

СХВАЛЕНО
Рішенням Вченої ради
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університету радіоелектроніки
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Голова Вченої ради

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РІЧНИЙ ЗВІТ ПРО ВИКОНАННЯ КРИТЕРІЇВ НАДАННЯ ТА ПІДТВЕРДЖЕННЯ СТАТУСУ НАЦІОНАЛЬНОГО

Повна назва національного закладу вищої освіти

Харківський національний університет радіоелектроніки

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Присвоєння статусу національного (дата та реквізити відповідного акту)

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Адреса офіційного веб-сайту національного закладу вищої освіти <http://nure.ua/>

Звітний період 2018 р.

I. Повідомлення про виконання обов'язкових критеріїв надання та підтвердження статусу національного закладу вищої освіти

Повідомляємо, що Харківський національний університет радіоелектроніки виконує обов'язкові критерії надання та підтвердження статусу національного закладу вищої освіти, якими є:

1) виконання Законів України «Про освіту» та «Про вищу освіту», Ліцензійних умов провадження освітньої діяльності закладів освіти: за звітний період порушень основних вимог Законів України «Про освіту» та «Про вищу освіту», Ліцензійних умов впровадження освітньої діяльності в університеті не було.

2) Позитивна оцінка (сертифікація) системи забезпечення закладом вищої освіти якості освітньої діяльності та якості вищої освіти (системи внутрішнього забезпечення якості) відповідно до вимог абзацу одинадцятого частини другої статті 16 Закону України «Про вищу освіту».

Позитивна оцінка (сертифікація) системи забезпечення закладом вищої освіти якості освітньої діяльності та якості вищої освіти (системи внутрішнього забезпечення якості) Харківського національного університету радіоелектроніки забезпечується створенням та подальшим удосконаленням Системи управління якістю (СУЯ ХНУРЕ), відповідно до вимог міжнародного стандарту ISO9901: 2015, який набрав чинності в Україні у липні 2016 р.

Харківський національний університет радіоелектроніки має Сертифікат (орган з сертифікації TUD SUD Management Service GmbH) який засвідчує, що ХНУРЕ у галузі Надання послуг вищої освіти з підготовки фахівців першого (бакалаврського), другого

(магістерського) та третього (наукового) рівня вищої освіти з науково-дослідної та методичної діяльності впроваджує та використовує систему менеджменту якості.

Система забезпечення якості регламентує діяльність усіх співробітників університету, які впливають на якість кінцевого результату та передбачає здійснення таких процедурних заходів:

- 1) визначення принципів та процедур забезпечення якості вищої освіти;
- 2) здійснення моніторингу та періодичного перегляду освітніх програм;
- 3) щорічне оцінювання здобувачів вищої освіти, науково-педагогічних і педагогічних працівників закладу вищої освіти та регулярне оприлюднення результатів таких оцінювань на офіційному веб-сайті закладу вищої освіти, на інформаційних стендах та в будь-який інший спосіб;
- 4) забезпечення підвищення кваліфікації педагогічних, наукових і науково-педагогічних працівників;
- 5) забезпечення наявності необхідних ресурсів для організації освітнього процесу, у тому числі самостійної роботи студентів, за кожною освітньою програмою;
- 6) забезпечення наявності інформаційних систем для ефективного управління освітнім процесом;
- 7) забезпечення публічності інформації про освітні програми, ступені вищої освіти та кваліфікації;
- 8) забезпечення ефективної системи запобігання та виявлення академічного плагіату у наукових працях працівників закладів вищої освіти і здобувачів вищої освіти;
- 9) інших процедур і заходів.

З метою перегляду принципів та процедур забезпечення якості освітньої діяльності та якості вищої освіти в університеті щорічно здійснюється необхідний моніторинг з подальшим регулярним оприлюдненням результатів.

Представники підприємств, що є потенційними роботодавцями, постійно приймають участь у процедурі формування та перегляду навчальних планів підготовки фахівців, у процедурах формування завдань на та захисту атестаційних робіт і курсових робіт (проектів). В Університеті процедура оновлення робочих програм навчальних дисциплін проводиться не рідше, ніж раз на 3 роки.

В Університеті запроваджено практику узгодження завдань на курсові роботи (проекти), що виконуються студентами першого (бакалаврського) та другого (магістерського) рівнів вищої освіти, та завдань на атестаційні роботи з представниками підприємств. Атестаційні роботи здобувачів ступеню бакалавр та магістр також виконуються за реальними завданнями, отриманими від підприємств.

Виконання державних вимог до акредитації освітніх програм підтверджуються відповідністю кадрового, нормативно-методичного, матеріально-технічного та інформаційного забезпечення ліцензійним умовам надання освітніх послуг у сфері вищої освіти, а також відповідністю якісних характеристик підготовки здобувачів державним вимогам. Постійно проводяться контрольні тестування студентів.

Контрольні підсумкові тестування проводить провідний лектор з використанням системи OpenTEST2 у спеціалізованих тестових класах у присутності персоналу Тестового центру або у комп'ютерних класах кафедр та інформаційно-обчислювального центру Університету у присутності представників навчального відділу ХНУРЕ або деканатів.

Рейтингове оцінювання здобувачів вищої освіти базується на щорічному аналізі основних показників з головних напрямів діяльності кафедр і факультетів Університету.

Для збору інформації, ведення первинної бази та розрахунку рейтингів у складі ІАС «Університет» створено підсистему «Рейтинг кафедр і факультетів». Центр інформаційних систем і технологій здійснює обробку інформаційних ресурсів, виконує розрахунок рейтингів згідно з вимогами та формулами розрахунку рейтингових індикаторів та передає їх до ректорату, Вченої ради університету, де проводиться їх аналіз. Результати рейтингу

оприлюднюються на сайті <http://cist.nure.ua> і є основою для прийняття відповідних рішень з метою координації діяльності усіх підрозділів університету.

Окрім того, проводиться моніторинг з метою оцінювання якості освітньої діяльності науково-педагогічних і педагогічних працівників університету за напрямом - якість проходження підвищення кваліфікації (стажування) науково-педагогічними і педагогічними працівниками університету. В Університеті проходження процедури підвищення кваліфікації та стажування регламентується Положенням про підвищення кваліфікації та стажування науково-педагогічних працівників у ХНУРЕ. Відповідальним за організацію процедури підвищення кваліфікації та стажування науково-педагогічних працівників є навчально-методичний відділ університету.

Проходження науково-педагогічними працівниками підвищення кваліфікації та стажування зорганізується відповідно до плану-графіку, що складається начальником навчально-методичного відділу строком на 3 роки та затверджується ректором. При цьому перелік підприємств для стажування формується за поданням кафедр та узгоджується з відділом практики «Центр-Кар'єра». Терміни проходження підвищення кваліфікації та стажування, позначені у плані-графіку, враховуються при складанні або коригуванні розкладу навчальних занять.

Для запобігання фактам порушення ліцензійних умов надання освітніх послуг внутрішня система забезпечення якості передбачає процедури самоконтролю кадрового, матеріально-технічного, навчально-методичного забезпечення освітнього процесу за спеціальностями.

Для ефективного управління освітнім процесом в Університеті використовується інформаційно-аналітична система «Університет» (ІАС «Університет»), розробку, впровадження та технічну підтримку якої здійснює Центр інформаційних систем та технологій. Функціонал ІАС «Університет» реалізовано згідно із Законом України «Про вищу освіту», наказами ректора, іншими нормативно-правовими документами.

Підсистема «Електронний журнал» є web-сервісом, що дозволяє здійснювати оперативний облік успішності студентів академічних груп університету протягом вивчення дисциплін поточного семестру. Основною метою функціонування підсистеми «Електронний журнал» є підвищення ефективності організації освітнього процесу.

Web-сервіс «Електронний журнал» інтегрований з підсистемами «Деканат» та «Відділ кадрів» ІАС «Університет». Доступ до Web-сервісу «Електронний журнал» <http://cist.nure.ua>.

«Електронний журнал» забезпечує автоматизацію обліку поточної успішності студентів викладачами Університету. Методику заповнення, правила ведення, методику оперативного аналізу показників поточної успішності студентів за навчальними дисциплінами, курсами, факультетами розробляє та затверджує навчальний відділ. З метою реалізації поточного моніторингу освітнього процесу кураторами академічних груп, завідуючими кафедрами, деканами факультетів та батьками студентів web-сервіс «Електронний журнал» забезпечено функціоналом пошуку та перегляду результатів навчання окремих студентів та академічних груп.

В Університеті забезпечена ефективна система запобігання та виявлення академічного плагіату при реалізації освітнього процесу підготовки бакалаврів та магістрів. Перевірку наукових та науково-методичних праць на плагіат здійснює рецензент праці. Результати перевірки відображаються у рецензії та розглядаються на Науково-методичній раді Університету.

3) Відсутність виявлених раніше порушень Ліцензійних умов впровадження освітньої діяльності закладів освіти.

За період з 01.01.2018 по 30.12.2018 року Харківським національним університетом радіоелектроніки була проведена акредитація 7 освітньо-професійних (освітньо-наукових програм) за другим (магістерським) рівнем вищої освіти.

Експертними комісіями МОНУ не було виявлено порушень Ліцензійних умов

впровадження освітньої діяльності (Протоколи № 130 від 12.06.2018, № 131 від 10.07.2018).

4) Наявність єдиного інформаційного середовища закладу вищої освіти, в якому забезпечується автоматизація основних процесів діяльності – Інформаційне середовище Харківського національного університету радіоелектроніки об'єднує інформаційні, кадрові, матеріально-технічні ресурси, забезпечує автоматизацію освітніх і управлінських процесів з метою підвищення якості надання освітніх послуг.

В університеті впроваджено інформаційно-аналітичну систему «Університет», яка є продуктом власної розробки. ІАС «Університет» розроблено на основі системи управління базами даних Oracle.

До складу ІАС «Університет» входять декілька підсистем, які, в свою чергу, складаються з програмних модулів:

– Підсистема «Відділ кадрів» складається з модулів:

- a) Модуль «Відділ кадрів науково-педагогічного персоналу». Програмний модуль передбачає облік науково-педагогічного персоналу, формування наказів, розрахунок стажу, формування статистичних звітів, штатного розкладу та ін.
- b) Модуль «Відділ кадрів учбово-допоміжного та адміністративно-господарського персоналу». Програмний модуль передбачає облік кадрових даних для відповідних категорій працівників, розрахунок стажу, формування статистичних звітів, штатного розкладу та ін.
- c) Модуль «Відділ кадрів наукових працівників». Програмний модуль передбачає облік кадрових даних для відповідних категорій працівників, розрахунок стажу, формування статистичних звітів, штатного розкладу та ін.

– Підсистема «Деканат» складається з модулів:

- a) Модуль «Відділ кадрів студентів». Програмний модуль передбачає облік контингенту студентів, формування наказів та відповідних витягів з наказів.
- b) Модуль «Деканат. Desktop». Використовується для формування первинного контингенту, ведення кондуїту, а саме – облік успішності студентів, формування відомостей успішності академічної групи та ін.
- c) Модуль «Деканат. Web» передбачає можливість формування стипендіальних реєстрів, розрахунок стипендіального рейтингу, формування академічних довідок, індивідуальних навчальних планів, додатків до дипломів, формування статистичних та аналітичних звітів та ін.
- d) Модуль «Навчальний план» використовується для формування графіків навчального процесу, формування навчальних планів для різних рівнів підготовки здобувачів вищої освіти, формування виписок з навчального плану, формування персонального складу навчальних груп для реалізації права студентів на вибіркові освітні компоненти. Формування навчального плану є основою для автоматичного формування кондуїту на відповідний семестр у модулі «Деканат. Desktop».
- e) Модуль «Електронний журнал». Призначений для визначення ступеню готовності студентів денної форми навчання до екзаменаційної сесії з кожної навчальної дисципліни станом на певну дату, яка збігається з датами контрольних точок, зазначених у графіках навчального процесу.

– Підсистема «Кафедра»:

Модуль «Навчальне навантаження». Програмний модуль реалізує функції розподілу навчального навантаження викладачів кафедри за відповідними видами занять, формування штатного розпису кафедри, формування звітів викладача, кафедри, формування відомості-доручення до розкладу занять та ін.

– Підсистема:

«Розклад

занять»:

- a) Модуль «Розклад занять. Desktop». Використовується для автоматизації роботи навчального відділу для вирішення задачі формування розкладу занять на семестр. Модуль дозволяє формувати звіт вести облік аудиторного фонду університету, формувати відповідні статистичні звіти та ін.
- b) Модуль «Розклад занять. Web». Використовується для перегляду розкладу занять для академічних груп, потоків академічних груп, викладачів, кафедри. Модуль передбачає можливість порівняння розкладів груп та викладачів.

Автоматизація управління фінансово-господарською діяльністю здійснюється за допомогою таких інформаційних систем:

- a) «Інтернет Клієнт-Банк» (Веб-технологія) для Приват-банк, ОщадБанк, Альфа Банк;
- b) Web-портал «Є-Звітність» (веб-технологія) – система подання електронної звітності клієнтами ДКСУ;
- c) Програма «CMSKeyManager» для генерації пари ключів та «CMSClientNG» для підписування та шифрування файлів (накладання ЕЦП) для ДКСУ;
- d) Web-портал «ІАСУ ФР МОНУ» (веб-технологія) – система управління фінансовими ресурсами МОНУ (щомісячні та щоквартальні звіти бухгалтерії та інших підрозділів університету);
- e) «VtGod» (локальна DOS-версія) – система управління фінансовими ресурсами МОНУ (щоквартальні звіти бухгалтерії);
- f) «M.E.Doc» (мережева версія) – система формування та подання до органів державної податкової служби засобами телекомунікаційного зв'язку податкової звітності та інших документів;
- g) Web-портал «ЛІГА:ЗАКОН ЕЛІТ» нормативна база для бухгалтерів, економістів, юристів, кадровиків;
- h) ПЗ «Автоматизована система звітності бюджетних установ» або «Форма-7» – автоматизована система звітності бюджетних установ (форма 7, 7.1);
- і) СДО «Клієнт Казначейство»;
- ж) «МЕРЕЖА-М» або «Фіндокументи» (PayMents, локальна версія 1.3.5.52), розробник ДКУ (облік кошторисів, розпоряджень, розподілів, зобов'язань та платіжних доручень) – формування на електронних та паперових носіях зведених кошторисів, розпоряджень, розподілів, зобов'язань і платіжних доручень по Державному та місцевих бюджетах.
- к) ІОС ДКСУ «Мережа установ, підприємств та організацій, які отримують кошти з Державного бюджету України» (локальна версія 9.02) – Інформація про мережу підприємств та організацій, які одержують кошти з Державного бюджету України».

5) Розміщення на офіційному веб-сайті закладу вищої освіти обов'язкової інформації, передбаченої законодавством – Уся інформація, передбачена законодавством розміщена на офіційному сайті <http://nure.ua/>

Таблиця 1. Оприлюднення інформації на офіційному веб-сайті закладу вищої освіти

Назва документа або вид інформації	Нормативний акт, який передбачає оприлюднення документа або інформації	Посилання на документ або інформацію на офіційному веб-сайті закладу вищої освіти
Статут (інші установчі документи)	ч. 3 ст. 79 Закону України «Про вищу освіту», ч. 2	http://nure.ua/wp-content/uploads/Main_Docs_NURE/statut.pdf

	ст. 30 Закону України «Про освіту»	
Документи закладу вищої освіти, якими регулюється порядок здійснення освітнього процесу	ч. 3 ст. 79 Закону України «Про вищу освіту»	http://nure.ua/universytet/normativno-pravova-baza#id13
Інформація про структуру та склад керівних органів	ч. 3 ст. 79 Закону України «Про вищу освіту», ч. 2 ст. 30 Закону України «Про освіту»	http://nure.ua/universytet/struktura http://nure.ua/people/kerivnitstvo-universitetu
Кошторис закладу вищої освіти та всі зміни до нього	ч. 4 ст. 79 Закону України «Про вищу освіту»	http://nure.ua/bjudzhetni-koshti-za-2018-rik http://nure.ua/bjudzhetni-koshti-za-2019-rik
Звіт про використання та надходження коштів	ч. 4 ст. 79 Закону України «Про вищу освіту»	http://nure.ua/wp-content/uploads/Main_Docs_NURE/zvit-pro-nadkhodzhennia-i-vykorystannia-koshtiv-zahalnoho-fondu.pdf http://nure.ua/wp-content/uploads/Main_Docs_NURE/zvit-pro-nadkhodzhennia-i-vykorystannia-koshtiv-otrymanykh-za-inshymy-dzherelamy-vlasnykh-nadkhodzen.pdf http://nure.ua/wp-content/uploads/Main_Docs_NURE/zvit-pro-nadkhodzhennia-i-vykorystannia-koshtiv-otrymanykh-iaak-plata-za-posluhy.pdf
Інформацію щодо проведення тендерних процедур	ч. 4 ст. 79 Закону України «Про вищу освіту»	http://nure.ua/branch/vzmt-ta-kt/derzhavni-zakupivli-2018
Штатний розпис	ч. 4 ст. 79 Закону України «Про вищу освіту»	http://nure.ua/wp-content/uploads/Main_Docs_NURE/shtatniy_rozpis_2018.pdf http://nure.ua/wp-content/uploads/Main_Docs_NURE/shtatnyj-rozpys-2019.pdf
Ліцензія на провадження освітньої діяльності	ч. 2 ст. 30 Закону України «Про освіту»	http://nure.ua/wp-content/uploads/Main_Docs_NURE/2018-06-21_lizenzia_xarkiv-naczion-univ-radioelektr.pdf
Сертифікати про акредитацію освітніх програм, сертифікат про інституційну акредитацію (за наявності)	ч. 2 ст. 30 Закону України «Про освіту»	http://nure.ua/branch/viddil-litsenzuvannya-akreditatsiyi-ta-vnutrishnoyi-sistemi-zabezpechennya-yakosti-osviti/akreditacija
Освітні програми, що реалізуються в закладі освіти, та	ч. 2 ст. 30 Закону України «Про освіту», п. 2	http://nure.ua/abituriyentam/spetsialnosti-ta-spetsializatsiyi

перелік освітніх компонентів, що передбачені відповідною освітньою програмою	наказу МОН України від 30 жовтня 2017 р. № 1432, зареєстрованого у Міністерстві юстиції України 21 листопада 2017 р. за № 1423/31291.	http://nure.ua/branch/viddil-aspiranturi-ta-doktoranturi/specialnosti-ta-osvitno-naukovi-programi
Ліцензований обсяг та фактична кількість осіб, які навчаються у закладі освіти	ч. 2 ст. 30 Закону України «Про освіту»	http://nure.ua/wp-content/uploads/Main_Docs_NURE/khnure_2-3nk_denna.pdf http://nure.ua/wp-content/uploads/Main_Docs_NURE/khnure_2-3nk_zaochna.pdf http://nure.ua/abituriyentam/litsenziyni-obsyagi
Мова (мови) освітнього процесу	ч. 2 ст. 30 Закону України «Про освіту»	http://nure.ua/wp-content/uploads/Main_Docs_NURE/Polozhennya-pro-organizatsiyu-osvitnogo-protsesu-v-HNURE.pdf п.1.7 державна мова, англійська мова, інші офіційні мови Європейського Союзу
Наявність вакантних посад, порядок і умови проведення конкурсу на їх заміщення (у разі його проведення)	ч. 2 ст. 30 Закону України «Про освіту»	http://nure.ua/wp-content/uploads/Main_Docs_NURE/porjadok-provedennja-konkursnogo-vidboru-npp-zi-zminami-26.04.2018.pdf http://nure.ua/wp-content/uploads/Main_Docs_NURE/polozhennia-pro-konkursnu-komisiuu-zi-zminamy-364-nakaz.pdf
Матеріально-технічне забезпечення закладу освіти (згідно з ліцензійними умовами)	ч. 2 ст. 30 Закону України «Про освіту»	http://nure.ua/branch/viddil-litsenzuvannya-akreditatsiyi-ta-vnutrishnoyi-sistemi-zabezpechennya-yakosti-osviti
Напрями наукової та/або мистецької діяльності (для закладів вищої освіти)	ч. 2 ст. 30 Закону України «Про освіту»	http://nure.ua/wp-content/uploads/Main_Docs_NURE/napriamy-naukovo-diialnosti.pdf
Наявність гуртожитків та вільних місць у них, розмір плати за проживання	ч. 2 ст. 30 Закону України «Про освіту»	http://nure.ua/wp-content/uploads/2018/08/Main_Docs_NURE/polojennya_pro_studentskyu_gurtojitok_nure.pdf http://nure.ua/wp-content/uploads/2018/08/nakaz_70_vid_12.02.2018-2.jpg http://nure.ua/branch/studmitechko
Результати моніторингу якості освіти	ч. 2 ст. 30 Закону України «Про освіту»	http://nure.ua/wp-content/uploads/Main_Docs_NURE/materialy-do-zvitu-2018.pdf http://nure.ua/branch/viddil-litsenzuvannya-

		akreditatsiyi-ta-vnutrishnoyi-sistemi-zabezpechennya-yakosti-osviti/informacijni-povidomlennja/visnovki-ekspertnoi-komisii http://cist.nure.ua/ias/app/tt/f?p=778:600:2715543909394275::NO
Річний звіт про діяльність закладу освіти	ч. 2 ст. 30 Закону України «Про освіту»	http://nure.ua/zvitnist-hnure-za-2018-rik
Правила прийому до закладу освіти у відповідному році	ч. 2 ст. 30 Закону України «Про освіту»	http://nure.ua/abituriyentam/pravila-prijomu-2019
Умови доступності закладу освіти для навчання осіб з особливими освітніми потребами	ч. 2 ст. 30 Закону України «Про освіту»	http://nure.ua/branch/specialnij-navchalno-reabilitacijnij-viddil-suprovodu-studentiv-z-osoblivimi-osvitnimi-potrebami
Розмір плати за навчання, підготовку, перепідготовку, підвищення кваліфікації здобувачів освіти	ч. 2 ст. 30 Закону України «Про освіту»	http://nure.ua/abituriyentam/litsenziyni-obsyagi http://nure.ua/wp-content/uploads/2019/Admission_Board/dodatok_01.pdf
Перелік додаткових освітніх та інших послуг, їх вартість, порядок надання та оплати	ч. 2 ст. 30 Закону України «Про освіту»	http://nure.ua/wp-content/uploads/Main_Docs_NURE/perelik-platnykh-posluh.pdf http://nure.ua/wp-content/uploads/2019/Admission_Board/dodatok_01.pdf http://nure.ua/wp-content/uploads/Main_Docs_NURE/umovy-navchannia-na-pv-001.jpg http://nure.ua/wp-content/uploads/Main_Docs_NURE/poriadok-nadannia-dod.-osv.-posluh-tspo.jpg

II. Звіт про значення показників порівняльних критеріїв надання та підтвердження статусу національного закладу вищої освіти

Таблиця 2. Здобувачі вищої освіти

Ступінь (ОКР)	Код та спеціальність	Кількість	Проходили стажування в іноземних ЗВО	Здобули призові місця	Іноземних громадян	Громадян з країн членів ОЕСР	
бакалавр	051 Економіка	91	1	2	69,67	5,33	
	113 Прикладна математика	52		2			
	121 Інженерія програмного	827	8	24	3		
	122 Комп'ютерні науки	1108	5	22	2,33	0,33	
	123 Комп'ютерна інженерія	922	4	13	151,33	15,67	
	124 Системний аналіз	47			2		
	125 Кібербезпека	456	1	7	21	0,67	
	126 Інформаційні системи та	53	2	1			
	151 Автоматизація та комп'ютерно-інтегровані технології	514	53	17	9,67	1	
	152 Метрологія та інформаційно-вимірювальна техніка	82		6	4		
	153 Мікро- та наносистемна техніка	53		1			
	163 Біомедична інженерія	335	1	4	177,33	3	
	171 Електроніка	154			1		
	172 Телекомунікації та радіотехніка	680	25	17	82	1	
	173 Авіоніка	16		1			
	186 Видавництво та поліграфія	192		7	0,33		
	магістр	051 Економіка	27			17,33	
		073 Менеджмент	31		2	0,33	
		113 Прикладна математика	31		1	0,33	
		121 Інженерія програмного	208	2	1	0,33	
122 Комп'ютерні науки		356	1	2	1,67		
123 Комп'ютерна інженерія		231		2	18,67	1	
124 Системний аналіз		38		1			
125 Кібербезпека		211			12		
151 Автоматизація та комп'ютерно-інтегровані технології		195		4	3,33		
152 Метрологія та інформаційно-вимірювальна техніка		66			1		
153 Мікро- та наносистемна техніка		30					
163 Біомедична інженерія		50		5	11,67		
171 Електроніка		66		1	0,67		
172 Телекомунікації та радіотехніка	323		5	19,67			
186 Видавництво та поліграфія	47		3				
доктор філ.	051 Економіка	4					
	105 Прикладна фізика та	7			0,3		
	113 Прикладна математика	3			0,3		

	121 Інженерія програмного	8				
	122 Комп'ютерні науки	27			0,3	
	123 Комп'ютерна інженерія	7			0,3	
	124 Системний аналіз	3				
	125 Кібербезпека	13			0,7	
	126 Інформаційні системи та	4				
	151 Автоматизація та комп'ютерно-інтегровані технології	4				
	152 Метрологія та інформаційно-вимірвальна техніка	3				
	163 Біомедична інженерія	8			0,7	
	171 Електроніка	7				
	172 Телекомунікації та радіотехніка	18			2,3	
	01.04.01-Фізика приладів, елементів та систем				0,7	
	01.04.04 Фізична електроніка	1				
	01.05.02 Математичне моделювання та обчислювальні методи	1			0,3	
	05.01.02-Стандартизація., сертифікація, метрологічне				0,3	
	05.11.17 Біологічні та медичні прилади та системи				1,3	
	05.12.02 Телекомунікаційні системи та мережі	1			1,7	
	05.12.17 Радіотехнічні та телевізійні системи	2				
	05.13.03 Системи та процеси	2				
	05.13.05 Комп'ютерні системи та компоненти	1			0,7	
	05.13.06-Інформаційні технології				0,3	
	05.13.12 Системи автоматизації проектування	2				
	05.13.23 Системи та засоби штучного інтелекту	1				
	08.00.11 Математичні методи, моделі та інформаційні технології в	1			0,3	
доктор наук	105 Прикладна фізика та наноматеріали	1				
	113 Прикладна математика	1				
	122 Комп'ютерні науки	2				
	151 Автоматизація та комп'ютерно-інтегровані технології	1				
	172 Телекомунікації та радіотехніка	3				
	Разом	7628	103	151	621,37	28
		П1	П2	П3	П4	П5

Таблиця 3. Наукові, науково-педагогічні працівники

Факультет	Кафедра, відділ тощо	Кількість	Проходили стажування в іноземних ЗВО	Здійснивали наук. керівн. (консульт.) не менше 5здобув. які захист. в Україні	Науково-педагогічні працівники, наук. ступінь та/або вчене звання	Науково-педагогічні працівники, докт. наук та/або професори
Факультет автоматичної комп'ютеризованих технологій	Кафедра комп'ютерно-інтегрованих технологій, автоматизації та мехатроніки	33		1	24	8
	Кафедра охорони праці	6			4	
	Кафедра проектування та експлуатації електронних апаратів	11	1		9	2
	Кафедра фізики	11		1	8	2
Факультет електронної та біомедичної інженерії	Кафедра біомедичної інженерії	29	1	2	20	4
	Кафедра мікроелектроніки і електронних приладів та пристроїв	16		1	9	4
	Кафедра фізичного виховання та спорту	24			4	
	Кафедра фізичних основ електронної техніки	14		3	9	3
Факультет інфокомунікацій	Кафедра інфокомунікаційної інженерії	39		2	32	10
	Кафедра інформаційно-мережної інженерії	26		2	20	3
	Кафедра метрології та технічної експертизи	13		3	13	3
Факультет інформаційних радіотехнологій і технічного захисту інформації	Кафедра іноземних мов	30			4	
	Кафедра комп'ютерної радіоінженерії та систем технічного захисту інформації	29		3	24	4
	Кафедра медіаінженерії та інформаційних радіоелектронних систем	12		1	10	2
	Кафедра мікропроцесорних технологій і систем	6		1	5	1
	Кафедра радіотехнологій інформаційно-комунікаційних систем	7	3		3	1
Факультет інформаційно-аналітичних технологій	Кафедра вищої математики	12	2	1	9	2
	Кафедра економічної кібернетики та управління економічною безпекою	29	3	2	21	3
	Кафедра інформатики	21	1	3	18	5

та менеджменту	Кафедра прикладної математики	16		2	13	2
	Кафедра соціальної інформатики	5			3	1
Факультет комп'ютерних наук	Кафедра інформаційних управляючих систем	16		1	9	3
	Кафедра медіасистем та технологій	18		1	14	1
	Кафедра програмної інженерії	52	4	4	37	6
	Кафедра системотехніки	26			19	3
	Кафедра штучного інтелекту	18	1	4	14	5
Факультет комп'ютерної інженерії та управління	Кафедра автоматизації проектування обчислювальної техніки	17	2	2	13	5
	Кафедра безпеки інформаційних технологій	12			8	2
	Кафедра електронних обчислювальних машин	39	4	5	26	6
	Кафедра філософії	17	1	1	13	2
Факультет навчання іноземних громадян	Кафедра мовної підготовки	22			8	
	Кафедра природознавчих наук	11			4	1
	Кафедра українознавства	8			6	
Відділи	Відділ аспірантури та докторантури	1			1	
	Наукова бібліотека	1				
	Науково дослідний центр інтегрованих інформаційних радіоелектронних систем та технологій	21			12	2
	Науково-дослідна лабораторія радіоастрономії	1				
	Науково-дослідна частина	1			1	
	Проректор з наукової роботи	1			1	
	Проблемна науково-дослідна лабораторія автоматизованих систем управління	4		1	4	2
	Разом	675	23	47	452	98
		П6	П7	П8	П9	П10

Таблиця 4. Наукометричні показники*

Факультет (Інститут)	Кафедра, відділ тощо	ПІБ наукового, науково-педагогічного працівника	ID Scopus (за наявності)	Індекс Гірша Scopus	ID Web of Science	Індекс Гірша Web of Science
	Разом:		див. Додаток 1	496	див. Додаток 1	225
				П12		П13

* - Таблиця 4 див. Додаток 1.

Таблиця 5. Наукові, науково-педагогічні працівники, які мають не менше п'яти наукових публікацій у періодичних виданнях, які на час публікації було включено до наукометричних баз Scopus або Web of Science**

Факультет (Інститут)	Кафедра, відділ тощо	ПБ наукового, науково-педагогічного працівника	Кількість публікацій Scopus	Назва та реквізити публікацій Scopus (прирівняні відзнаки)	Кількість публікацій Web of Science	Назва та реквізити публікацій Web of Science (прирівняні відзнаки)
	Разом:	174		див. Додаток 2		див. Додаток 2
		П14				

** - Таблиця 5 див. Додаток 2.

Таблиця 6. Наукові журнали та об'єкти інтелектуальної власності

		Назви, реквізити (коди)
Кількість наукових журналів, які входять з ненульовим коефіцієнтом впливовості до наукометричних баз (Index Copernicus)	2 П17	Радіоелектроніка та інформатика ISSN 1563-0064 ICV 2017: 82.32 Сучасний стан наукових досліджень та технологій в промисловості ISSN 2522-9818, 2524-2296 ICV 2017: 77.99
Кількість спеціальностей	18 П18	<i>Перший (бакалаврський) рівень вищої освіти - 16 спеціальностей</i> <i>Другий (магістерський) рівень вищої освіти - 15 спеціальностей</i> <i>Третій (освітньо-науковий) рівень вищої освіти - 14 спеціальностей"</i> 1. 051 Економіка (бакалавр, магістр, Phd) 2. 073 Менеджмент (магістр) 3. 105 Прикладна фізика та наноматеріали (Phd) 4. 113 Прикладна математика (бакалавр, магістр, Phd) 5. 121 Інженерія програмного забезпечення (бакалавр, магістр, Phd) 6. 122 Комп'ютерні науки (бакалавр, магістр, Phd) 7. 123 Комп'ютерна інженерія (бакалавр, магістр, Phd) 8. 124 Системний аналіз (бакалавр, магістр, Phd) 9. 125 Кібербезпека (бакалавр, магістр, Phd) 10. 126 Інформаційні системи та технології (бакалавр, Phd) 11. 151 Автоматизація та комп'ютерно-інтегровані технології (бакалавр, магістр, Phd) 12. 152 Метрологія та інформаційно-вимірювальна техніка (бакалавр, магістр, Phd) 13. 153 Мікро- та нано-системна техніка (бакалавр, магістр) 14. 163 Біомедична інженерія (бакалавр, магістр, Phd) 15. 171 Електроніка (бакалавр, магістр, Phd) 16. 172 Телекомунікації та радіотехніка (бакалавр, магістр, Phd) 17. 173 Авіоніка (бакалавр) 18. 186 Видавництво та поліграфія (бакалавр, магістр)

Кількість об'єктів права інтелектуальної власності, що зареєстровані закладом вищої освіти та/або зареєстровані (створені) його науково педагогічними та науковими працівниками	28 П19	Станом на 31.12.2018р. ХНУРЕ є власником 39 чинних охоронних документів на об'єкти права інтелектуальної власності, з яких : патентів на винаходи -18, патентів на корисні моделі -14, свідоцтв про реєстрацію авторського права на твір (комп'ютерні програми) – 6, та свідоцтв про реєстрацію знаків для товарів і послуг – 3. За 2018 рік університетом зареєстровано 28 охоронних документів, з яких патентів на винаходи - 9, патентів на корисні моделі -12, свідоцтв про реєстрацію авторського права на твір (комп'ютерні програми) – 6, свідоцтво на знак для товарів і послуг -1.
		1.Патент на винахід № 115993 «Спосіб сумарно-різницевого підсилення вхідних напруг та пристрій для його реалізації (варіанти)»
		2.Патент на винахід № 116491 «Спосіб аналізу стану біологічних та технічних об'єктів на основі явища поляризації діелектриків»
		3.Патент на винахід № 117304 «Ультра мікроелектрод і спосіб його виготовлення»
		4.Патент на винахід № 117323 «Спосіб визначення ризику програмування бронхіальної астми у пацієнтів з бронхіальною астмою і цукровим діабетом»
		5.Патент на винахід № 117425 «Спосіб діагностики ронхопатії»
		6.Патент на винахід № 117773 «Спосіб приготування змішаного палива»
		7.Патент на винахід № 117868 «Спосіб діагностики функціональних порушень носового
		8.Патент на винахід № 118125 «Спосіб планування функціональних ринохірургічних
		9.Патент на винахід № 118314 «Спосіб визначення ризику прогресування бронхіальної астми у пацієнтів з бронхіальною астмою і ожирінням»
		10.Патент на корисну модель № 122687 «Спосіб виготовлення узгоджуючої секції оптичних волокон»
		11.Патент на корисну модель № 123485 «Цифровий портативний пристрій вимірювання кольору»
		12.Патент на корисну модель № 123529 «Цифровий пристрій вимірювання проникності оптичних
		13.Патент на корисну модель № 125847 «Система інтелектуального управління процесом розподілу ресурсів в хмарних обчислювальних середовищах»
		14.Патент на корисну модель № 126689 «Удосконалений радіоелектронний пристрій для тренувань біатлоністів»
		15.Патент на корисну модель № 126694 «Радіоелектронний пристрій для тренувань у стендовій стрільбі»
		16.Патент на корисну модель № 126877 «Пристрій для підвищення рівномірності нагрівання в мікрохвильовий печі»

		17. Патент на корисну модель № 127412 «Енергоефективний спосіб позиціонування вузлів у бездротових сенсорних
		18. Патент на корисну модель № 128686 «Спосіб надання тимчасового доступу до Інтернету у закладах громадського харчування»
		19. Патент на корисну модель № 130571 «Катодний вузол оберненого магнетрона»
		20. Патент на корисну модель № 130831 «Спосіб прогнозування ризику розвитку бронхоектазів у дітей, хворих на муковісцидоз»
		21. Патент на корисну модель № 130812 «Цифровий пристрій вимірювання товщини захісних покриттів»
		22. Свідоцтво про реєстрацію авторського права на твір № 77910. Комп'ютерна програма «Імітаційно-математична модель дослідження ефективності алгоритмів розпізнавання джерел радіовипромінювання методом статистичних випробувань ("Розпізнавання - 1.0")»
		23. Свідоцтво про реєстрацію авторського права на твір № 80304. Комп'ютерна програма «Автоматизація обліку технологічних операцій»
		24. Свідоцтво про реєстрацію авторського права на твір № 80305. Комп'ютерна програма «Автоматизація обліку співробітників на виробництві»
		25. Свідоцтво про реєстрацію авторського права на твір № 80306. Комп'ютерна програма «Автоматизація комп'ютерного зору та обробки відеопотоку для мобільних роботів»
		26. Свідоцтво про реєстрацію авторського права на твір № 80307. Комп'ютерна програма «Програмний засіб автоматизованого розрахунку вартості виготовлення металоконструкцій»
		27. Свідоцтво про реєстрацію авторського права на твір № 80308. Комп'ютерна програма «Програмний засіб для автоматизації позиціонування складнопрофільних оптичних волокон за максимальним діаметром модового поля (APSCOS)»
		28. Свідоцтво на знак для товарів і послуг № 242023.
Кількість об'єктів права інтелектуальної власності, які комерціалізовано зовні або його НПП	0 П20	

Таблиця 8. Значення порівняльних показників

1а	Кількість здобувачів вищої освіти денної форми навчання на одного науково-педагогічного працівника, який працює у закладі вищої освіти за основним місцем роботи станом на 31 грудня останнього року звітного періоду і має науковий ступінь доктора наук та/або вчене звання професора	П1/П10 7628/98=77,84
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16	Кількість здобувачів вищої освіти денної форми навчання на одного науково-педагогічного працівника, який працює у закладі вищої освіти за основним місцем роботи станом на 31 грудня останнього року звітного періоду і має науковий ступінь та/або вчене звання	П1/П9 $7628/452=16,88$
2	Питома вага здобувачів вищої освіти, які під час складання єдиного державного кваліфікаційного іспиту продемонстрували результати в межах 25 відсотків кращих серед учасників відповідного іспиту протягом звітного періоду, але не більше трьох останніх років (стосується здобувачів вищої освіти, для яких передбачається складання єдиного державного кваліфікаційного іспиту)	-
3	Кількість здобувачів вищої освіти денної форми навчання, які не менше трьох місяців протягом звітного періоду або із завершенням у звітному періоді навчалися (стажувалися) в іноземних закладах вищої освіти (наукових установах) за межами України, приведена до 100 здобувачів вищої освіти денної форми навчання	П2*100/П1 $103*100/7628=1,35$
4	Кількість науково-педагогічних і наукових працівників, які не менше трьох місяців протягом звітного періоду або із завершенням у звітному періоді стажувалися, проводили навчальні заняття в іноземних закладах вищої освіти (наукових установах) (для закладів вищої освіти та наукових установ культурологічного та мистецького спрямування - проводили навчальні заняття або брали участь (у тому числі як члени журі) у культурно-мистецьких проектах) за межами України, приведена до 100 науково- педагогічних і наукових працівників, які працюють у закладі вищої освіти за основним місцем роботи станом на 31 грудня останнього року звітного періоду	П7*100/П6 $23*100/675=3,41$
5	Кількість здобувачів вищої освіти, які здобули у звітному періоді призові місця на Міжнародних студентських олімпіадах, II етапі Всеукраїнської студентської олімпіади, II етапі Всеукраїнського конкурсу студентських наукових робіт, інших освітньо-наукових конкурсах, які проводяться або визнані МОН, міжнародних та всеукраїнських культурно-мистецьких проектах, які проводяться або визнані Мінкультури, на Олімпійських, Паралімпійських, Дефлімпійських іграх, Всесвітній та Всеукраїнській універсіадах, чемпіонатах світу, Європи, Європейських іграх, етапах Кубків світу та Європи, чемпіонату України з видів спорту, які проводяться або визнані центральним органом виконавчої влади, що забезпечує формування державної політики у сфері фізичної культури та спорту, приведена до 100 здобувачів вищої освіти денної форми навчання	П3*100/П1 $151*100/7628=1,98$
6	Середньорічна кількість іноземних громадян серед здобувачів вищої освіти у закладі вищої освіти, які навчаються за кошти фізичних або юридичних осіб, за денною формою навчання за останні три роки (крім вищих військових навчальних закладів (закладів вищої освіти із специфічними умовами навчання), військових навчальних підрозділів закладів вищої освіти)	П4 $621,37$
7	Середньорічна кількість громадян країн - членів Організації економічного співробітництва та розвитку - серед здобувачів вищої освіти у закладі вищої освіти, які навчаються за кошти фізичних або юридичних осіб, за денною формою навчання за останні три роки (крім вищих військових навчальних закладів (закладів вищої освіти із специфічними умовами навчання), військових навчальних підрозділів закладів вищої освіти)	П5 28
8	Середнє значення показників індексів Гірша науково-педагогічних та наукових працівників (які працюють у закладі вищої освіти за основним місцем роботи станом на 31 грудня останнього року звітного періоду) у наукометричних базах Scopus, Web of Science, інших наукометричних базах, визнаних МОН, приведене до кількості науково-педагогічних і наукових працівників цього закладу	(П12+П13)/П6 $(496+225)/675=1,07$

9	Кількість науково-педагогічних та наукових працівників, які мають не менше п'яти наукових публікацій у періодичних виданнях, які на час публікації було включено до наукометричної бази Scopus або Web of Science, інших наукометричних баз, визнаних МОН, приведена до 100 науково-педагогічних і наукових працівників, які працюють у закладі вищої освіти за основним місцем роботи станом на 31 грудня останнього року звітного періоду	П14*100/П6 $174*100/675=25,78$
10	Кількість наукових журналів, які входять з ненульовим коефіцієнтом впливовості до наукометричних баз Scopus, Web of Science, інших наукометричних баз, визнаних МОН, що видаються закладом вищої освіти, приведена до кількості спеціальностей, з яких здійснюється підготовка здобувачів вищої освіти у закладі вищої освіти станом на 31 грудня останнього року звітного періоду	П17/П18 $2/18=0,11$
11	Кількість науково-педагогічних та наукових працівників, які здійснювали наукове керівництво (консультування) не менше п'ятох здобувачів наукових ступенів, які захистилися в Україні, приведена до 100 науково-педагогічних і наукових працівників, які працюють у закладі вищої освіти за основним місцем роботи станом на 31 грудня останнього року звітного періоду	П8*100/П6 $47*100/675=6,96$
12	Кількість об'єктів права інтелектуальної власності, що зареєстровані закладом вищої освіти та/або зареєстровані (створені) його науково-педагогічними та науковими працівниками, що працюють у ньому на постійній основі за звітний період, приведена до 100 науково-педагогічних і наукових працівників, які працюють у закладі вищої освіти за основним місцем роботи станом на 31 грудня останнього року звітного періоду	П19*100/П6 $28*100/675=4,15$
13	Кількість об'єктів права інтелектуальної власності, які комерціалізовано закладом вищої освіти та/або його науково-педагогічними та науковими працівниками, які працюють у ньому на постійній основі у звітному періоді, приведена до 100 науково-педагогічних і наукових працівників, які працюють у закладі вищої освіти за основним місцем роботи станом на 31 грудня останнього року звітного періоду	П20*100/П6 0

3.Інформація про досягнення закладу вищої освіти за преміальними критеріями надання та підтвердження статусу національного закладу вищої освіти

Інформуємо про досягнення закладу вищої освіти за преміальними критеріями надання та підтвердження статусу національного закладу вищої освіти за номінаціями:

1) місце закладу вищої освіти в міжнародних та незалежних рейтингах:

Назва рейтингу	Місце серед українських ЗВО
Webometrics http://www.webometrics.info/en/Europe/Ukraine%20	16
Transparent Ranking: Top Universities by Google Scholar Citations http://www.webometrics.info/en/transparent	27
uniRank https://www.4icu.org/ua/	19
U-Multirank https://www.umultirank.org/compare?trackType=compare&sightMode=undefined&section=compareRegion&mode=likewithlike&instutionalField=true&pref-4=1&pref-4=2&pref-4=3&country=56&country=78&count&name=null	12
Times Higher Education University Impact Ranking	301+

https://www.timeshighereducation.com/world-university-rankings/kharkiv-national-university-radio-electronics	
Nature Index https://www.natureindex.com/annual-tables/2018/institution/academic/all/countries-Ukraine	8
SCImago IR https://www.scimagoir.com/rankings.php?sector=Higher%20educ.&country=UKR&year=2012	9
Консолідований рейтинг ЗВО України http://ru.osvita.ua/vnz/rating/51741/	20
Рейтинг ЗВО України «ТОП-200 Україна» http://www.euroosvita.net/index.php/?category=1&id=5647	23
Рейтинг ЗВО України за показниками БД Scopus http://www.euroosvita.net/index.php/?category=1&id=5930	24
Рейтинг вишів DOU 2018 https://dou.ua/lenta/articles/ukrainian-universities-2018/?from=doufp	3

2) наявність іноземних та міжнародних акредитацій – немає;

3) кількість науково-педагогічних та наукових працівників, яким протягом останніх 10 років було присвоєно почесні звання України – 45;

№	ПІБ	Почесне звання (державна нагорода)	Рік присвоєння (нагородження)
1.	Семенець Валерій Васильович	Лауреат Державної премії України	2008
2.	Білоус Наталія Валентинівна	Лауреат Державної премії України	2008
3.	Бондаренко Михайло Федорович	Лауреат Державної премії України	2008
4.	Руткас Анатолій Георгійович	Лауреат Державної премії України	2008
5.	Гордієнко Юрій Омелянович	Лауреат Державної премії України	2011
6.	Милютченко Іван Олександрович	Лауреат Державної премії України	2012
7.	Грецьких Дмитро Вячеславович	Лауреат Державної премії України	2012
8.	Гринченко Людмила Василівна	Лауреат Державної премії України	2012
9.	Усін Володимир Ананійович	Лауреат Державної премії України	2012
10.	Коваль Юрій Олександрович	Лауреат Державної премії України	2012
11.	Шокало Володимир Михайлович	Лауреат Державної премії України	2012
12.	Сліпченко Микола Іванович	Лауреат Державної премії України	2012
13.	Руденко Олег Григорович	Лауреат Державної премії України	2012
14.	Сотников Олег Михайлович	Лауреат Державної премії України	2012
15.	Єлаков Сергій Геннадійович	Лауреат Державної премії України	2012
16.	Невлюдов Ігор Шакирович	Лауреат Державної премії України	2014
17.	Палагін Віктор Андрійович	Лауреат Державної премії України	2014
18.	Гордієнко Юрій Омелянович	Заслужений діяч науки і техніки України	2008
19.	Чумаков Володимир Іванович	Заслужений діяч науки і техніки України	2012
20.	Рубан Ігор Вікторович	Заслужений працівник освіти України	2012
21.	Лесна Наталя Советівна	Заслужений працівник освіти України	2013
22.	Невлюдов Ігор Шакирович	Заслужений діяч науки і техніки України	2013
23.	Бондаренко Михайло Федорович	Орден «За заслуги» II ступеня	2010
24.	Шифрін Яков Соломонович	Орден князя Ярослава Мудрого V ступеня	2016

25.	Бих Анатолій Іванович	Почесна грамота Верховної Ради України	2009
26.	Тевяшев Андрій Дмитрович	Грамота Верховної Ради України «За заслуги перед Українським народом»	2010
27.	Бодянський Євгеній Володимирович	Грамота Верховної Ради України «За заслуги перед Українським народом»	2010
28.	Мачехін Юрій Павлович	Грамота Верховної Ради України «За заслуги перед Українським народом»	2010
29.	Горбенко Іван Дмитрович	Грамота Верховної Ради України «За заслуги перед Українським народом»	2011
30.	Попов Сергій Віталійович	Премія Верховної Ради України найталановитішим молодим ученим в галузі фундаментальних і прикладних досліджень та науково-технічних розробок	2009
		Стипендія Кабінету Міністрів України для молодих вчених	2010
		Стипендія Кабінету Міністрів України для молодих вчених	2011
		Стипендія Кабінету Міністрів України для молодих вчених	2012
31.	Агєєв Дмитро Володимирович	Премія Президента України для молодих вчених	2012
		Стипендія Кабінету Міністрів України для молодих вчених	2011
32.	Коваленко Андрій Анатолійович	Премія Президента України для молодих вчених	2015
33.	Винокурова Олена Анатоліївна	Премія Президента України для молодих вчених	2015
		Іменна стипендія Верховної Ради України для найталановитіших молодих вчених	2015
		Премія Верховної Ради України найталановитішим молодим ученим в галузі фундаментальних і прикладних досліджень та науково-технічних розробок	2012
34.	Олійник Олександр Ігоревич	Стипендія Кабінету Міністрів України для молодих вчених	2010
		Стипендія Кабінету Міністрів України для молодих вчених	2011
35.	Клименко Олексій Вікторович	Стипендія Кабінету Міністрів України для молодих вчених	2011
		Стипендія Кабінету Міністрів України для молодих вчених	2012

36.	Екезлі Андрій Ігорович	Стипендія Кабінету Міністрів України для молодих вчених	2012
		Стипендія Кабінету Міністрів України для молодих вчених	2013
		Стипендія Кабінету Міністрів України для молодих вчених	2014
37.	Жолудов Юрій Тимофійович	Стипендія Кабінету Міністрів України для молодих вчених	2014
		Стипендія Кабінету Міністрів України для молодих вчених	2015
		Стипендія Кабінету Міністрів України для молодих вчених	2016
38.	Кукуш Віталій Дмитрович	Стипендія Кабінету Міністрів України для молодих вчених	2014
		Стипендія Кабінету Міністрів України для молодих вчених	2015
		Стипендія Кабінету Міністрів України для молодих вчених	2016
39.	Сніжко Дмитро Вікторович	Стипендія Кабінету Міністрів України для молодих вчених	2014
		Стипендія Кабінету Міністрів України для молодих вчених	2015
		Стипендія Кабінету Міністрів України для молодих вчених	2016
40.	Музика Катерина Миколаївна	Стипендія Кабінету Міністрів України для молодих вчених	2015
		Стипендія Кабінету Міністрів України для молодих вчених	2016
41.	Перова Ірина Геннадіївна	Лауреат Премії Верховної Ради України найталановитішим молодим ученим в галузі фундаментальних і прикладних досліджень та науково-технічних розробок	2017
42.	Єременко Олександра Сергіївна	Стипендія Кабінету Міністрів України для молодих вчених	2018
43.	Омаров Мурад Анвер огли	Грамота Верховної Ради України Заслужений діяч науки Азербайджанської Республіки	2013 2016
44.	Вечур Олександр Володимирович	Нагрудний знак МОН України «Відмінник освіти України»	2016
45.	Етенко Наталія Юріївна	Нагрудний знак МОН України «Відмінник освіти України»	2011

4) кількість випускників закладу вищої освіти, яким протягом останніх 10 років було присвоєно почесні звання України – 43;

№	ПІБ	Почесне звання (державна нагорода)	Рік присвоєння (нагородження)
1.	Котляр Євген Миколайович	Звання Герой України (посмертно)	2014

		Почесна медаль «За жертвність і любов до України» (посмертно)	2015
2.	Дьомін Олег Олексійович	Орден «За заслуги» I ст.	2011
3.	Гіршфельд Анатолій Мусійович	Орден «За заслуги» II ст.	2009
4.	Ємець Олег Олексійович	Лауреат Державної премії України	2009
5.	Винокур Юлія Миколаївна	Заслужений журналіст України	2009
6.	Верещак Олександр Петрович	Орден «За заслуги» I ст.	2009
7.	Семенець Валерій Васильович	Лауреат Державної премії України	2008
8.	Бондаренко Михайло Федорович	Лауреат Державної премії України	2008
9.	Руткас Анатолій Георгійович	Лауреат Державної премії України	2008
10.	Білоус Наталія Валентинівна	Лауреат Державної премії України	2008
11.	Милютченко Іван Олександрович	Лауреат Державної премії України	2012
12.	Грецьких Дмитро Вячеславович	Лауреат Державної премії України	2012
13.	Шокало Володимир Михайлович	Лауреат Державної премії України	2012
14.	Сліпченко Микола Іванович	Лауреат Державної премії України	2013
15.	Руденко Олег Григорович	Лауреат Державної премії України	2013
16.	Сотников Олег Михайлович	Лауреат Державної премії України	2013
17.	Єлаков Сергій Геннадійович	Лауреат Державної премії України	2013
18.	Чумаков Володимир Іванович	Заслужений діяч науки і техніки України	2012
19.	Лесна Наталя Советівна	Заслужений працівник освіти України	2013
20.	Бондаренко Михайло Федорович	Орден «За заслуги» II ступеня	2010
21.	Бих Анатолій Іванович	Почесна грамота Верховної Ради України	2009
22.	Бодяньський Євгеній Володимирович	Грамота Верховної Ради України «За заслуги перед Українським народом»	2010
23.	Мачехін Юрій Павлович	Грамота Верховної Ради України «За заслуги перед Українським народом»	2010
24.	Попов Сергій Віталійович	Премія Верховної Ради України найталановитішим молодим ученим в галузі фундаментальних і прикладних досліджень та науково-технічних розробок	2009
		Стипендія Кабінету Міністрів України для молодих вчених	2010
		Стипендія Кабінету Міністрів України для молодих вчених	2011
		Стипендія Кабінету Міністрів України для молодих вчених	2012
25.	Агеєв Дмитро Володимирович	Премія Президента України для молодих вчених	2012
		Стипендія Кабінету Міністрів України для молодих вчених	2011
26.	Коваленко Андрій Анатолійович	Премія Президента України для молодих вчених	2015
27.	Винокурова Олена Анатоліївна	Премія Президента України для молодих вчених	2015
28.		Стипендія Кабінету Міністрів України для молодих вчених	2010

	Олійник Олександр Ігоревич	Стипендія Кабінету Міністрів України для молодих вчених	2011
29.	Клименко Олексій Вікторович	Стипендія Кабінету Міністрів України для молодих вчених	2011
		Стипендія Кабінету Міністрів України для молодих вчених	2012
30.	Екезлі Андрій Ігорович	Стипендія Кабінету Міністрів України для молодих вчених	2012
		Стипендія Кабінету Міністрів України для молодих вчених	2013
		Стипендія Кабінету Міністрів України для молодих вчених	2014
31.	Жолудов Юрій Тимофійович	Стипендія Кабінету Міністрів України для молодих вчених	2014
		Стипендія Кабінету Міністрів України для молодих вчених	2015
		Стипендія Кабінету Міністрів України для молодих вчених	2016
32.	Кукуш Віталій Дмитрович	Стипендія Кабінету Міністрів України для молодих вчених	2014
		Стипендія Кабінету Міністрів України для молодих вчених	2015
		Стипендія Кабінету Міністрів України для молодих вчених	2016
33.	Сніжко Дмитро Вікторович	Стипендія Кабінету Міністрів України для молодих вчених	2014
		Стипендія Кабінету Міністрів України для молодих вчених	2015
		Стипендія Кабінету Міністрів України для молодих вчених	2016
34.	Музика Катерина Миколаївна	Стипендія Кабінету Міністрів України для молодих вчених	2015
		Стипендія Кабінету Міністрів України для молодих вчених	2016
35.	Перова Ірина Геннадіївна	Лауреат Премії Верховної Ради України найталановитішим молодим ученим в галузі фундаментальних і прикладних досліджень та науково-технічних розробок	2017
36.	Єременко Олександра Сергіївна	Стипендія Кабінету Міністрів України для молодих вчених	2018
37.	Омаров Мурад Анвер огли	Грамота Верховної Ради України	2013
		Заслужений діяч науки Азербайджанської Республіки	2016
38.	Балганбаєв Сергій Арстанбекович	Іменна стипендія Верховної Ради України ім. В.А. Івашка	2013
		Іменна стипендія Верховної Ради України ім. В.А. Івашка	2014
39.	Гарячевська Дар'я Володимирівна	Іменна стипендія Верховної Ради України ім. В.А. Івашка	2013

		Іменна стипендія Верховної Ради України ім. В.А. Івашка	2014
40.	Волкова Марія Олександрівна	Іменна стипендія Верховної Ради України ім. В.А. Івашка	2014
		Іменна стипендія Верховної Ради України ім. В.А. Івашка	2015
41.	Стеблянко Богдан Олександрович	Іменна стипендія Верховної Ради України ім. В.А. Івашка	2014
		Іменна стипендія Верховної Ради України ім. В.А. Івашка	2015
42.	Боцман Олександр Сергійович	Іменна стипендія Верховної Ради України ім. В.А. Івашка	2015
		Іменна стипендія Верховної Ради України ім. В.А. Івашка	2016
43.	Кончаковська Оксана Сергіївна	Іменна стипендія Верховної Ради України ім. В.А. Івашка	2015
		Іменна стипендія Верховної Ради України ім. В.А. Івашка	2016

5) кількість випускників закладу вищої освіти, які підтвердили своє працевлаштування протягом трьох років (може використовуватись інформація, яка отримана не раніше, ніж через шість місяців після отримання документів про вищу освіту та закінчення навчання) – 160.

Таблиця 4. Наукометричні показники

Факультет (Інститут)	Кафедра, відділ тощо	Прізвище, ім'я, по батькові наукового, науково-педагогічного працівника	ID Scopus (за наявності)	Індекс Гірша Scopus	ID Web of Science (за наявності)	Індекс Гірша Web of Science
Факультет комп'ютерної інженерії та управління	Кафедра автоматизації проектування обчислювальної техніки	Свирь Ірина Борисівна	6603607401	20		18
		Хаханов Володимир Іванович	7801667873	8	W-1821-2017	3
		Литвинова Євгенія Іванівна	25650378900	6	W-3648-2017	3
		Чумаченко Світлана Вікторівна	57188710840	5	W-1171-2017	2
		Хаханова Ганна Володимирівна	8326375900	3		
		Адамов Олександр Семенович	24483070600	2	W-1821-2017	1
		Зіарманд Артур Нісарович	56026963100	2	W-1696-2017	1
		Хаханова Ірина Віталіївна	24479469700	2	W-4459-2017	1
		Кривуля Геннадій Федорович	24483379300	1	B-2183-2018	1
		Ємельянов Ігор Валерійович	56026894500	1		
		Кучеренко Дарія Юхимівна	27867781600	1	V-7547-2017	1
		Ларченко Ліна Вікторівна	57194415994	1		
		Соклакова Тетяна Ігорівна	57189332571	1		1
		Шкіль Олександр Сергійович	6506160916	1	W-1737-2017	
Філіппенко Інна Вікторівна	24483080100	1	W-3519-2017			
Факультет комп'ютерної інженерії та управління	Кафедра безпеки інформаційних технологій	Руженцев Віктор Ігорович	36069743200	3	I-6001-2016	1
		Грінченко Тетяна Олексіївна	57190444905	1		
Факультет електронної та біомедичної інженерії	Кафедра біомедичної інженерії	Музика Катерина Миколаївна	24399259200	5	V-9619-2017	4
		Перова Ірина Геннадіївна	57189383519	5	V-7479-2017	1
		Жолудов Юрій Тимофійович	24759544600	4	F-1406-2015	3
		Кукоба Анатолій Васильович	6507740585	3		4
		Білаш Олена Михайлівна	36945093800	2		2
		Аврунін Олег Григорович	35298713200	2	V-9008-2017	2
		Сніжко Дмитро Вікторович	24759512700	2	S-2348-2017	1
		Леонідов Володимир Іванович	6701699223	2		1
		Бих Анатолій Іванович	6603476868	1		5
		Тимкович Максим Юрійович	56685704800	1	V-7068-2017	1

		Лінник Олена Вячеславівна	57190438040	1	A-6240-2018	
		Носова Яна Віталіївна	57105743600	1	V-5910-2017	
		Прасол Ігор Вікторович	55891027200	1	B-8669-2019	
		Сушко Ольга Анатоліївна	56112737600	1	V-8702-2017	
Факультет інформаційно-аналітичних технологій та менеджменту	Кафедра вищої математики	Нерух Олександр Георгійович	7003848906	12	E-4309-2018	9
		Дорошенко Володимир Олексійович	7102624682	4	F-3961-2018	3
		Стогній Надія Петрівна	55263234200	3		2
		Курижева Ольга Володимирівна (Жила)	56784340900	1		
		Сова Ганна Василівна	6602097880	1		
Факультет інформаційно-аналітичних технологій та менеджменту	Кафедра економічної кібернетики та управління економічною безпекою	Стороженко Олександра Володимирівна	57205541384	1	W-1350-2017	
Факультет комп'ютерної інженерії та управління	Кафедра електронних обчислювальних машин	Коваленко Андрій Анатолійович	56423229200	5	V-9826-2017	1
		Мовсесян Яна Самвелівна	56866413200	2		2
		Іванісенко Ігор Миколайович	57188694373	3	F-3331-2018	1
		Ткачов Віталій Миколайович	56485859400	1	B-9373-2015	
		Лебедев Олег Григорович	15069216000	1	V-8026-2017	
		Корабльов Микола Михайлович	43061153900	1		
		Ляшенко Олексій Сергійович	55658561300	1		
		Мартовицький Віталій Олександрович	57196940070	1		
		Рустінов Володимир Олексійович	8376830600	1		
		Рубан Ігор Вікторич	7004018101	1	E-1293-2016	
		Радченко В"ячеслав Олексійович	57189376280	1	V-6283-2017	
		Міхаль Олег Пилипович	6506562747	1		1
		Аксак Наталія Георгіївна	24483001300	1	V-4959-2017	
		Токарев Володимир Володимирович	57188622143	1	V-6067-2017	
		Сорокіна Ірина Віталіївна	43061691400	1		
Факультет автоматики і комп'ютеризованих технологій	Кафедра проектування та експлуатації електронних апаратів	Панченко Олександр Юрійович	55568512035	3	W-4098-2017	
		Чумаков Володимир Іванович	7005972663	3	W-4530-2017	
		Галкін Павло Вікторович	57189250222	1	W-3504-2017	
		Ключник Ігор Іванович	35117813800	1	W-3728-2017	

Факультет інформаційних радіотехнологій і технічного захисту інформації	Кафедра іноземних мов	Умяров Каміль Тагірович	57188701728	1	A-4442-2018	1
Факультет інфокомунікацій	Кафедра інфокомунікаційної інженерії	Лемешко Олександр Віталійович	24479782800	9	H-9977-2013	5
		Агеєв Дмитро Володимирович	6507006637	8	A-7274-2012	3
		Єременко Олександра Сергіївна	56825892200	6	C-6981-2015	4
		Невзорова Олена Сергіївна	56485978800	4	V-4731-2017	2
		Євсєєва Оксана Юріївна	35868214300	3		1
		Радівілова Тамара Анатоліївна	24484091300	3	V-9426-2017	1
		Вавенко Тетяна Василівна (Супрун)	55816901200	2	W-2627-2017	2
		Євдокименко Марина Олександрівна	57188752496	2	V-8865-2017	1
		Снігуров Аркадій Владиславович	55816409100	2	W-1080-2017	1
		Шостко Ігор Світославович	9274594000	2	W-1130-2017	1
		Лебеденко Тетяна Миколаївна	57188749876	2		1
		Тітаренко Лариса Олександрівна	23135884800	2	B-2936-2018	0
		Ткачова Олена Борисівна	57188763171	1		1
		Дуравкін Євген Володимирович	36068915100	1		1
		Чакрян Вадим Хазарович	55816613900	1	V-5781-2017	1
		Терещенко Ігор Володимирович	57194035858	1		1
		Мерсні Амаль	57194431824	1		
		Штангей Світлана Вікторівна	56485954400	1		1
		Кадацька Ольга Йосипівна	56486151800	1		
		Коляденко Юлія Юріївна	9274738700	1		1
		Лошаков Валерій Андрійович	56114952300	1	B-3612-2018	1
		Мартинчук Олександр Олександрович	56486147800	1		1
		Сабурова Світлана Олександрівна	56486141900	1	V-5512-2017	
Факультет інформаційно-аналітичних технологій та менеджменту	Кафедра інформатики	Гороховатський Володимир Олексійович	6506997369	3	L-1068-2015	2
		Ляшенко Вячеслав Вікторович	56712496800	2	L-7688-2015	1
		Машталір Володимир Петрович	6507672782	2	E-8731-2018	1
		Путятін Євгеній Петрович	56962726800	2		1
		Машталір Сергій Володимирович	36183980100	2	U-9921-2017	1

		Вечірська Ірина Дмитрівна	56440024900	1		
		Кобилін Олег Анатолійович	56845919400	1	V-1295-2017	1
		Яковлева Олена Володимирівна	55919417800	1		
		Кіношенко Дмитро Костянтинівич	8860381900	1		1
		Кузьомін Олександр Якович	56557056500	1	W-2783-2017	
		Куліков Юрій Олександрович	56845066600	1		
Факультет комп'ютерних наук	Кафедра інформаційних управляючих систем	Євланов Максим Вікторович	57163424300	2		
		Левикін Віктор Макарович	57195480506	1	B-7987-2019	
		Неумивакіна Ольга Євгеніївна	57196296954	1	W-3057-2017	
		Саєнко Володимир Іванович	36182104500	1	V-4405-2017	
		Чалий Сергій Федорович	56008249900	1	F-1762-2018	
Факультет інфокомунікацій	Кафедра інформаційно-мережної інженерії	Тихонов Вячеслав Анатолійович	12797305300	3	S-8382-2018	1
		Безрук Валерій Михайлович	15833942400	2	B-2998-2018	1
		Кривенко Станіслав Анатолійович	56337811900	2	W-2797-2017	2
		Твердохліб Віталій Вікторович	57188571542	2	W-2749-2017	1
		Чеботарьова Дарія Василівна	26654033000	2	B-4139-2018	
		Власова Вікторія Олександрівна	55976299700	1	B-3159-2018	
		Колтун Юрій Миколайович	57170510300	1	B-4147-2018	
		Федоров Олексій Валерійович	56981705200	1	B-3653-2018	
		Харченко Наталія Андріївна	55976111400	1	W-2946-2017	1
		Скорик Юлія Валеріївна	36070041200	1	B-4412-2018	
		Астраханцев Андрій Анатолійович	55226016400	1	W-1266-2017	
		Омельченко Анатолій Васильович	24723271500	1	E-7045-2018	
Факультет автоматики і комп'ютеризованих технологій	Кафедра комп'ютерно-інтегрованих технологій, автоматизації та мехатроніки	Филипенко Олександр Іванович	6603262903	3		1
		Сотник Світлана Вікторівна	57193453410	3	V-6248-2017	
		Сичова Оксана Володимирівна	16647283500	2	G-3941-2014	1
		Невлюдов Ігор Шакирович	8572033200	2	V-5986-2017	1
		Чала Олена Олександрівна	57202289551	1	W-1170-2017	1
		Якубовська Софія Володимирівна	57193698953	1	W-1303-2017	
		Новоселов Сергій Павлович	57201604404	1	V-9945-2017	1
		Олександров Юрій Миколайович	7006546248	1		1
		Цимбал Олександр Михайлович	36021627200	1	P-5875-2017	
		Бортнікова Вікторія Олегівна	57190574757	1	V-5745-2017	1

		Євсєєв Владислав В`Ячеславович	57190568855	1		
		Палагін Віктор Андрійович	24462357100	1	W-1286-2017	
		Письменецький Віктор Олександрович	35763209300	1	W-1367-2017	
		Разумов-Фризюк Євгеній Анатолійович	24461662400	1		
Факультет інформаційних радіотехнологій і технічного захисту інформації	Кафедра комп'ютерної радіоінженерії та систем технічного захисту інформації	Олейніков Анатолій Миколайович	6603248549	6	B-5793-2019	5
		Лучанінов Анатолій Іванович	6603667272	3	B-8354-2019	1
		Стрельницький Олексій Олександрович	25929621900	2	K-9329-2015	1
		Должиков Володимир Васильович	9636886100	2	U-8109-2017, B-4171-2018	
		Стрельницький Олександр Євгенійович	24480225200	2		1
		Гавва Дмитро Сергійович	8214864300	2	W-4294-2017	
		Грецьких Дмитро Вячеславович	24479367300	2	V-7222-2017	
		Горелов Денис Юрійович	16401507200	1		
		Лихограй Василь Григорович	56115079000	1		
		Ягудіна Олена В`ячеславівна	41862738100	1		
		Медведєв Євген Олександрович	56114523700	1	A-9065-2018	
		Назаренко Володимир Анатолійович	7101884027	1		1
		Щербина Олександр Олексійович	15319567400	1		
		Антіпов Іван Євгенійович	8373554700	1		
		Іванова Олена Олександрівна	7201870040	1	B-2539-2018	
		Рибалко Олександр Митрофанович	7004856096	1		
		Белявцев Вадим Борисович	6602423119			1
		Гладкоскок Іван Данилович	6506789308			1
Факультет інформаційних радіотехнологій і технічного захисту інформації Факультет комп'ютерних наук	Кафедра медіа інженерії та інформаційних радіоелектронних систем	Карташов Володимир Михайлович	9534197500	4	E-1307-2018	1
		Посошенко Віталій Олександрович	36632898200	1	E-3336-2018	
		Толстих Єлизавета Геннадіївна	56784334400	1	E-3185-2018	
	Кафедра медіасистеми та технології	Олейніков Володимир Миколайович	9535153800	1	E-1743-2018	
		Дейнеко Жанна Валентинівна	57199330199	2	W-2808-2017	
		Кулішова Нонна Євгенівна	25625157400	2	B-7935-2019	1
		Табакова Ірина Станіславівна	57194480930	1	V-6502-2017	1
		Ткаченко Володимир Пилипович	57194038934	1	B-4841-2018	1

Факультет інфокомунікацій	Кафедра метрології та технічної експертизи	Нікітенко Олександр Миколайович	6603023430	3	G-2195-2014	
		Захаров Ігор Петрович	7202049546	2	W-1135-2017	1
		Штефан Наталя Володимирівна	6507966386	2		1
		Єгоров Андрій Борисович	56979094000	1		
		Мощенко Інна Олексіївна	57189311514	1		
		Семенець Валерій Васильович	25929592700	1	D-8879-2018	1
Факультет електронної та біомедичної інженерії	Кафедра мікроелектроніки і електронних приладів та пристроїв	Грицунов Олександр Валентинович	6602929972	4	B-3018-2018	1
		Гордієнко Юрій Омелянович	6701855238	3	B-3577-2018	1
		Стрількова Тетяна Олександрівна	6701878527	2		
		Глухов Олег Вікторович	6602405611	2	B-1649-2018	
		Бабиченко Оксана Юріївна	36683068200	1	B-3503-2018	
		Галат Олександр Борисович	57008866400	1	B-3888-2018	
		Бондаренко Ігор Миколайович	35606859900	1	C-2961-2019	
		Горбенко Євген Олександрович	57202339038	1	C-9644-2019	
		Пашенко Олексій Георгійович	15731749700	1		
Факультет інформаційних радіотехнологій та технічного захисту інформації	Кафедра мікропроцесорних технологій і систем	Воргуль Олександр Васильович	15077523700	1		
		Свид Ірина Вікторівна	23974032700	1	Q-9625-2017	
Факультет інформаційно-аналітичних	Кафедра прикладної математики	Кіріченко Людмила Олегівна	47861221700	2	A-9515-2018	1
		Тевяшев Андрій Дмитрович	8214896500	1		
		Кривошесєва Галина Миколаївна	24341069100	1		
Факультет навчання іноземних громадян	Кафедра природознавчих наук	Цехмістро Роман Іванович	15072342500	1		
		Омаров Мурад Анвер Огли	55659255500	1	V-3809-2017	
Факультет комп'ютерних наук	Кафедра програмної інженерії	Ворочек Ольга Григорівна	56618685100	3	W-4954-2017	2
		Бабій Андрій Степанович	57189391408	2	D-2630-2018	1
		Лесна Наталя Советівна	8329670200	2	D-3232-2018	1
		Дудар Зоя Володимирівна	6506991522	2		1
		Єрохін Андрій Леонідович	57189381444	2	O-8297-2014	1
		Шатовська Тетяна Борисівна	8329670000	2		2
		Шубін Ігор Юрійович	57188703184	2	D-2431-2018	1
		Турута Олексій Петрович	57189377891	2	U-3291-2017	1

		Голян Віра Володимирівна	56008181700	1		
		Голян Наталія Вікторівна	56007783500	1	C-1405-2018	
		Лещинський Володимир Олександрович	56439902800	1		
		Четвериков Григорій Григорович	55386924000	1		
		Білоус Наталія Валентинівна	56485929300	1	E-7325-2018	1
		Горбач Тетяна Вікторівна	56803719500	1		1
		Ревенчук Ілона Анатоліївна	24480010500	1	B-7798-2018	1
Факультет інформаційних радіотехнологій і технічного захисту інформації	Кафедра радіотехнологій інформаційно-комунікаційних систем	Цопа Олександр Іванович	24722940900	2		1
		Зарудний Олександр Андрійович	6506769484	2		1
Факультет комп'ютерних наук	Кафедра системотехніки	Гребеннік Ігор Валерійович	20433339500	4	B-5377-2018	2
		Нечипоренко Аліна Сергіївна	57189386760	2	O-8286-2014, B-6347-2019	1
		Коваленко Ганна Андріївна	56735573900	2		
		Ситніков Дмитро Едуардович	16302534800	2	O-6386-2017, D-8277-2018	
		Урняєва Інна Анатоліївна	57201483350	1	C-2507-2018	1
		Імангулова Зульфія Аліївна	57192819329	1	D-1748-2018	
		Колесник Людмила Володимирівна	57192820253	1		
		Чорна Ольга Сергіївна	56976296000	1	B-7291-2019	1
		Коваленко Андрій Іванович	57203149875		D-5124-2018	1
Факультет автоматики і комп'ютеризованих технологій	Кафедра фізики	Коваленко Олена Миколаївна	7102777798	6	V-2795-2017	3
		Козарь Анатолій Іванович	55938668500	2	V-5579-2017	
		Кравченко Сергій Геннадійович	56825322300	1	V-2850-2017	
		Онищенко Андрій Анатолійович	56825402600	1	V-4219-2017	
		Стороженко Володимир Олександрович	56728175800	1	V-8806-2017	
Факультет електронної та біомедичної інженерії	Кафедра фізичних основ електронної техніки	Мачехін Юрій Павлович	56403093300	5	B-7397-2019	2
		Чурюмов Геннадій Іванович	6602781297	4	E-8788-2018	2
		Гнатенко Олександр Сергійович	24329227200	4	V-5984-2017	
		Одаренко Євген Миколайович	55940519400	3	K-3827-2016	2
		Курський Юрій Сергійович	56568556700	2	D-3962-2018	

		Васянович Анатолій Володимирович	6505759579	1	Е-5992-2018	1
		Екезлі Андрій Ігорович	24722495800	1		
		Фролова Тетяна Іванівна	16401149500	1	J-5315-2016	1
		Черняков Едуард Іванович	36518492100	1		
Факультет комп'ютерних наук	Кафедра штучного інтелекту	Бодяньський Євгеній Володимирович	13105377000	14	R-3344-2016	9
		Терзіян Ваган Якович	6602841726	4	C-4899-2018	3
		Дейнеко Анастасія Олександрівна	56940612600	3		2
		Вітько Олександра Валеріївна	6506666531	2	V-8356-2017	1
		Магдаліна Ігор Валерійович	57191953930	2	V-7097-2017	1
		Головянко Марія Валентинівна	56125026000	2	E-9472-2018	2
		Шевченко Олександр Юрійович	56124744100	1		1
		Шергін Вадим Леонідович	57201728980	1	E-7352-2018	
		Гребенюк В`Ячеслав Олександрович	14632007700	1	A-9097-2018	
		Чала Лариса Ернестівна	57194214849	1	G-8888-2016	
				Філатов Валентин Олександрович	56911938100	1
	Науково дослідний центр інтегрованих інформаційних радіоелектронних систем та технологій	Шифрін Яків Соломонович	6601974180	4	B-6825-2019	2
		Жаліло Олексій Олександрович	24479847300	2		1
		Жуга Геннадій Олександрович	36070123100	1		
		Максимова Ніна Григорівна	23398190100	1	B-7302-2019	
		Дохов Олександр Іванович	9437033900	1		
		Жирнов Володимир Віталійович	56439217100	1		
		Бабкін Станіслав Іванович	7003842489	1	E-3304-2018	1
		Калюжний Микола Михайлович	36069392000	1	E-8850-2018	
	Науково-дослідна лабораторія радіоастрономії	Коломієць Світлана Володимирівна	6506695489	2	F-4795-2018	1
	Науково-навчальний центр РТ	Костира Олександр Олексійович	37063443400	1		
	Науково-дослідна частина	Леховицький Давід Ісаакович	36069382700	6		2
		Семеняка Андрій Вікторович	53880314400	4		1
		Рачков Дмитро Сергійович	36070059800	4		1
		Рябуха Вячеслав Петрович	56340095900	2		
		Катюшин Євген Анатолійович	55485066600	1		

		Зарицький Валерій Іванович	36070248600	1		1
	Проблемна науково-дослідна лабораторія автоматизованих систем управління	Винокурова Олена Анатоліївна	14018777000	10	Q-1639-2016	6
		Плісс Ірина Павлівна	6506130334	6	V-1179-2017	4
		Попов Сергій Віталійович	7202624297	3		2
		Бойко Олена Олександрівна	56736026400	2	U-9669-2017	3
	Разом:			496		225

Таблиця 5. Наукові, науково-педагогічні працівники, які мають не менше п'яти наукових публікацій у періодичних виданнях, які на час публікації було включено до наукометричних баз Scopus або Web of Science						
Факул ьтет (Инсти тут)	Кафед ра, відділ тощо	Прізвище, ім'я, по батькові наукового, науково- педагогічного працівника	Кіл ькіс ть пуб ліка цій Sco pus	Назва та реквізити публікацій Scopus (прирівняні відзнаки)	Кі ль кіс ть пу блі ка цій We b of Sci enc e	Назва та реквізити публікацій Web of Science (прирівняні відзнаки)
ІТМ	ВМ	НЕРУХ ОЛЕКСАНДР ГЕОРГІЙОВИ Ч	163	1. Nerukh AG, Khizhnyak NA. RESONANCE PROPERTIES OF A PULSATING DIELECTRIC SPHERE. Sov Phys Tech Phys [Internet]. 1974;19(2):166-8. Available from: www.scopus.com	15 1	Sakhnenko, N; Benson, T; Sewell, P; Nerukh, A; Transient transformation of whispering gallery resonator modes due to time variations in dielectric permittivity; OPTICAL AND QUANTUM ELECTRONICS; 2006 38 10.1007/s11082-006-0018-5
				2. Nerukh AG, Khizhnyak NA. Interaction of electromagnetic waves with the boundary of a relativistically moving medium in the presence of waveguide dispersion. Radiophys Quantum Electron [Internet]. 1978;21(10):1037-41. Available from: www.scopus.com		NERUKH, AG; EVOLUTIONARY APPROACH IN TRANSIENT ELECTRODYNAMICS PROBLEMS; RADIO SCIENCE; 1995 30 10.1029/94RS03377

			3. Nerukh AG, Safronov GS. SYNTHESIS OF PLANAR HOLOGRAMS FROM SIGNALS RECORDED ON A CURVILINEAR SURFACE. Radio Eng Electron Phys [Internet]. 1979;24(12):52-6. Available from: www.scopus.com	Fedotov, FV; Nerukh, AG; Benson, TA; Sewell, P; Investigation of electromagnetic field in a layer with time-varying medium by Volterra integral equation method; JOURNAL OF LIGHTWAVE TECHNOLOGY; 2003 21 10.1109/JLT.2003.808652
			4. Nerukh AG, Khizhnyak NA. Reflection of radio waves from a moving plasma cluster in a waveguide. Radiophys Quantum Electron [Internet]. 1980;23(5):345-9. Available from: www.scopus.com	Bekker, E. V.; Vukovic, A.; Sewell, P.; Benson, T. M.; Sakhnenko, N. K.; Nerukh, A. G.; An assessment of coherent coupling through radiation fields in time varying slab waveguides; OPTICAL AND QUANTUM ELECTRONICS; 2007 39 10.1007/s11082-007-9104-6
			5. Nerukh AG. SCATTERING OF ELECTROMAGNETIC WAVES IN A PLASMA-FILLED HALF-SPACE AFTER ONSET OF PLASMA MOTION. Sov Phys Tech Phys [Internet]. 1984;29(2):127-32. Available from: www.scopus.com	Nerukh, AG; Sewell, P; Benson, TM; Volterra integral equations for nonstationary electromagnetic processes in time-varying dielectric waveguides; JOURNAL OF LIGHTWAVE TECHNOLOGY; 2004 22 10.1109/JLT.2004.827667
			6. Shpagin YV, Martynenko LG, Nerukh AG. Analysis of electrodynamic parameters governing the selection of the shape of converters in ponderomotive SHF wattmeters. Meas Tech [Internet]. 1988;31(5):493-5. Available from: www.scopus.com	Sakhnenko, Nataliya; Nerukh, Alexander; Rigorous analysis of whispering gallery mode frequency conversion because of time variation of refractive index in a spherical resonator; JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION; 2012 29 10.1364/JOSAA.29.000099
			7. Nerukh AG, Khizhnyak NA, Minko PE. Electromagnetic wave reflection from a stratified plasma cluster moving in a waveguide. Radiophys Quantum Electron [Internet]. 1990;33(5):453-6. Available from: www.scopus.com	Nerukh, AG; Scherbatko, IV; Rybin, ON; The direct numerical calculation of an integral Volterra equation for an electromagnetic signal in a time-varying dissipative medium; JOURNAL OF ELECTROMAGNETIC

					WAVES AND APPLICATIONS; 1998 12 10.1163/156939398X00755
				8. Nerukh AG, Shavorykina IY. Transformation of radiation pulse in nonstationary conducting medium. Radiophys Quantum Electron [Internet]. 1992;35(3-4):203-9. Available from: www.scopus.com	Sakhnenko, Nataliya; Nerukh, Alexander; Sewell, Phillip; Benson, Trevor; Frequency conversion and field pattern rotation in WGM resonator with transient inclusion; OPTICAL AND QUANTUM ELECTRONICS; 2007 39 10.1007/s11082-007-9140-2
				9. Nerukh AG, Shavorykina IY. Transformation of the pulse radiation in a nonstationary conducting medium. Izv VUZ Radiofiz [Internet]. 1992;35(3-4):302-12. Available from: www.scopus.com	Ruzhitskaya, NN; Nerukh, AG; Nerukh, D; Accurate modelling of pulse transformation by adjustable-in-time medium parameters; OPTICAL AND QUANTUM ELECTRONICS; 2003 35 10.1023/A:1022905302541
				10. Nerukh AG. Evolutionary approach in transient electrodynamics problems. Radio Sci [Internet]. 1995;30(3):481-91. Available from: www.scopus.com	Sakhnenko, Nataliya K.; Nerukh, Alexander G.; Benson, Trevor M.; Sewell, Phillip; Near-field pattern images in 2-D circular resonator with time-varying plasma; IEEE TRANSACTIONS ON PLASMA SCIENCE; 2008 36 10.1109/TPS.2008.917777
				11. Kalugin ON, Nerukh DA, Eremenko SA, Van'kevich AV, Nerukh AG. Molecular dynamics of acetonitrile in its electrolyte solutions by raman spectroscopy. Russ J Inorg Chem [Internet]. 1996;41(2):249-58. Available from: www.scopus.com	Brownell, JH; Nerukh, AG; Sakhnenko, NK; Zhil'kov, SV; Aleksandrova, AA; Terahertz sensing of non-equilibrium microplasmas; JOURNAL OF PHYSICS D-APPLIED PHYSICS; 2005 38 10.1088/0022-3727/38/11/004
				12. Nerukh AG, Scherbinin DG. Electromagnetic signal response to nonstationarity of bounded medium. Turk J Phys [Internet]. 1996;20(4):350-5. Available from: www.scopus.com	Nerukh, AG; Scherbatko, IV; Nerukh, DA; Using evolutionary recursion to solve an electromagnetic problem with time-varying parameters; MICROWAVE AND OPTICAL

					TECHNOLOGY LETTERS; 1997 14 10.1002/(SICI)1098- 2760(199701)14:1<31::AID- MOP10>3.3.CO;2-V
				13. Tyzhnenko A, Nerukh A. Method of solution of scattering problems in piece-wise uniform dielectric media. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 19961996. p. 151-4. Available from: www.scopus.com	Nerukh, AG; Intermittency of electromagnetic waves in a regular time-varying medium; JOURNAL OF PHYSICS D-APPLIED PHYSICS; 1999 32 10.1088/0022-3727/32/16/309
				14. Nerukh AG, Sherbatko IV, Tyzhnenko AG. Scattering of radiation by object located near plane boundary of nonstationary medium. In: Trans Black Sea Region Symposium on Applied Electromagnetism [Internet]; 19961996 Available from: www.scopus.com	Al-Jarro, A; Sewell, P; Benson, TM; Nerukh, A; Effective and flexible analysis for propagation in time varying waveguides; OPTICAL AND QUANTUM ELECTRONICS; 2004 36 10.1023/B:OQEL.0000015635.26031.73
				15. Nerukh AG, Sherbatko IV, Zuev NG. Electromagnetic problem with time depending parameter approximated by stepped function. In: Trans Black Sea Region Symposium on Applied Electromagnetism [Internet]; 19961996 Available from: www.scopus.com	Nerukh, A; Benson, T; Sakhnenko, N; Sewell, P; Non-Stationary Electromagnetics; NON-STATIONARY ELECTROMAGNETICS; 2013
				16. Nerukh A, Sherbatko I, Tyzhnenko A. Evolution of an electromagnetic wave penetration into half-bounded plasma in a waveguide. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 19961996. p. 207-10. Available from: www.scopus.com	Nerukh, Alexander G.; Sakhnenko, Nataliya K.; Formation of Point-Source Image by Time Change of the Medium; IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS; 2009 15 10.1109/JSTQE.2009.2015961
				17. Kalugin ON, Nerukh DA, Eremenko SA, Van'kevich AV, Nerukh AG. Dynamics of acetonitrile molecules in its electrolyte solutions by raman spectroscopy. Zh Neorg Khim [Internet]. 1996;41(2):261-71. Available from: www.scopus.com	Sakhnenko, Nataliya K.; Nerukh, Alexander G.; Benson, Trevor M.; Sewell, Phillip; Whispering gallery mode transformation in a switched micro-cavity with concentric ring geometry; OPTICAL AND QUANTUM

					ELECTRONICS; 2008 40 10.1007/s11082-009-9291-4
				18. Nerukh AG, Scherbatko IV, Nerukh DA. Using evolutionary recursion to solve an electromagnetic problem with time-varying parameters. Microwave Opt Technol Lett [Internet]. 1997;14(1):31-6. Available from: www.scopus.com	Sakhnenko, Nataliya; Nerukh, Alexander; Benson, Trevor; Sewell, Phillip; Investigation of 2-D electromagnetic transients in a circular cylinder with time discontinuity in permittivity via the resolvent method; OPTICAL AND QUANTUM ELECTRONICS; 2007 39 10.1007/s11082-007-9130-4
				19. Vorgul IY, Nerukh AG. Inverse problem for medium with transient conductivity. Microwave Opt Technol Lett [Internet]. 1998;19(3):192-6. Available from: www.scopus.com	Nerukh, AG; Fedotov, FV; Benson, TM; Sewell, P; Analytic-numerical approach to non-linear problems in dielectric waveguides; OPTICAL AND QUANTUM ELECTRONICS; 2004 36 10.1023/B:OQEL.0000015631.53738.6f
				20. Nerukh AG, Khizhnyak NA. Enhanced reflection of an electromagnetic wave from a plasma cluster moving in a waveguide. Microwave Opt Technol Lett [Internet]. 1998;17(4):267-73. Available from: www.scopus.com	Nerukh, AG; Khizhnyak, NA; Enhanced reflection of an electromagnetic wave from a plasma cluster moving in a waveguide; MICROWAVE AND OPTICAL TECHNOLOGY LETTERS; 1998 17
				21. Scherbatko I, Nerukh A, Iezekiel S. Terahertz double-Doppler wavelength shifting of infrared optical pulses in excited semiconductor medium. In: 1998 IEEE 6th International Conference on Terahertz Electronics, THz 1998 - Proceedings [Internet]; 1998:209-4. Available from: www.scopus.com DOI: 10.1109/THZ.1998.731731	NERUKH, AG; KHIZHNYA.NA; MAXWELL INTEGRAL-EQUATIONS FOR WAVE SCATTERING PROBLEMS ON MOVING MEDIA; ZHURNAL TEKHNICHESKOI FIZIKI; 1973 43

			22. Nerukh AG, Scherbatko IV, Rybin ON. The direct numerical calculation of an integral volterra equation for an electromagnetic signal in a time-varying dissipative medium. J Electromagn Waves Appl [Internet]. 1998;12(2):163-76. Available from: www.scopus.com	Buts, V. A.; Nerukh, A. G.; Ruzhytska, N. N.; Nerukh, D. A.; Wave chaotic behaviour generated by linear systems; OPTICAL AND QUANTUM ELECTRONICS; 2008 40 10.1007/s11082-008-9247-0
			23. Rybin O, Nerukh A. Transient electromagnetic field in a dissipative medium with rectangular pulse modulated parameters. Math Methods Electromag Theory MMET Conf Proc [Internet]. 1998;1:336-8. Available from: www.scopus.com	NERUKH, AG; KHIZHNYAK, NA; WAVE SCATTERING AT UNIFORMLY ACCELERATED MOVEMENT OF INTERFACE; ZHURNAL TEKHNICHESKOI FIZIKI; 1979 49
			24. Vorgul IY, Nerukh AG. Inhomogeneous transient conductive half-space: Reconstruction of conductivity time-dependence by scattered field. Math Methods Electromag Theory MMET Conf Proc [Internet]. 1998;1:148-50. Available from: www.scopus.com	Nerukh, AG; Fresnel's formulas in time domain; IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION; 2004 52 10.1109/TAP.2004.834451
			25. Scherbatko IV, Nerukh AG. Time-domain numerical simulation of EM pulse propagation through a time-varying slab. Math Methods Electromag Theory MMET Conf Proc [Internet]. 1998;1:309-11. Available from: www.scopus.com	Yemelyanov, KM; Fedotov, FV; Nerukh, AG; Numerical simulations of electromagnetic transients in nonstationary plasma layers; ICTON 2001: 3RD INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, CONFERENCE PROCEEDINGS; 2001 10.1109/ICTON.2001.934756
			26. Yemelyanov KM, Nerukh AG. Numerical calculation of the volterra integral equation for a time - Varying medium. In: IEEE Antennas and Propagation Society International Symposium: Wireless Technologies and Information Networks, APS 1999 - Held in conjunction with USNC/URSI National Radio Science Meeting [Internet]; 19991999. p. 2026-9. Available from: www.scopus.com DOI: 10.1109/APS.1999.788359	NERUKH, AG; ELECTROMAGNETIC-WAVES IN THE DIELECTRIC LAYER WITH TIME-DEPENDENT PARAMETERS; ZHURNAL TEKHNICHESKOI FIZIKI; 1987 57

			27. Scherbatko I, Nerukh A, Yemelyanov K. Simulation of infrared Doppler wavelength conversion in semiconductor layers. In: International Conference on Transparent Optical Networks [Internet]; 1999. p. 151-5. Available from: www.scopus.com DOI: 10.1109/ICTON.1999.781872	NERUKH, AG; KHIZHNYAK, NA; ENERGY RELATIONS IN THE INTERACTION OF ELECTROMAGNETIC-WAVES WITH A MOVING PLASMA CLUSTER IN THE WAVEGUIDE; IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII RADIOFIZIKA; 1983 26
			28. Nerukh AG, Scherbatko IV, Marciniak M. Transients in parametric phenomena of macroscopic electrodynamics. In: International Conference on Transparent Optical Networks [Internet]; 1999. p. 143-9. Available from: www.scopus.com DOI: 10.1109/ICTON.1999.781870	Nerukh, Alexander G.; Nerukh, Dmitry A.; Time-spatial drift of decelerating electromagnetic pulses; OPTICS EXPRESS; 2013 21 10.1364/OE.21.017366
			29. Nerukh AG, Rybin ON, Shcherbatko IV. Effect of pulsed excitation of a bounded medium on a plane electromagnetic wave. Tech Phys [Internet]. 1999;44(8):945-53. Available from: www.scopus.com	Sakhnenko, Nataliya K.; Stogniy, Nadiya P.; Nerukh, Alexander G.; Near-Field Pattern Images of a Cylindrical Plasma Column; IEEE TRANSACTIONS ON PLASMA SCIENCE; 2011 39 10.1109/TPS.2011.2151259
			30. Nerukh AG. Intermittency of electromagnetic waves in a regular time-varying medium. J Phys D [Internet]. 1999;32(16):2006-13. Available from: www.scopus.com	Nerukh, A.; Remyeva, T.; Sakhnenko, N.; Frequency change of partial spherical waves induced by time change of medium permittivity; OPTICAL AND QUANTUM ELECTRONICS; 2009 41 10.1007/s11082-009-9338-6
			31. Nerukh A. Electromagnetic pulse generation when inhomogeneity collapses. In: Digest of Technical Papers-IEEE International Pulsed Power Conference [Internet]; 1999. p. 841-4. Available from: www.scopus.com	Porti, JA; Salinas, A; Morente, JA; Rodriguez-Sola, M; Nerukh, AG; Time-varying electromagnetic-media modelling with TLM method; ELECTRONICS LETTERS; 2003 39 10.1049/el:20030390

			32. Nerukh A, Scherbatko I. Ultrashort optical pulse wavelength conversion by moving grating of refractive index in semiconductor. In: Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting- LEOS [Internet]; 19991999. p. 898-9. Available from: www.scopus.com	Nerukh, AG; Electromagnetic pulse generation when inhomogeneity collapses; IEEE TRANSACTIONS ON PLASMA SCIENCE; 2000 28 10.1109/27.901247
			33. Nerukh A, Scherbatko I. Control of electromagnetic wave by modulation of medium parameters by finite packet pulses. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 19991999. p. 640-7. Available from: www.scopus.com	Nerukh, AG; Rybin, ON; Shcherbatko, IV; Effect of pulsed excitation of a bounded medium on a plane electromagnetic wave; TECHNICAL PHYSICS; 1999 44 10.1134/1.1259411
			34. Nerukh AG. Time-domain Fresnel's formulas for a plane interface between media. In: International Conference on Mathematical Methods in Electromagnetic Theory, MMET [Internet]; 20002000. p. 146-8. Available from: www.scopus.com DOI: 10.1109/MMET.2000.888530	Kalugin, ON; Nerukh, DA; Eremenko, SA; Vankevich, AV; Nerukh, AG; Dynamics of acetonitrile molecules in its electrolyte solutions by Raman spectroscopy; ZHURNAL NEORGANICHESKOI KHIMII; 1996 41
			35. Nerukh AG, Yemelyanov KM. An electromagnetic signal propagation in a transient magnetized plasma with a time-varying external magnetic field. In: International Conference on Mathematical Methods in Electromagnetic Theory, MMET [Internet]; 20002000. p. 158-60. Available from: www.scopus.com DOI: 10.1109/MMET.2000.888534	NERUKH, AG; REFOCUSING OF ELECTROMAGNETIC-RADIATION BY PLANAR BOUNDARY OF NONSTATIONARY DIELECTRIC; PISMA V ZHURNAL TEKHNICHESKOI FIZIKI; 1992 18
			36. Nerukh A, Yemelyanov K. Incidence of electromagnetic wave on a flat plasma layer. IEEE Int Conf Plasma Sci [Internet]. 2000:158. Available from: www.scopus.com	NERUKH, AG; SCATTERING OF ELECTROMAGNETIC-WAVES BY THE PLASMA HALF-SPACE AFTER ITS MOVEMENT INITIATED; ZHURNAL TEKHNICHESKOI FIZIKI; 1984 54

			37. Sakhnenko N, Nerukh A, Fedotov F. Transients of an axial symmetric electromagnetic source in a flat waveguide with a time varying plasma. In: International Conference on Mathematical Methods in Electromagnetic Theory, MMET [Internet]; 20002000. p. 111-3. Available from: www.scopus.com DOI: 10.1109/MMET.2000.888516	NERUKH, AG; KHIZHNYAK, NA; BOUNDARY MOVEMENT OF 2 DIELECTRICS IN A WAVEGUIDE; ZHURNAL TEKHNICHESKOI FIZIKI; 1976 46
			38. Nerukh AG, Scherbatko IV, Marciniak M. Reflection and transmission of a light on a dielectric boundary in a time domain. In: International Conference on Transparent Optical Networks [Internet]; 20002000. p. 49-52. Available from: www.scopus.com DOI: 10.1109/ICTON.2000.874112	Nerukh, A.; Semenova, H.; Sakhnenko, N.; Alternative calculations of initial value problem for electromagnetic field in dielectric waveguide; OPTICAL AND QUANTUM ELECTRONICS; 2008 40 10.1007/s11082-009-9297-y
			39. Nerukh AG, Sakhnenko NK, Scherbatko IV. Axial symmetric electromagnetic pulse excitation in a flat waveguide with a time-varying plasma. In: International Conference on Transparent Optical Networks [Internet]; 20002000. p. 31-4. Available from: www.scopus.com DOI: 10.1109/ICTON.2000.874107	Kukhtin, Mykhail P.; Kocherzhin, Alexandr I.; Lisetsk, Longin N.; Nerukh, Alexandr G.; Fedoryako, Alexandr P.; Kukhtina, Nina N.; Electrophysical properties of nematic liquid crystals under stationary and microwave electric and magnetic fields; 2007 6TH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, PROCEEDINGS; 2007 10.1109/ICATT.2007.4425147
			40. Scherbatko IV, Nerukh AG, Lezekiel S. Simulation of terahertz doppler wavelength shifting of infrared optical pulses in an active semiconductor layer. IEEE Trans Microwave Theory Tech [Internet]. 2000;48:725-32. Available from: www.scopus.com	Benson, TM; Sewell, P; Boriskina, SV; Janyani, V; Al-Jarro, A; Vukovic, A; Sakhnenko, N; Smotrova, EI; Nosich, AI; Nerukh, AG; Microcavities: An inspiration for advanced modelling techniques; 2005 7TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, VOL 2, PROCEEDINGS; 2005

			41. Nerukh AG. Electromagnetic pulse generation when inhomogeneity collapses. IEEE Trans Plasma Sci [Internet]. 2000;28(5):1637-41. Available from: www.scopus.com	Sakhnenko, N; Nerukh, A; Ruzhitskaya, N; Transformation of radiation by appearance of a cylindrical plasma inclusion in a waveguide; ICTON 2002: 4TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS AND EUROPEAN SYMPOSIUM ON PHOTONIC CRYSTALS, VOL 2; 2002
			42. Nerukh AG. Electromagnetic pulse generation when inhomogeneity collapses. IEEE Trans Plasma Sci [Internet]. 2000;28(5):1631-6. Available from: www.scopus.com	Scherbatko, IV; Nerukh, AG; Iezekiel, S; Simulation of terahertz Doppler wavelength shifting of infrared optical pulses in an active semiconductor layer; IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES; 2000 48 10.1109/22.841965
			43. Nerukh A, Sakhnenko N. Time domain expression for an electromagnetic field in a flat waveguide at a creation of a plasma. In: IEEE Antennas and Propagation Society, AP-S International Symposium (Digest) [Internet]; 20002000. p. 2066-9. Available from: www.scopus.com	Vorgul, IY; Nerukh, AG; Inverse problem for medium with transient conductivity; MICROWAVE AND OPTICAL TECHNOLOGY LETTERS; 1998 19 10.1002/(SICI)1098-2760(19981020)19:3<192::AID-MOP6>3.3.CO;2-Y
			44. Nerukh AG, Yemelyanov KM, Fedotov FV. Numerical modeling of electromagnetic signal propagation in a time-varying medium. In: IEEE Antennas and Propagation Society, AP-S International Symposium (Digest) [Internet]; 20002000. p. 2103-6. Available from: www.scopus.com	Rybin, O; Nerukh, A; Transient electromagnetic field in a dissipative medium with rectangular pulse modulated parameters; 1998 INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, VOLS 1 AND 2; 1998
			45. Sakhnenko N, Nerukh A. Electromagnetic field transformation caused by the plasma appearance in a flat waveguide. In: 4th International Kharkov Symposium "Physics and Engineering of Millimeter and Sub-	NERUKH, AG; SHAVORYKINA, IY; CLEAVAGE OF ELECTROMAGNETIC PULSE UNDER THE LEAP OF LIMITED MEDIUM CONDUCTIVITY; ZHURNAL

			Millimeter Waves", MSMW 2001 - Symposium Proceedings [Internet]; 20012001. p. 864-6. Available from: www.scopus.com DOI: 10.1109/MSMW.2001.947338	TEKHNICHESKOI FIZIKI; 1992 62
			46. Nerukh AG, Fedotov FV, Scherbatko IV. Comparison of the FDTD and direct-integrating algorithms for solution of the one-dimensional nonstationary electrodynamic problem. In: 4th International Kharkov Symposium "Physics and Engineering of Millimeter and Sub-Millimeter Waves", MSMW 2001 - Symposium Proceedings [Internet]; 20012001. p. 157-9. Available from: www.scopus.com DOI: 10.1109/MSMW.2001.946766	KARABUTOV, YN; NERUKH, AG; THE QUESTION OF MOVING BOUNDARY THICKNESS INFLUENCE ON THE EFFECTIVENESS OF ELECTROMAGNETIC-WAVE REFLECTION; IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII RADIOFIZIKA; 1986 29
			47. Nerukh AG, Sakhnenko NK, Marciniak M. Penetration of electromagnetic signals into transparent inhomogeneous time-varying medium. In: International Conference on Transparent Optical Networks [Internet]; 20012001. p. 357-60. Available from: www.scopus.com DOI: 10.1109/ICTON.2001.934790	SHPAGIN, YV; MARTYNYENKO, LG; NERUKH, AG; THERMAL CONDITIONS OF THE METAL PLATE IN WAVEGUIDES; ZHURNAL TEKHNICHESKOI FIZIKI; 1985 55
			48. Yemelyanov KM, Fedotov FV, Nerukh AG. Numerical simulations of electromagnetic transients in nonstationary plasma layers. In: International Conference on Transparent Optical Networks [Internet]; 20012001. p. 226-9. Available from: www.scopus.com DOI: 10.1109/ICTON.2001.934756	NERUKH, AG; KHIZHNYA.NA; RESONANCE PROPERTIES OF PULSATING DIELECTRIC SPHERE; ZHURNAL TEKHNICHESKOI FIZIKI; 1974 44
			49. Scherbatko IV, Nerukh AG. Generation of far-infrared radiation in a frozen-wave photoswitched semiconductor structure. Microwave Opt Technol Lett [Internet]. 2001;31(4):277-82. Available from: www.scopus.com	Nerukh, A.; Kuryzheva, O.; Benson, T.; Time-spatial structure of airy pulse in non-stationary environment; OPTICAL AND QUANTUM ELECTRONICS; 2018 50 10.1007/s11082-017-1295-x

			50. Nerukh AG, Benson T. Integral equations for electromagnetic field in time-varying dielectric waveguide. In: International Conference on Transparent Optical Networks [Internet]; 20022002. p. 165-70. Available from: www.scopus.com DOI: 10.1109/ICTON.2002.1009537	Nerukh, A.; Zolotariov, D.; Kuryzheva, O.; Benson, T.; Dynamics of decelerating pulses at a dielectric layer; OPTICAL AND QUANTUM ELECTRONICS; 2016 48 10.1007/s11082-016-0386-4
			51. Sakhnenko N, Nerukh A. Investigation of electromagnetic field in a plate-parallel waveguide with time varying medium. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20022002. p. 207-9. Available from: www.scopus.com DOI: 10.1109/MMET.2002.1106863	Kuryzheva, O. V.; Nerukh, A. G.; Evolution of an Airy pulse energy flow induced by a dielectric plane boundary; 2016 IEEE 7TH INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS (CAOL); 2016
			52. Nerukh A, Benson T. Integral equations in time domain for electromagnetic fields of waveguide structures. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20022002. p. 198-200. Available from: www.scopus.com DOI: 10.1109/MMET.2002.1106860	Kuryzeva, O. V.; Tkach, A. D.; Nerukh, A. G.; Implementation of the Extinction Theorem in a Problem of Airy Pulse Scattering by a Dielectric Layer; 2016 8TH INTERNATIONAL CONFERENCE ON ULTRAWIDEBAND AND ULTRASHORT IMPULSE SIGNALS (UWBUSIS); 2016
			53. Ruzhytska NN, Nerukh AG, Nerukh DA. Calculation of complexity of a pulse transformation in time-varying medium. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20022002. p. 204-6. Available from: www.scopus.com DOI: 10.1109/MMET.2002.1106862	Kuryzheva, O.; Tkach, A.; Nerukh, A.; Spectral Features of a Dielectric Layer in Paraxial Approximation; 2016 9TH INTERNATIONAL KHARKIV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES (MSMW); 2016
			54. Sakhnenko N, Nerukh A, Ruzhitskaya N. Transformation of radiation by appearance of a cylindrical plasma inclusion in a waveguide. In: International Conference on Transparent Optical Networks [Internet]; 20022002. p. 108-11. Available	Kuryzheva, O. V.; Nerukh, A. G.; Changing of an Airy Pulse Form due to Re-Reflections Inside a Dielectric Layer; 2016 II INTERNATIONAL YOUNG SCIENTISTS FORUM ON APPLIED PHYSICS AND

			from: www.scopus.com DOI: 10.1109/ICTON.2002.1007865		ENGINEERING (YSF); 2016
			55. Fedotov FV, Nerukh AG, Benson T, Sewell P. Solution of non-stationary electrodynamics boundary value problem by FDTD and Volterra integral equation methods. In: International Conference on Transparent Optical Networks [Internet]; 20022002. p. 180-3. Available from: www.scopus.com DOI: 10.1109/ICTON.2002.1009540		Nerukh, A.; Zolotariov, D.; Benson, T.; The approximating functions method for nonlinear Volterra integral equations; OPTICAL AND QUANTUM ELECTRONICS; 2015 47 10.1007/s11082-015-0141-2
			56. Scherbatko IV, Nerukh AG, Iezekiel S. Enhanced grid scheme for one-dimensional integro-differential volterra equation in the time domain. IEEE Trans Antennas Propag [Internet]. 2002;50(4):492-9. Available from: www.scopus.com		Nerukh, A. G.; Zolotariov, D. A.; Kuryzheva, O. V.; RADIATION OF ACCELERATING PULSES WITH SPECIFIED ENVELOPES; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
			57. Sakhnenko N, Nerukh A. The transient axially symmetric waves transformation caused by plasma creation in a flat waveguide. In: IEEE Antennas and Propagation Society, AP-S International Symposium (Digest) [Internet]; 20022002. p. 456-9. Available from: www.scopus.com		Kuryzheva, O., V; Nerukh, A. G.; Nonparaxial Airy Pulses at a Dielectric Layer; 2015 INTERNATIONAL YOUNG SCIENTISTS FORUM ON APPLIED PHYSICS (YSF); 2015
			58. Yemelyanov KM, Nerukh AG. Irregular scattering of electromagnetic signals in a regular time-varying medium. Telecommun Radio Eng [Internet]. 2002;57(5):7-11. Available from: www.scopus.com		Zolotariov, D.; Nerukh, A.; Transformation of Gaussian-like pulses by a nonlinear dielectric layer; 2013 EUROPEAN MICROWAVE CONFERENCE (EUMC); 2013
			59. Sakhnenko N, Nerukh A. Penetration of electromagnetic wave into time-varying plasma cylinder. In: Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL [Internet]; 20032003. p. 218-20. Available from:		Nerukh, Alexander; Sakhnenko, Nataliya; Benson, Trevor; Sewell, Phillip; NON-STATIONARY ELECTROMAGNETICS Introduction; NON-STATIONARY ELECTROMAGNETICS; 2013

				www.scopus.com DOI: 10.1109/CAOL.2003.1250562	
				60. Ruzhytska N, Nerukh A, Nerukh D. Changing of electromagnetic signal complexity in modulated medium. In: International Conference on Transparent Optical Networks [Internet]; 20032003. p. 311-4. Available from: www.scopus.com DOI: 10.1109/ICTON.2003.1264642	Nerukh, Alexander; Sakhnenko, Nataliya; Benson, Trevor; Sewell, Phillip; Initial and Boundary Value Electromagnetic Problems in a Time-Varying Medium; NON-STATIONARY ELECTROMAGNETICS; 2013
				61. Ruzhytska N, Nerukh A, Nerukh D. Complexity of optical pulses in modulated medium. In: Proceedings of LFNM 2003 - 5th International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20032003. p. 116-8. Available from: www.scopus.com DOI: 10.1109/LFNM.2003.1246094	Nerukh, Alexander; Sakhnenko, Nataliya; Benson, Trevor; Sewell, Phillip; NON-STATIONARY ELECTROMAGNETICS Preface; NON-STATIONARY ELECTROMAGNETICS; 2013
				62. Nerukh G, Fedotov FV, Benson TM, Sewell P. Numerical solution to nonlinear problems in dielectric waveguides via resolvent method. In: Proceedings of LFNM 2003 - 5th International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20032003. p. 173-5. Available from: www.scopus.com DOI: 10.1109/LFNM.2003.1246116	Nerukh, Alexander; Sakhnenko, Nataliya; Benson, Trevor; Sewell, Phillip; Transformation of an Electromagnetic Field in an Unbounded Medium with Time-Varying Parameters; NON-STATIONARY ELECTROMAGNETICS; 2013
				63. Fedotov FV, Nerukh AG, Benson TM, Sewell P. Investigation of electromagnetic field in a layer with time-varying medium by volterra integral equation method. J Lightwave Technol [Internet]. 2003;21(1):305-14. Available from: www.scopus.com	Nerukh, Alexander; Sakhnenko, Nataliya; Benson, Trevor; Sewell, Phillip; Influence of Medium Plane Boundaries on Electromagnetic Transients; NON-STATIONARY ELECTROMAGNETICS; 2013
				64. Ruzhitskaya NN, Nerukh AG, Nerukh D. Accurate modelling of pulse transformation by adjustable-in-time medium parameters. Opt Quantum Electron [Internet]. 2003;35(4-5):347-64. Available from: www.scopus.com	Nerukh, Alexander; Sakhnenko, Nataliya; Benson, Trevor; Sewell, Phillip; Non-Stationary Behaviour of Electromagnetic Waves Caused by the Movement of a Medium

					Boundary; NON-STATIONARY ELECTROMAGNETICS; 2013
				65. Portí JA, Salinas A, Morente JA, Rodríguez-Sola M, Nerukh AG. Time-varying electromagnetic-media modelling with TLM method. Electron Lett [Internet]. 2003;39(6):505-7. Available from: www.scopus.com	Nerukh, Alexander; Sakhnenko, Nataliya; Benson, Trevor; Sewell, Phillip; An Electromagnetic Field in a Metallic Waveguide with a Moving Medium; NON-STATIONARY ELECTROMAGNETICS; 2013
				66. Nerukh AG. Fresnel formulae in the time domain. Telecommun Radio Eng [Internet]. 2003;59(7-9):33-41. Available from: www.scopus.com	Nerukh, Alexander; Sakhnenko, Nataliya; Benson, Trevor; Sewell, Phillip; Interaction of an Electromagnetic Wave with a Plasma Bunch Moving in a Metallic Waveguide; NON-STATIONARY ELECTROMAGNETICS; 2013
				67. Nerukh AG, Fedotov FV, Benson TM, Sewell P. Analytic-numerical approach to non-linear problems in dielectric waveguides. Opt Quantum Electron [Internet]. 2004;36(1-3):67-85. Available from: www.scopus.com	Nerukh, Alexander; Sakhnenko, Nataliya; Benson, Trevor; Sewell, Phillip; Non-Stationary Electromagnetic Processes in Time-Varying Dielectric Waveguides; NON-STATIONARY ELECTROMAGNETICS; 2013
				68. Al-Jarro A, Sewell P, Benson TM, Nerukh A. Effective and flexible analysis for propagation in time varying waveguides. Opt Quantum Electron [Internet]. 2004;36(1-3):133-44. Available from: www.scopus.com	Nerukh, Alexander; Sakhnenko, Nataliya; Benson, Trevor; Sewell, Phillip; Electromagnetic Transients in Microcavities with Time-Varying Material Properties; NON-STATIONARY ELECTROMAGNETICS; 2013
				69. Nerukh AG, Sewell P, Benson TM. Volterra integral equations for nonstationary electromagnetic processes in time-varying dielectric waveguides. J Lightwave Technol [Internet]. 2004;22(5):1408-19. Available from: www.scopus.com	Nerukh, Alexander; Sakhnenko, Nataliya; Benson, Trevor; Sewell, Phillip; Taking into Account Solutions of a Homogeneous Equation in the Intermediate Evolution Stage; NON-STATIONARY ELECTROMAGNETICS;

					2013
				70. Nerukh AG. Fresnel's formulas in time domain. IEEE Trans Antennas Propag [Internet]. 2004;52(10):2735-41. Available from: www.scopus.com	Sakhnenko, Nataliya K.; Chipouline, Arkadi; Schmidt, Carsten; Nerukh, Alexander G.; Pertsch, Thomas; Modeling of transient dynamics in two-dimensional circular microresonators using the pulsed complex source point beam concept; JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION; 2012 29 10.1364/JOSAA.29.002197
				71. Ruzhytska N, Nerukh A, Nerukh D. Sharpening of the signal spectrum with the change of its complexity. In: Proceedings of 2004 6th International Conference on Transparent Optical Networks [Internet]; 20042004. p. 181-4. Available from: www.scopus.com	Nerukh, Alexander G.; Zolotariov, D. A.; Nerukh, D. A.; Georgiev, Georgi N.; Green's Function for Paraxial Equation; PIERS 2012 MOSCOW: PROGRESS IN ELECTROMAGNETICS RESEARCH SYMPOSIUM; 2012
				72. Nerukh AG, Benson TM, Sewell P. Influence on electromagnetic field of both time-varying medium in waveguide and its boundaries. In: Proceedings of 2004 6th International Conference on Transparent Optical Networks [Internet]; 20042004. p. 156-60. Available from: www.scopus.com	Nerukh, A.; Zolotariov, D.; Nerukh, D.; Interaction of Time-Varying Airy Pulses with a Layer; 2012 42ND EUROPEAN MICROWAVE CONFERENCE (EUMC); 2012
				73. Zhilkov S, Nerukh A, Sakhnenko N, Aleksandrova E. Inverse diffraction problem for the non-stationary layered plasma formations and their characterization by pulsed THz-wave beam. In: IEEE International Conference on Plasma Science [Internet]; 20042004. p. 403. Available from: www.scopus.com	Nerukh, A.; Zolotariov, D.; Nerukh, D.; Interaction of Time-Varying Airy Pulses with a Layer; 2012 7TH EUROPEAN MICROWAVE INTEGRATED CIRCUITS CONFERENCE (EUMIC); 2012

			74. Benson TM, Sewell P, Boriskina SV, Janyani V, Al-Jarro A, Vukovic A, Sakhnenko N, Smotrova EI, Nosich AI, Nerukh AG. Microcavities: An inspiration for advanced modelling techniques. In: Proceedings of 2005 7th International Conference on Transparent Optical Networks, ICTON 2005 [Internet]; 20052005. p. 272-5. Available from: www.scopus.com DOI: 10.1109/ICTON.2005.1506151	Sakhnenko, N. K.; Chipouline, A.; Nerukh, A. G.; Stognii, N. P.; Pertsch, T.; MODELLING OF TRANSIENT PLASMONS DYNAMICS IN METALLIC CYLINDERS; 2012 INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY (MMET); 2012
			75. Brownell JH, Nerukh AG, Sakhnenko NK, Zhilkov SV, Aleksandrova AA. Terahertz sensing of non-equilibrium microplasmas. J Phys D [Internet]. 2005;38(11):1658-64. Available from: www.scopus.com	Nerukh, A.; Zolotariov, D.; GREEN'S FUNCTION FOR PARAXIAL EQUATION IN TIME DOMAIN; 2012 INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY (MMET); 2012
			76. Nerukh AG. Change of light colour by a layer with moving boundaries. In: Proceedings of 2005 7th International Conference on Transparent Optical Networks, ICTON 2005 [Internet]; 20052005. p. 282-4. Available from: www.scopus.com DOI: 10.1109/ICTON.2005.1506153	Nerukh, A.; Zolotariov, D.; Nerukh, D.; Benson, T.; Reflection of a Spatial-Temporal Airy Pulse from a Layer; 2012 14TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS (ICTON 2012); 2012
			77. Ruzhytska NN, Nerukh AG, Nerukh DA. Radiation transformation in time-varying medium. In: 5th International Conference on Antenna Theory and Techniques, 2005 [Internet]; 20052005. p. 149-51. Available from: www.scopus.com DOI: 10.1109/ICATT.2005.1496907	Sakhnenko, Nataliya; Nerukh, Alexander; Linear Chain of Coupled Resonators with Time Discontinuity in Permittivity; 2010 12TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS (ICTON); 2011
			78. Sakhnenko N, Benson T, Sewell P, Nerukh A. Effects of the refractive index time variations on 2D circular resonator modes. In: Proceedings of CAOL 2005: 2nd International Conference on Advanced Optoelectronics and Lasers [Internet]; 20052005. p. 156-9. Available from: www.scopus.com DOI:	Kukhtin, Mykhail; Machekhin, Yury; Chernyakov, Eduard; Nerukh, Alexandr; Lisetski, Longin; Cocherzhin, Alexandr; Tuning of Resonator by Control of Nematic Liquid Crystal Properties; 2010 12TH INTERNATIONAL CONFERENCE ON

			10.1109/CAOL.2005.1553945	TRANSPARENT OPTICAL NETWORKS (ICTON); 2011
			79. Sakhnenko N, Benson T, Sewell P, Nerukh A. Transient inclusions in circular dielectric resonators. In: Proceedings of 2005 7th International Conference on Transparent Optical Networks, ICTON 2005 [Internet]; 20052005. p. 333-6. Available from: www.scopus.com DOI: 10.1109/ICTON.2005.1506166	Nerukh, A.; Zolotariov, D.; Nerukh, D.; Time-Varying Airy Pulses; 2011 13TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS (ICTON); 2011
			80. Benson TM, Boriskina SV, Sewell P, Vukovic A, Nosich AI, Janyani V, Al-Jarro A, Sakhnenko N, Smotrova EI, Nerukh AG. Micro-resonators: Simulation and application. In: Proceedings of CAOL 2005: 2nd International Conference on Advanced Optoelectronics and Lasers [Internet]; 20052005. p. 6-11. Available from: www.scopus.com DOI: 10.1109/CAOL.2005.1553803	Stogniy, Nadiya; Sakhnenko, Nataliya; Nerukh, Alexander; Plasmon Resonances in Linear Array of Coupled Silver Nanowires; 2011 13TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS (ICTON); 2011
			81. Sakhnenko N, Benson TM, Sewell P, Nerukh A. Transient transformation of whispering gallery resonator modes due to time variations in dielectric permittivity. Opt Quantum Electron [Internet]. 2006;38(1-3 SPEC. ISS.):71-81. Available from: www.scopus.com	Sakhnenko, Nataliya; Nerukh, Alexander; Accurate Analysis of Transient Processes in Coupled WGM Microcavities with Time Varying Refractive Index; FOURTH INTERNATIONAL WORKSHOP ON THEORETICAL AND COMPUTATIONAL NANOPHOTONICS (TACONAPHOTONICS 2011); 2011 1398 10.1063/1.3644248
			82. Nerukh AG. Formation of ultrashort pulses by a layer with moving boundaries. In: UWBUSIS 2006 - 2006 3rd International Conference on Ultrawideband and Ultrashort Impulse Signals, Proceedings [Internet]; 20062006. p. 282-4. Available from: www.scopus.com	Sakhnenko, Nataliya; Nerukh, Alexander; Frequency Shift in a Single Dielectric Resonator and in a Chain of Coupled Resonators due to Time Change in Permittivity; 2010 ASIA-PACIFIC MICROWAVE

			DOI: 10.1109/UWBUS.2006.307230	CONFERENCE; 2010
			83. Nerukh A, Yeliseyev S. Focusing of point source waves by plane boundary of newly created plasma. In: 2006 International Conference on Transparent Optical Networks [Internet]; 20062006. p. 154-5. Available from: www.scopus.com DOI: 10.1109/ICTON.2006.248524	Nerukh, A.; Sakhnenko, N.; Remayeva, T.; Scattering of Transformed Frequency on Partial Spherical Waves Induced by Time Change of the Medium; ICTON: 2009 11TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, VOLS 1 AND 2; 2009
			84. Sakhnenko N, Nerukh A. Comparison of frequency transformation in time-varying dielectric plane waveguide and circular resonator. In: 2006 International Conference on Transparent Optical Networks [Internet]; 20062006. p. 233-4. Available from: www.scopus.com DOI: 10.1109/ICTON.2006.248381	Sakhnenko, Nataliya; Nerukh, Alexander; Cylindrical Multilayer Dielectric Waveguide with Time-Varying Material Properties; ICTON: 2009 11TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, VOLS 1 AND 2; 2009
			85. Vozianova A, Yeliseyev S, Nerukh A. Focusing of pulses by plane boundary of nonstationary medium. In: UWBUSIS 2006 - 2006 3rd International Conference on Ultrawideband and Ultrashort Impulse Signals, Proceedings [Internet]; 20062006. p. 266-8. Available from: www.scopus.com DOI: 10.1109/UWBUS.2006.307225	Nerukh, A.; Remayeva, T.; Sakhnenko, N.; Evolution of Waves Induced by Time Change of Medium Permittivity in a Sphere; THEORETICAL AND COMPUTATIONAL NANOPHOTONICS (TACONAPHOTONICS 2009); 2009 1176
			86. Sakhnenko NK, Nerukh AG, Semenova EK. Isolated 2D plasma resonator illuminated by transient source. In: UWBUSIS 2006 - 2006 3rd International Conference on Ultrawideband and Ultrashort Impulse Signals, Proceedings [Internet]; 20062006. p. 326-8. Available from: www.scopus.com DOI: 10.1109/UWBUS.2006.307245	Sakhnenko, N.; Nerukh, A.; Benson, T.; Sewell, P.; MODELLING OF TRANSIENTS IN MICROCAVITIES WITH TIME-VARYING MATERIAL PROPERTIES; 2008 INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY; 2008

					10.1109/MMET.2008.4580903
				87. Ruzhytska NN, Nerukh AG, Nerukh DA. Changing of pulse complexity in modulated dielectric medium. In: UWBUSIS 2006 - 2006 3rd International Conference on Ultrawideband and Ultrashort Impulse Signals, Proceedings [Internet]; 20062006. p. 263-5. Available from: www.scopus.com DOI: 10.1109/UWBUS.2006.307224	Nerukh, A.; Semenova, H.; Sakhnenko, N.; TWO WAYS FOR CALCULATION OF FIELD EVOLUTION IN DIELECTRIC WAVEGUIDE: VIA BRILLOUIN- OR EIGEN-WAVES; 2008 INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY; 2008 10.1109/MMET.2008.4580966
				88. Nerukh A, Ruzhytska N, Nerukh D. Quasi-intermittency of waves and their complexity in modulated dielectric medium. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20062006. p. 488-90. Available from: www.scopus.com	Nerukh, Alexander; Semenova, Helen; Sakhnenko, Nataliya; Calculation of field evolution in dielectric waveguide by progressive and oscillatory approaches; ICTON 2008: PROCEEDINGS OF 2008 10TH ANNIVERSARY INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, VOL 1; 2008 10.1109/ICTON.2008.4598422
				89. Sakhnenko N, Nerukh A, Semenova E. WGM resonator illuminated by temporally switched internal source. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20062006. p. 491-3. Available from: www.scopus.com	Sakhnenko, Nataliya; Nerukh, Alexander; Benson, Trevor; Sewell, Phillip; Optical coupling of two microcavities with time-varying properties; ICTON 2008: PROCEEDINGS OF 2008 10TH ANNIVERSARY INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, VOL 4; 2008 10.1109/ICTON.2008.4598719

			90. Sakhnenko N, Nerukh A, Semenova E. Transient response of circular waveguide modes on refractive index change in core. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20062006. p. 608-10. Available from: www.scopus.com	Sakhnenko, Nataliya; Nerukh, Alexander; Benson, Trevor; Sewell, Phillip; OPTICAL COUPLING OF TWO MICROCAVITIES WITH TIME DISCONTINUITY IN PERMITTIVITY; LFNM 2008: PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON LASER AND FIBER-OPTICAL NETWORK MODELING; 2008 10.1109/LFNM.2008.4670378
			91. Nerukh A, Ruzhytska N, Nerukh D. Complexity and "quasi-intermittency" of electromagnetic waves in regular time-varying medium. In: 2006 International Conference on Transparent Optical Networks [Internet]; 20062006. p. 242-5. Available from: www.scopus.com DOI: 10.1109/ICTON.2006.248227	Vozianova, A.; Nerukh, A.; Resolvent operator of Maxwell equations for 6-dimensional field vector; 2007 6TH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, PROCEEDINGS; 2007 10.1109/ICATT.2007.4425152
			92. Vozianova A, Ruzhytska S, Yeliseyev S, Nerukh A. Initial-value problem for Maxwell equations in plasma half-space with plane boundary. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20062006. p. 449-51. Available from: www.scopus.com	Kukhtin, M. P.; Kocherzhyn, A. I.; Panikarskaya, V. D.; Minenko, S. S.; Fedoryako, A. P.; Nerukh, A. G.; Lisetski, L. N.; Effects of electric fields on nematic liquid crystals with dispersed carbon nanotubes: conductivity and capacitance measurements; 2007 INTERNATIONAL WORKSHOP ON OPTOELECTRONIC PHYSICS AND TECHNOLOGY; 2007
			93. Bekker EV, Vukovic A, Sewell P, Benson TM, Sakhnenko NK, Nerukh AG. An assessment of coherent coupling through radiation fields in time varying slab waveguides. Opt Quantum Electron [Internet]. 2007;39(7):533-51. Available from: www.scopus.com	Nerukh, Alexander; Sakhnenko, Nataliya; Dual representation of field evolution in dielectric waveguide with time discontinuity; 2007 LOUGHBOROUGH ANTENNAS AND PROPAGATION CONFERENCE, PROCEEDINGS; 2007

			94. Sakhnenko N, Nerukh A, Sewell P, Benson T. Frequency conversion and field pattern rotation in WGM resonator with transient inclusion. Opt Quantum Electron [Internet]. 2007;39(9):761-71. Available from: www.scopus.com	Sakhnenko, Nataliya; Nerukh, Alexander; Waveguiding and resonant cylindrical structures with time-varying permittivity; ICTON 2007: PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, VOL 1; 2007 10.1109/ICTON.2007.4296082
			95. Sakhnenko N, Nerukh A, Benson T, Sewell P. Investigation of 2-D electromagnetic transients in a circular cylinder with time discontinuity in permittivity via the resolvent method. Opt Quantum Electron [Internet]. 2007;39(10-11):825-36. Available from: www.scopus.com	Sakhnenko, Nataliya; Nerukh, Alexander; Early time fields in stratified microdisk resonators with time discontinuity in permittivity; ICTON 2007: PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, VOL 4; 2007 10.1109/ICTON.2007.4296363
			96. Nerukh A, Sakhnenko N. Dual representation of field evolution in dielectric waveguide with time discontinuity. In: 2007 Loughborough Antennas and Propagation Conference, LAPC 2007 Conference Proceedings [Internet]; 2007. p. 177-80. Available from: www.scopus.com DOI: 10.1109/LAPC.2007.367460	Remayeva, T. E.; Nerukh, A. G.; COMPLEXITY OF INTEGRAL ALGORITHM FOR CALCULATION OF ELECTROMAGNETIC FIELD IN NONSTATIONARY MEDIUM; SIXTH INT KHARKOV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES/WORKSHOP ON TERAHERTZ TECHNOLOGIES, VOLS 1 AND 2; 2007 10.1109/MSMW.2007.4294659
			97. Sakhnenko N, Nerukh A. Waveguiding and resonant cylindrical structures with time-varying permittivity. In: Proceedings of 2007 9th International Conference on Transparent Optical Networks, ICTON 2007 [Internet]; 2007. p. 254-7. Available from: www.scopus.com DOI: 10.1109/ICTON.2007.4296082	Sakhnenko, Nataliya K.; Nerukh, Alexander G.; RESONANT STRATIFIED CYLINDRICAL STRUCTURES WITH TIME DISCONTINUITY IN PERMITTIVITY; SIXTH INT KHARKOV SYMPOSIUM ON PHYSICS AND ENGINEERING OF

					MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES/WORKSHOP ON TERAHERTZ TECHNOLOGIES, VOLS 1 AND 2; 2007 10.1109/MSMW.2007.4294661
				98. Sakhnenko N, Nerukh A. Early time fields in stratified microdisk resonators with time discontinuity in permittivity. In: Proceedings of 2007 9th International Conference on Transparent Optical Networks, ICTON 2007 [Internet]; 20072007. p. 149-50. Available from: www.scopus.com DOI: 10.1109/ICTON.2007.4296363	Buts, V. A.; Nerukh, A. G.; ELEMENTS OF CHAOTIC DYNAMICS IN LINEAR SYSTEMS; SIXTH INT KHARKOV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES/WORKSHOP ON TERAHERTZ TECHNOLOGIES, VOLS 1 AND 2; 2007 10.1109/MSMW.2007.4294663
				99. Buts VA, Nerukh AG. Elements of chaotic dynamics in linear systems. In: MSMW'07 Symposium Proceedings - The 6th International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves and Workshop on Terahertz Technologies [Internet]; 20072007. p. 363-5. Available from: www.scopus.com DOI: 10.1109/MSMW.2007.4294663	Kukhtin, Mykhail P.; Kocherzhin, Alexandr I.; Lisetski, Longin N.; Nerukh, Alexandr G.; Fedoryako, Alexandr P.; ELECTROPHYSICAL PROPERTIES OF NEMATIC LIQUID CRYSTALS UNDER STATIONARY AND MICROWAVE ELECTRIC FIELDS; SIXTH INT KHARKOV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES/WORKSHOP ON TERAHERTZ TECHNOLOGIES, VOLS 1 AND 2; 2007 10.1109/MSMW.2007.4294665
				100. Remayeva ' TE, Nerukh AG. Complexity of integral algorithm for calculation of electromagnetic field in nonstationary medium. In: MSMW'07 Symposium Proceedings - The 6th International Kharkov Symposium on Physics and Engineering of	Nerukh, Alexander; Ruzhytska, Nataliya; Nerukh, Dmitry; Complexity and quasi-intermittency of electromagnetic waves in regular time-varying medium; ICTON 2006: 8TH INTERNATIONAL CONFERENCE ON

			<p>Microwaves, Millimeter and Submillimeter Waves and Workshop on Terahertz Technologies [Internet]; 20072007. p. 351-3. Available from: www.scopus.com DOI: 10.1109/MSMW.2007.4294659</p>	<p>TRANSPARENT OPTICAL NETWORKS, VOL 1, PROCEEDINGS: ICTON, MPM, INDUSTRIAL, PICA W, GOWN; 2006</p>
			<p>101. Sakhnenko NK, Nerukh AG. Resonant stratified cylindrical structures with time discontinuity in permittivity. In: MSMW'07 Symposium Proceedings - The 6th International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves and Workshop on Terahertz Technologies [Internet]; 20072007. p. 357-9. Available from: www.scopus.com DOI: 10.1109/MSMW.2007.4294661</p>	<p>Sakhnenko, Nataliya; Nerukh, Alexander; Comparison of frequency transformation in time-varying dielectric plane waveguide and circular resonator; ICTON 2006: 8TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, VOL 2, PROCEEDINGS: ESPC, NAON; 2006</p>
			<p>102. Voizanova A, Nerukh A. Resolvent operator of maxwell equations for 6-dimentional field vector. In: 2007 6th International Conference on Antenna Theory and Techniques, ICATT'07 [Internet]; 20072007. p. 188-90. Available from: www.scopus.com DOI: 10.1109/ICATT.2007.4425152</p>	<p>Nerukh, Alexander; Yeliseyev, Sergey; Focusing of point source waves by plane boundary of newly created plasma; ICTON 2006: 8TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, VOL 4, PROCEEDINGS: CONFERENCE & COST P 11 TRAINING SCHOOL POSTERS; 2006</p>
			<p>103. Kukhtin MP, Kocherzhin AI, Lisetski LN, Nerukh AG, Fedoryako AP. Electrophysical properties of nematic liquid crystals under stationary and microwave electric fields. In: MSMW'07 Symposium Proceedings - The 6th International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves and Workshop on Terahertz Technologies [Internet]; 20072007. p. 369-71. Available from: www.scopus.com DOI: 10.1109/MSMW.2007.4294665</p>	<p>Voizanova, A.; Ruzhytska, S.; Yeliseyev, S.; Nerukh, A.; Initial-value problem for Maxwell equations in plasma halfspace with plane boundary; MMET 2006: 11TH INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, CONFERENCE PROCEEDINGS; 2006</p>

			104. Kukhtin MP, Kocherzhin AI, Lisetski LN, Nerukh AG, Fedoryako AP, Kukhtina NN. Electrophysical properties of nematic liquid crystals under stationary and microwave electric and magnetic fields. In: 2007 6th International Conference on Antenna Theory and Techniques, ICATT'07 [Internet]; 20072007. p. 170-2. Available from: www.scopus.com DOI: 10.1109/ICATT.2007.4425147	Nerukh, A.; Ruzhytska, N.; Nerukh, D.; Quasi-intermittency of waves and their complexity in modulated dielectric medium; MMET 2006: 11TH INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, CONFERENCE PROCEEDINGS; 2006
			105. Kukhtin MP, Kocherzhyn AI, Panikarskaya VD, Minenko SS, Fedoryako AP, Nerukh AG, Lisetski LN. Effects of electric fields on nematic liquid crystals with dispersed carbon nanotubes: Conductivity and capacitance measurements. In: OPT 2007 - International Workshop Optoelectronic Physics and Technology [Internet]; 20072007. p. 44-5. Available from: www.scopus.com DOI: 10.1109/OPT.2007.4298533	Sakhnenko, N.; Nerukh, A.; Semenova, E.; WGM resonator illuminated by temporally switched internal source; MMET 2006: 11TH INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, CONFERENCE PROCEEDINGS; 2006
			106. Buts VA, Nerukh AG, Ruzhytska NN, Nerukh DA. Wave chaotic behaviour generated by linear systems. Opt Quantum Electron [Internet]. 2008;40(8):587-601. Available from: www.scopus.com	Sakhnenko, N.; Nerukh, A.; Semenova, E.; Transient response of circular waveguide modes on refractive index change in core; MMET 2006: 11TH INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, CONFERENCE PROCEEDINGS; 2006
			107. Sakhnenko NK, Nerukh AG, Benson TM, Sewell P. Near-field pattern images in 2-D circular resonator with time-varying plasma. IEEE Trans Plasma Sci [Internet]. 2008;36(4 PART 1):1222-3. Available from: www.scopus.com	Ruzhytska, N. N.; Nerukh, A. G.; Nerukh, D. A.; Changing of pulse complexity in modulated dielectric medium; ULTRAWIDEBAND AND ULTRASHORT IMPULSE SIGNALS, PROCEEDINGS; 2006 10.1109/UWBUS.2006.307224

			108. Nerukh A, Semenova H, Sakhnenko N. Alternative calculations of initial value problem for electromagnetic field in dielectric waveguide. Opt Quantum Electron [Internet]. 2008;40(11-12 SPEC. ISS.):943-56. Available from: www.scopus.com	Voizanova, A. .; Yeliseyev, S.; Nerukh, A.; Focusing of pulses by plane boundary of nonstationary medium; ULTRAWIDEBAND AND ULTRASHORT IMPULSE SIGNALS, PROCEEDINGS; 2006 10.1109/UWBUS.2006.307225
			109. Sakhnenko NK, Nerukh AG, Benson TM, Sewell P. Whispering gallery mode transformation in a switched micro-cavity with concentric ring geometry. Opt Quantum Electron [Internet]. 2008;40(11-12 SPEC. ISS.):813-20. Available from: www.scopus.com	Nerukh, A. G.; Formation of ultrashort pulses by a layer with moving boundaries; Ultrawideband and Ultrashort Impulse Signals, Proceedings; 2006 10.1109/UWBUS.2006.307230
			110. Nerukh A, Semenova H, Sakhnenko N. Two ways for calculation of field evolution in dielectric waveguide: Via Brillouin- or eigen-waves. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20082008. p. 276-8. Available from: www.scopus.com DOI: 10.1109/MMET.2008.4580966	Sakhnenko, N. K.; Nerukh, A. G.; Semenova, E. K.; Isolated 2D plasma resonator illuminated by transient source; ULTRAWIDEBAND AND ULTRASHORT IMPULSE SIGNALS, PROCEEDINGS; 2006 10.1109/UWBUS.2006.307245
			111. Sakhnenko N, Nerukh A, Benson T, Sewell P. Modelling of transients in microcavities with time-varying material properties. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20082008. p. 92-5. Available from: www.scopus.com DOI: 10.1109/MMET.2008.4580903	Nerukh, AG; Change of light colour by a layer with moving boundaries; 2005 7th International Conference on Transparent Optical Networks, Vol 2, Proceedings; 2005
			112. Nerukh A, Semenova H, Sakhnenko N. Calculation of field evolution in dielectric waveguide by progressive and oscillatory approaches. In: Proceedings of 2008 10th Anniversary International Conference on Transparent Optical Networks, ICTON [Internet]; 20082008. p. 259-62. Available from: www.scopus.com DOI: 10.1109/ICTON.2008.4598422	Sakhnenko, N; Benson, T; Sewell, P; Nerukh, A; Transient inclusions in circular dielectric resonators; 2005 7th International Conference on Transparent Optical Networks, Vol 2, Proceedings; 2005

			113. Sakhnenko N, Nerukh A, Benson T, Sewell P. Optical coupling of two microcavities with time-varying properties. In: Proceedings of 2008 10th Anniversary International Conference on Transparent Optical Networks, ICTON [Internet]; 20082008. p. 21-2. Available from: www.scopus.com DOI: 10.1109/ICTON.2008.4598719	Ruzhytska, NN; Nerukh, AG; Nerukh, DA; Radiation transformation in time-varying medium; 5th International Conference on Antenna Theory and Techniques, Proceedings; 2005 10.1109/ICATT.2005.1496907
			114. Sakhnenko N, Nerukh A, Benson T, Sewell P. Optical coupling of two microcavities with time discontinuity in permittivity. In: 2008 International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2008 [Internet]; 20082008. p. 86-8. Available from: www.scopus.com DOI: 10.1109/LFNM.2008.4670378	Benson, TM; Boriskina, SV; Sewell, P; Vukovic, A; Nosich, AI; Janyani, V; Al-Jarro, A; Sakhnenko, N; Smotrova, EI; Nerukh, AG; Micro-resonators: Simulation and application; CAOL 2005: PROCEEDINGS OF THE 2ND INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS, VOL 1; 2005
			115. Nerukh A, Remayeva T, Sakhnenko N. Frequency change of partial spherical waves induced by time change of medium permittivity. Opt Quantum Electron [Internet]. 2009;41(4):327-35. Available from: www.scopus.com	Sakhnenko, N; Benson, T; Sewell, P; Nerukh, A; Effects of the refractive index time variations on 2D circular resonator modes; CAOL 2005: PROCEEDINGS OF THE 2ND INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS, VOL 2; 2005
			116. Nerukh AG, Sakhnenko NK. Formation of point-source image by time change of the medium. IEEE J Sel Top Quantum Electron [Internet]. 2009;15(5):1368-73. Available from: www.scopus.com	Nerukh, AG; Benson, TM; Sewell, P; Influence on electromagnetic field of both time-varying medium in waveguide and its boundaries; ICTON 2004: 6TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, PROCEEDINGS, VOL 1; 2004 10.1109/ICTON.2004.1360267

			117. Sakhnenko N, Nerukh A. Cylindrical multilayer dielectric waveguide with time-varying material properties. In: ICTON 2009: 11th International Conference on Transparent Optical Networks [Internet]; 2009. Available from: www.scopus.com DOI: 10.1109/ICTON.2009.5185103	Ruzhytska, N; Nerukh, A; Nerukh, D; Sharpening of the signal spectrum with the change of its complexity; ICTON 2004: 6TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, PROCEEDINGS, VOL 2; 2004 10.1109/ICTON.2004.1361998
			118. Nerukh A, Sakhnenko N, Remayeva T. Scattering of transformed frequency on partial spherical waves induced by time change of the medium. In: ICTON 2009: 11th International Conference on Transparent Optical Networks [Internet]; 2009. Available from: www.scopus.com DOI: 10.1109/ICTON.2009.5185102	Sakhnenko, N; Nerukh, A; Penetration of electromagnetic wave into time-varying plasma cylinder; CAOL '2003: PROCEEDINGS OF THE 1ST INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS, VOL 1; 2003
			119. Nerukh A, Remayeva T, Sakhnenko N. Evolution of waves induced by time change of medium permittivity in a sphere. In: AIP Conference Proceedings [Internet]; 2009. p. 140-2. Available from: www.scopus.com DOI: 10.1063/1.3253890	Ruzhytska, N; Nerukh, A; Nerukh, D; Changing of electromagnetic signal complexity in modulated medium; ICTON 2003: 5TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, VOL 1, PROCEEDINGS; 2003
			120. Ruzhytska NN, Nerukh AG. Chaotic behavior of some characteristics of a linear parametric electrodynamic process. Telecommun Radio Eng [Internet]. 2010;69(5):393-401. Available from: www.scopus.com	Nerukh, AG; Fedotov, FV; Benson, TM; Sewell, P; Resolvents method for analytical-numerical investigation of nonlinear problems in dielectric waveguide; ICTON 2003: 5TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, VOL 2, PROCEEDINGS; 2003
			121. Sakhnenko N, Nerukh A. Linear chain of coupled resonators with time discontinuity in permittivity. In: 2010 12th International Conference on Transparent Optical Networks, ICTON 2010 [Internet]; 2010. Available from: www.scopus.com DOI: 10.1109/ICTON.2010.5549061	Ruzhytska, N; Nerukh, A; Nerukh, D; Complexity of optical pulses in modulated medium; LFNM 2003: LASER AND FIBER-OPTICAL NETWORKS MODELING, PROCEEDINGS; 2003

			122. Kukhtin M, Machekhin Y, Chernyakov E, Nerukh A, Lisetski L, Cocherzhin A. Tuning of resonator by control of nematic liquid crystal properties. In: 2010 12th International Conference on Transparent Optical Networks, ICTON 2010 [Internet]; 2010 Available from: www.scopus.com DOI: 10.1109/ICTON.2010.5548999	Scherbatko, IV; Nerukh, AG; Iezekiel, S; Enhanced grid scheme for one-dimensional integro-differential Volterra equation in the time domain; IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION; 2002 50 10.1109/TAP.2002.1003385
			123. Sakhnenko NK, Nerukh AG. Frequency shift enhancement in linear chain of coupled resonators with time discontinuity in permittivity. In: 2010 International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW'2010 [Internet]; 2010 Available from: www.scopus.com DOI: 10.1109/MSMW.2010.5546128	Nerukh, AG; Benson, T; Integral equations for electromagnetic field in time-varying dielectric waveguide; ICTON 2002: PROCEEDINGS OF THE 2002 4TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS AND EUROPEAN SYMPOSIUM ON PHOTONIC CRYSTALS, VOL 1; 2002 10.1109/ICTON.2002.1009537
			124. Remayeva TE, Nerukh AG, Sakhnenko NK. Scattering of waves by an ellipsoid with a time-varying surface. In: 2010 International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW'2010 [Internet]; 2010 Available from: www.scopus.com DOI: 10.1109/MSMW.2010.5546202	Fedotov, FV; Nerukh, AG; Benson, T; Sewell, P; Solution of non-stationary electrodynamics boundary value problem by FDTD and Volterra integral equation methods; ICTON 2002: PROCEEDINGS OF THE 2002 4TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS AND EUROPEAN SYMPOSIUM ON PHOTONIC CRYSTALS, VOL 1; 2002 10.1109/ICTON.2002.1009540
			125. Kukhtin MP, Chernyakov EC, Nerukh AG, Lisetski LN, Kocherzhyn AK. Electrophysical properties of nematic liquid crystals under stationary and microwave electric and magnetic fields in the millimeter waveband. In: 2010 International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW'2010	Nerukh, A; Benson, T; Integral equations in time domain for electromagnetic fields of waveguide structures; MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, CONFERENCE PROCEEDINGS, VOLS 1 AND 2; 2002

				[Internet]; 20102010Available from: www.scopus.com DOI: 10.1109/MSMW.2010.5545957		
				126. Sakhnenko N, Nerukh A. Electromagnetic field evolution in a linear chain of coupled resonators with time discontinuity in permittivity. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20102010Available from: www.scopus.com DOI: 10.1109/MMET.2010.5611430		Ruzhytska, NN; Nerukh, AG; Nerukh, DA; Calculation of complexity of a pulse transformation in time-varying medium; MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, CONFERENCE PROCEEDINGS, VOLS 1 AND 2; 2002
				127. Zolotariov D, Nerukh A. Method of approximation functions for solution of 2D nonlinear Volterra integral equation. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20102010Available from: www.scopus.com DOI: 10.1109/MMET.2010.5611393		Sakhnenko, N; Nerukh, A; Investigation of electromagnetic field in a plate-parallel waveguide with time varying medium; MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, CONFERENCE PROCEEDINGS, VOLS 1 AND 2; 2002
				128. Nerukh A, Sakhnenko N, Remayeva T. Role of boundary in electromagnetic transients caused by medium time-variation. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20102010Available from: www.scopus.com DOI: 10.1109/MMET.2010.5611412		Scherbatko, IV; Iezekiel, S; Nerukh, AG; The time domain numerical calculation of an integro-differential equation for ultrashort electromagnetic pulse propagation in layered media; ULTRA-WIDEBAND, SHORT-PULSE ELECTROMAGNETICS 5; 2002 10.1007/0-306-47948-6_77
				129. Voizanova AV, Nerukh AG. Surface quasi plasmon polaritons on plane boundary of ionized plasma. Telecommun Radio Eng [Internet]. 2010;69(20):1851-7. Available from: www.scopus.com		Scherbatko, IV; Nerukh, AG; Generation of far-infrared radiation in a frozen-wave photoswitched semiconductor structure; MICROWAVE AND OPTICAL TECHNOLOGY LETTERS; 2001 31 10.1002/mop.10010

			130. Sakhnenko N, Nerukh A. Frequency shift in a single dielectric resonator and in a chain of coupled resonators due to time change in permittivity. In: Asia-Pacific Microwave Conference Proceedings, APMC [Internet]; 20102010. p. 853-6. Available from: www.scopus.com	Nerukh, AG; Sakhnenko, NK; Marciniak, M; Penetration of electromagnetic signals into transparent inhomogeneous time-varying medium; ICTON 2001: 3RD INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, CONFERENCE PROCEEDINGS; 2001 10.1109/ICTON.2001.934790
			131. Remayeva TY, Nerukh AG, Sakhnenko NK. Evolution of waves after plasma ignition in a sphere. In: Proceedings - 10th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2010 [Internet]; 20102010. p. 116-8. Available from: www.scopus.com DOI: 10.1109/LFNM.2010.5624229	Nerukh, AG; Sakhnenko, NK; Scherbatko, IV; Axial symmetric electromagnetic pulse excitation in a flat waveguide with a time-varying plasma; ICTON 2000: 2ND INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, CONFERENCE PROCEEDINGS; 2000
			132. Kocherzhin AI, Kukhtin MP, Lisetski LN, Machekhin YP, Nerukh AG, Chernyakov EI. Effects of microwave electric and stationary magnetic fields on electrooptical properties of nematic liquid crystals with carbon nanotubes. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 799-800. Available from: www.scopus.com	Nerukh, AG; Scherbatko, IV; Marciniak, M; Reflection and transmission of a light on a dielectric boundary in a time domain; ICTON 2000: 2ND INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, CONFERENCE PROCEEDINGS; 2000 10.1109/ICTON.2000.874112
			133. Sakhnenko N, Nerukh A. Accurate analysis of transient processes in coupled WGM microcavities with time varying refractive index. In: AIP Conference Proceedings [Internet]; 20112011. p. 171-3. Available from: www.scopus.com DOI: 10.1063/1.3644248	Nerukh, A; Sakhnenko, N; Time domain expression for an electromagnetic field in a flat waveguide at a creation of a plasma; IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM, VOLS 1-4: TRANSMITTING WAVES OF PROGRESS TO THE NEXT MILLENNIUM; 2000

			134. Sakhnenko NK, Stogniy NP, Nerukh AG. Near-field pattern images of a cylindrical plasma column. IEEE Trans Plasma Sci [Internet]. 2011;39(11 PART 1):2552-3. Available from: www.scopus.com	Nerukh, AG; Yemelyanov, KM; Fedotov, FV; Numerical modeling of electromagnetic signal propagation in a time-varying medium; IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM, VOLS 1-4: TRANSMITTING WAVES OF PROGRESS TO THE NEXT MILLENNIUM; 2000
			135. Stogniy N, Sakhnenko N, Nerukh A. Plasmon resonances in linear array of coupled silver nanowires. In: International Conference on Transparent Optical Networks [Internet]; 20112011Available from: www.scopus.com DOI: 10.1109/ICTON.2011.5971163	Sakhnenko, N; Nerukh, A; Fedotov, F; Transients of an axial symmetric electromagnetic source in a flat waveguide with a time varying plasma; MMET 2000: INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2000
			136. Nerukh A, Zolotariov D, Nerukh D. Time-varying airy pulses. In: International Conference on Transparent Optical Networks [Internet]; 20112011Available from: www.scopus.com DOI: 10.1109/ICTON.2011.5970882	Nerukh, AG; Time-domain Fresnel's formulas for a plane interface between media; MMET 2000: INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2000
			137. Nerukh AG, Zolotariov DA, Nerukh DA. Generation of decelerating Airy pulses. In: 8th International Conference on Antenna Theory and Techniques, ICATT'11 [Internet]; 20112011. p. 266-8.Available from: www.scopus.com DOI: 10.1109/ICATT.2011.6170756	Nerukh, AG; Yemelyanov, KM; An electromagnetic signal propagation in a transient magnetized plasma with a time-varying external magnetic field; MMET 2000: INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS;

					2000	
				138. Nerukh AG, Zolotariov DA, Nerukh DA. Decelerating Airy pulses. In: Conference Proceedings - 11th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2011 [Internet]; 2011 Available from: www.scopus.com DOI: 10.1109/LFNM.2011.6144989		Nerukh, A; Scherbatko, I; Control of electromagnetic wave by modulation of medium parameters by finite packet pulses; TERAHERTZ AND GIGAHERTZ PHOTONICS; 1999 3795 10.1117/12.370216
				139. Sakhnenko NK, Nerukh AG, Chipouline A, Schmidt C, Pertsch T. Transient mode beating in disk microresonator at picosecond pulse excitation. In: Conference Proceedings - 11th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2011 [Internet]; 2011 Available from: www.scopus.com DOI: 10.1109/LFNM.2011.6145021		Vorgul, IY; Nerukh, AG; Inhomogeneous transient conductive half-space: Reconstruction of conductivity time-dependence by scattered field; 1998 INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, VOLS 1 AND 2; 1998
				140. Nerukh A, Sakhnenko N. Non-stationary electromagnetics In: Non-Stationary Electromagnetics. [Internet]. ; 2012 p. 1-596. Available from: www.scopus.com		Scherbatko, IV; Nerukh, AG; Time-domain numerical simulation of EM pulse propagation through a time-varying slab; 1998 INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, VOLS 1 AND 2; 1998
				141. Sakhnenko N, Nerukh A. Rigorous analysis of whispering gallery mode frequency conversion because of time variation of refractive index in a spherical resonator. J Opt Soc Am A [Internet]. 2012;29(1):99-104. Available from: www.scopus.com		Nerukh, AG; Rybin, ON; Scherbatko, IV; Influence of the time-varying parameters of half-space on electromagnetic signals; PROCEEDINGS OF THE FOURTH INTERNATIONAL SYMPOSIUM ON ANTENNAS AND EM THEORY (ISAE'97); 1997

			142. Nerukh A, Sakhnenko N, Benson T, Sewell P. Non-stationary electromagnetics In: Non-Stationary Electromagnetics. [Internet]. ; 2012 Available from: www.scopus.com DOI: 10.4032/9789814364249	Tyzhnenko, A; Nerukh, A; Method of solution of scattering problems in piece-wise uniform dielectric media; MMET'96 - VITH INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, PROCEEDINGS; 1996 10.1109/MMET.1996.565674
			143. Sakhnenko NK, Chipouline A, Schmidt C, Nerukh AG, Pertsch T. Modeling of transient dynamics in two-dimensional circular microresonators using the pulsed complex source point beam concept. J Opt Soc Am A [Internet]. 2012;29(10):2197-203. Available from: www.scopus.com	Nerukh, A; Sherbatko, I; Tyzhnenko, A; Evolution of an electromagnetic wave penetration into half-bounded plasma in a waveguide; MMET'96 - VITH INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, PROCEEDINGS; 1996 10.1109/MMET.1996.565692
			144. Nerukh A, Zolotariov D, Nerukh D, Benson T. Reflection of a spatial-temporal Airy pulse from a layer. In: International Conference on Transparent Optical Networks [Internet]; 2012 Available from: www.scopus.com DOI: 10.1109/ICTON.2012.6253757	Scherbatko, I; Nerukh, A; Iezekiel, S; Terahertz double-Doppler wavelength shifting of infrared optical pulses in excited semiconductor medium; THE NINETY EIGHT - 1998 IEEE SIXTH INTERNATIONAL CONFERENCE ON TERAHERTZ ELECTRONICS PROCEEDINGS; 1996
			145. Nerukh AG, Zolotariov DA, Nerukh DA, Georgiev GN. Green's function for paraxial equation. In: Progress in Electromagnetics Research Symposium [Internet]; 2012 p. 460-3. Available from: www.scopus.com	NERUKH, AG; GREEN-FUNCTION FOR THE NONSTATIONARY ELECTRODYNAMIC PROBLEMS WITH ORIGINATING PLANAR MEDIUM INTERFACES; ZHURNAL TEKHNICHESKOI FIZIKI; 1995 65

			146. Nerukh AG, Zolotariov DA. Generation of spatial-temporal airy pulses. In: 2012 6th International Conference on Ultrawideband and Ultrashort Impulse Signals, UWBUSIS 2012 - Conference Proceedings [Internet]; 20122012. p. 223-5. Available from: www.scopus.com DOI: 10.1109/UWBUSIS.2012.6379787	NERUKH, AG; SHAVORYKINA, IY; TRANSFORMATION OF THE PULSE RADIATION IN NONSTATIONARY LOSSY MEDIA; IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII RADIOFIZIKA; 1992 35
			147. Nerukh A, Zolotariov D, Nerukh D. Interaction of time-varying airy pulses with a layer. In: European Microwave Week 2012: "Space for Microwaves", EuMW 2012, Conference Proceedings - 7th European Microwave Integrated Circuits Conference, EuMIC 2012 [Internet]; 20122012. p. 810-3. Available from: www.scopus.com	NERUKH, AG; KHIZHNYAK, NA; MINKO, PE; ELECTROMAGNETIC-WAVE REFLECTION FROM THE STRATUM PLASMA CLUSTER WHICH IS MOVING IN THE WAVE-GUIDE; IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII RADIOFIZIKA; 1990 33
			148. Nerukh A, Zolotariov D, Nerukh D. Interaction of time-varying airy pulses with a layer. In: European Microwave Week 2012: "Space for Microwaves", EuMW 2012, Conference Proceedings - 42nd European Microwave Conference, EuMC 2012 [Internet]; 20122012. p. 1190-3. Available from: www.scopus.com	NERUKH, AG; CHARACTERISTICS OF TRANSFORMATION OF ELECTROMAGNETIC-WAVES OF NONSTATIONARY MOVING MEDIUM INTERFACE; ZHURNAL TEKHNICHESKOI FIZIKI; 1989 59
			149. Nerukh A, Zolotariov D. Green's function for paraxial equation in time domain. In: International Conference on Mathematical Methods in Electromagnetic Theory, MMET [Internet]; 20122012. p. 164-7. Available from: www.scopus.com DOI: 10.1109/MMET.2012.6331276	SHPAGIN, YV; MARTYNIENKO, LG; NERUKH, AG; ANALYSIS OF ELECTRODYNAMIC PARAMETERS GOVERNING THE SELECTION OF THE SHAPE OF CONVERTERS IN PONDEROMOTIVE SHF WATTMETERS; MEASUREMENT TECHNIQUES USSR; 1988 31 10.1007/BF00864482
			150. Sakhnenko NK, Chipouline A, Nerukh AG, Stognii NP, Pertsch T. Modelling of transient plasmons dynamics in metallic cylinders. In: International Conference on Mathematical Methods in	NERUKH, AG; SAFRONOV, GS; SYNTHESIS OF PLANE HOLOGRAMS APPLIED TO THE SIGNALS RECORDED ON CURVED SURFACES;

			Electromagnetic Theory, MMET [Internet]; 20122012. p. 35-8. Available from: www.scopus.com DOI: 10.1109/MMET.2012.6331213		RADIOTEKHNIKA I ELEKTRONIKA; 1979 24
			151. Nerukh AG, Nerukh DA. Generation of drifting optical pulses. In: Conference Proceedings - 12th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2013 [Internet]; 20132013. p. 90-1. Available from: www.scopus.com DOI: 10.1109/LFNM.2013.6644846		NERUKH, AG; CORRECTION; ZHURNAL TEKHNICHESKOI FIZIKI; 1974 44
			152. Nerukh AG, Nerukh DA. Time-spatial drift of decelerating electromagnetic pulses. Opt Express [Internet]. 2013;21(14):17366-72. Available from: www.scopus.com		
			153. Zolotariov D, Nerukh A. Transformation of Gaussian-like pulses by a nonlinear dielectric layer. In: European Microwave Week 2013, EuMW 2013 - Conference Proceedings; EuMC 2013: 43rd European Microwave Conference [Internet]; 20132013. p. 1251-4. Available from: www.scopus.com		
			154. Nerukh A, Zolotariov D, Benson T. The approximating functions method for nonlinear volterra integral equations. Opt Quantum Electron [Internet]. 2015;47(8):2565-75. Available from: www.scopus.com		
			155. Nerukh AG, Zolotariov DA, Kuryzheva OV. Radiation of accelerating pulses with specified envelopes. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136801		

			156. Kuryzheva OV, Nerukh AG. Nonparaxial airy pulses at a dielectric layer. In: YSF 2015 - International Young Scientists Forum on Applied Physics [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1109/YSF.2015.7333138		
			157. Nerukh A, Zolotariov D, Kuryzheva O, Benson T. Dynamics of decelerating pulses at a dielectric layer. Opt Quantum Electron [Internet]. 2016;48(2):1-9. Available from: www.scopus.com		
			158. Kuryzheva O, Tkach A, Nerukh A. Spectral features of a dielectric layer in paraxial approximation. In: 9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2016 [Internet]; 20162016 Available from: www.scopus.com DOI: 10.1109/MSMW.2016.7538153		
			159. Kuryzheva OV, Nerukh AG. Evolution of an Airy pulse energy flow induced by a dielectric plane boundary. In: Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL [Internet]; 20162016. p. 57-9. Available from: www.scopus.com DOI: 10.1109/CAOL.2016.7851374		
			160. Kuryzeva OV, Tkach AD, Nerukh AG. Implementation of the extinction theorem in a problem of Airy pulse scattering by a dielectric layer. In: 2016 8th International Conference on Ultrawideband and Ultrashort Impulse Signals, UWBUSIS 2016 [Internet]; 20162016. p. 97-100. Available from: www.scopus.com DOI: 10.1109/UWBUSIS.2016.7724160		

				161. Kuryzheva OV, Nerukh AG. Changing of an Airy pulse form due to re-reflections inside a dielectric layer. In: 2016 2nd International Young Scientists Forum on Applied Physics and Engineering, YSF 2016 - Forum Proceedings [Internet]; 20162016. p. 183-6. Available from: www.scopus.com DOI: 10.1109/YSF.2016.7753832		
				162. Nerukh AG, Kuryzheva OV. Transformation of the airy pulse by a jump-like change of the medium permittivity in time. Telecommun Radio Eng [Internet]. 2018;77(12):1017-28. Available from: www.scopus.com		
				163. Nerukh A, Kuryzheva O, Benson T. Time-spatial structure of airy pulse in non-stationary environment. Opt Quantum Electron [Internet]. 2018;50(2) Available from: www.scopus.com		
KIY	АПІОТ	ХАХАНОВ ВОЛОДИМИР ІВАНОВИЧ	159	1. Hahanov V, Babich A, Hyduke S. Test generation and fault simulation methods on the basis of cubic algebra for digital devices. In: Proceedings - Euromicro Symposium on Digital Systems Design: Architectures, Methods and Tools, DSD 2001 [Internet]; 20012001. p. 228-35. Available from: www.scopus.com DOI: 10.1109/DSD.2001.952286	98	Hahanov, Vladimir; Gharibi, Wajeb; Litvinova, Eugenia; Chumachenko, Svetlana; Information Analysis Infrastructure for Diagnosis; INFORMATION-AN INTERNATIONAL INTERDISCIPLINARY JOURNAL; 2011 14
				2. Hahanov VI, Babich AV, Zanuneh A, Halil IM. Designing of LAN models for diagnosis problem solving. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 6th International Conference, CADSM 2001 [Internet]; 20012001. p. 307-9. Available from: www.scopus.com DOI: 10.1109/CADSM.2001.975851		Hahanov, Vladimir; Gharibi, Wajeb; Litvinova, Eugenia; Chumachenko, Svetlana; Big Data Driven Cyber Analytic System; 2015 IEEE INTERNATIONAL CONGRESS ON BIG DATA - BIGDATA CONGRESS 2015; 2015 10.1109/BigDataCongress.2015.94

			3. Hahanov V, Krivoulya G, Rustinov V, Sisenko I, Egorov A. Fault cubic simulation for digital devices. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 6th International Conference, CADSM 2001 [Internet]; 20012001. p. 112-5. Available from: www.scopus.com DOI: 10.1109/CADSM.2001.975768	Bondarenko, M. F.; Hahanov, V. I.; Litvinova, E. I.; Logical associative multiprocessor structure; AUTOMATION AND REMOTE CONTROL; 2012 73 10.1134/S0005117912100062
			4. Hahanov V, Babich A, Sokolov A, Pudov V. Deterministic method of genetic algorithms of test generation for digital systems verification. In: Proceedings of the International Conference on Modern Problems of Radio Engineering, Telecommunications and Computer Science, TCSET 2002 [Internet]; 20022002. p. 257-8. Available from: www.scopus.com DOI: 10.1109/TCSET.2002.1015952	Hahanov, Vladimir; Gharibi, Wajeb; Zhalilo, Aleksey; Litvinova, Eugenia; Cloud-Driven Traffic Control: Formal Modeling and Technical Realization; 2015 4TH MEDITERRANEAN CONFERENCE ON EMBEDDED COMPUTING (MECO); 2015
			5. Jutman A, Ubar R, Hahanov V, Skvortsova O. Practical works for on-line teaching design and test of digital circuits. In: Proceedings of the IEEE International Conference on Electronics, Circuits, and Systems [Internet]; 20022002. p. 1223-6. Available from: www.scopus.com DOI: 10.1109/ICECS.2002.1046474	Hahanov, Vladimir; Amer, Tamer Bani; Litvinova, Eugenia; Soklakova, Tetiana; Liubarskyi, Mykhailo; Shavlak, Nikolay; Dziuba, Kseniia; Qubit Test Synthesis of the Functionality; 2017 14TH INTERNATIONAL CONFERENCE: THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM); 2017
			6. Hahanov V, Sysenko I, Kolesnikov K. Back traced deductive-parallel fault simulation for digital circuits. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 7th International Conference, CADSM 2003 [Internet]; 20032003. p. 382-7. Available from: www.scopus.com DOI: 10.1109/CADSM.2003.1255097	Hahanov, Vladimir; Infrastructure Intellectual Property for SoC Simulation and Diagnosis Service; DESIGN OF DIGITAL SYSTEMS AND DEVICES; 2011 79

			7. Hahanov V, Ubar R, Hyduke S. Back-traced deductive-parallel fault simulation for digital systems. In: Proceedings - Euromicro Symposium on Digital System Design, DSD 2003 [Internet]; 20032003. p. 370-7. Available from: www.scopus.com DOI: 10.1109/DSD.2003.1231969	Hahanov, V; Babich, A; Test generation and fault simulation methods on the basis of cubic algebra for digital devices; EUROMICRO SYMPOSIUM ON DIGITAL SYSTEMS DESIGN, PROCEEDINGS; 2001
			8. Hahanov V, Yegorov A, Obrizan V, Parfentiy A. Structural analysis for digital devices for the simulation system. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 7th International Conference, CADSM 2003 [Internet]; 20032003. p. 264-8. Available from: www.scopus.com DOI: 10.1109/CADSM.2003.1255056	Hahanov, Ivan; Chumachenko, Svetlana; Iemeljanov, Igor; Hahanov, Vladimir; Deductive Qubit Fault Simulation; 2017 14TH INTERNATIONAL CONFERENCE: THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM); 2017
			9. Hahanov V, Krivoulya G, Hahanova I, Melnikova O, Obrizan V. High performance fault simulation for digital systems. In: Proceedings of the 2nd IEEE International Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, IDAACS 2003 [Internet]; 20032003. p. 390-5. Available from: www.scopus.com DOI: 10.1109/IDAACS.2003.1249593	Hahanov, Vladimir; Litvinova, Eugenia I.; Gharibi, Wajeb; Chumachenko, Svetlana V.; Cyber Physical System - iCloud Traffic Control; 2014 11TH INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY: NEW GENERATIONS (ITNG); 2014 10.1109/ITNG.2014.105
			10. Hahanov V, Ubar R. First east-west design and test workshop. IEEE Des Test Comput [Internet]. 2003;20(6):103. Available from: www.scopus.com	Hahanov, V.; Litvinova, E.; Obrizan, V.; Gharibi, W.; Embedded Method of SoC Diagnosis; ELEKTRONIKA IR ELEKTROTEHNIKA; 2008
			11. Hahanov V, Hahanova I, Hyduke S. Topological BDP fault simulation method. In: Proceedings of the EUROMICRO Systems on Digital System Design, DSD 2004 [Internet]; 20042004. p. 440-3. Available from: www.scopus.com DOI: 10.1109/DSD.2004.1333308	Hahanov, Vladimir; Obrizan, Volodymyr; Yeliseev, Vladimir; Ghribi, Wade; Hierarchical testing of complex digital systems; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE,

					PROCEEDINGS; 2006
				12. Hahanov V, Melnikova O, Zaychenko S, Guz O. Topological fault simulation method. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 2004;2004. p. 602-5. Available from: www.scopus.com	Hahanov, V; Ubar, R; Hyduke, S; Back-traced deductive-parallel fault simulation for digital systems; EUROMICRO SYMPOSIUM ON DIGITAL SYSTEM DESIGN, PROCEEDINGS; 2003 10.1109/DSD.2003.1231969
				13. Hahanov V. 2005 IEEE east-west design and test workshop. IEEE Des Test Comput [Internet]. 2005;22(6):600. Available from: www.scopus.com	Jutman, A; Ubar, R; Hahanov, V; Skvortsova, O; Practical works for on-line teaching design and test of digital circuits; ICES 2002: 9TH IEEE INTERNATIONAL CONFERENCE ON ELECTRONICS, CIRCUITS AND SYSTEMS, VOLS I-111, CONFERENCE PROCEEDINGS; 2002
				14. Hyduke S, Hahanov V, Obrizan V, Guz O. PRUS - Processor network for digital circuit implementation. In: Proceedings - DSD'2005: 8th Euromicro Conference on Digital System Design - Architectures, Methods and Tools [Internet]; 2005;2005. p. 239-42. Available from: www.scopus.com DOI: 10.1109/DSD.2005.65	Hahanov, V; Babich, A; Sokolov, A; Pudov, V; Deterministic method of genetic algorithms of test generation for digital systems verification; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2002 10.1109/TCSET.2002.1015952
				15. Hahanov V. East-west design & test workshop. IEEE Des Test Comput [Internet]. 2006;23(6):504-5. Available from: www.scopus.com	Hacimahmud, Abdullayev Vugar; Mishchenko, Oleksandr; Hahanov, Vladimir; Soklakova, Tetiana; Moral Cyber-Social Computing for State and University; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2017

			16. Hahanov V, Kaminska M, Fomina E. Testability analysis of digital design verification. In: BEC 2006 - 2006 International Baltic Electronics Conference; Proceedings of the 10th Biennial Baltic Electronics Conference [Internet]; 20062006. p. 171-4. Available from: www.scopus.com DOI: 10.1109/BEC.2006.311090	Hahanov, Vladimir; Iemeljanov, Igor; Chumachenko, Svetlana; Hahanov, Ivan; Hahanova, Irina; Quantum Sequencer for the Minimal Test Synthesis of Black-box Functionality; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2017
			17. Hahanov V, Kteaman H, Ghribi W, Fomina E. HEDEFS - Hardware embedded deductive fault simulation. In: IFAC Proceedings Volumes (IFAC-PapersOnline) [Internet]; 20062006. p. 25-9. Available from: www.scopus.com	Hahanov, Vladimir; Gharibi, Wajeb; Litvinova, Eugenia; Liubarskyi, Mykhailo; Hahanova, Anastasia; Quantum Memory-driven Computing for Test Synthesis; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2017
			18. Hahanov V, Obrizan V, Yeliseev V, Ghribi W. Hierarchical testing of complex digital systems. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 426-9. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404571	Ziarmand, Artur; Chumachenko, Svetlana; Hahanov, Vladimir; Litvinova, Eugenia; Cloud Traffic Control: Smart Traffic-Driven Streetlight; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2017
			19. Hahanov V, Kiyaschenko A, Parfeniy A, Ktiaman H. Hardware/software method of digital SoC verification. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 384-7. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404559	Ziarmand, Artur; Litvinova, Eugenia; Chumachenko, Svetlana; Hahanov, Vladimir; Cloud-Driven Traffic Control: Route Service Metric; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2017
			20. Hahanov V, Melnikova O, Melnik D, Levchenko P. CAD tools for CORDIC IP cores generation. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science	Hahanov, Vladimir; Litvinova, Eugenia; Chumachenko, Svetlana; Green Cyber-Physical Computing as Sustainable Development Model; GREEN IT ENGINEERING:

			Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 375-8. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404556	COMPONENTS, NETWORKS AND SYSTEMS IMPLEMENTATION; 2017 105 10.1007/978-3-319-55595-9_4
			21. Hahanov V, Obrizan V, Hahanova I, Fomina E. Verification of digital system by a new asserting mechanism based on IEEE 1500 SECT standard. In: Proceedings of the International Conference on Mixed Design of Integrated Circuits and Systems, MIXDES 2006 [Internet]; 20062006. p. 544-8. Available from: www.scopus.com	Guo, Haochang; Man, Ka Lok; Ren, Qilei; Huang, Qian; Hahanov, Vladimir; Litvinova, Eugenia; Chumachenko, Svetlana; FPGA Implementation of VLC Communication Technology; 2017 31ST IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION NETWORKING AND APPLICATIONS WORKSHOPS (IEEE WAINA 2017); 2017 10.1109/WAINA.2017.54
			22. Hahanov V, Filippenko I, Lavrova L. Contemporary RFID systems and identification problems. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 343-4. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297574	Hahanov, Vladimir; Gharibi, Wajeb; Litvinova, Eugenia; Chumachenko, Svetlana; Cosmological Computing and Genome-Algorithm of the Universe; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2016
			23. Hahanov V, Chumachenko S, Melnik D, Taran A. SUM IP core generator for solving task for RKHS series summation. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 258-9. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297539	Hahanov, Vladimir; Hussein, Mazen Abdelrahman Abdelaziz; Hahanova, Anna; Man, Ka Lok; Cyber Physical Computing; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2016

			24. Hahanov V, Yegorov O, Mostova K, Kovalyov E. Verification challenges of NoC architectures. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 266-9. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297543	Hahanov, Vladimir; Litvinova, Eugenia; Chumachenko, Svetlana; Liubarskyi, Mykhailo; Qubit Description of the Functions and Structures for Computing; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2016
			25. Hahanov V, Obrizan V, Gavryushenko A, Mikhtonyuk S. Parallel logic Simulation using multi-core workstations. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 256-7. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297538	Mishchenko, Oleksandr; Hahanov, Vladimir; Abdullayev, Vugar; Litvinova, Eugenia; Chumachenko, Svetlana; Hahanova, Anastasya; Cloud Service for University E-government; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2016
			26. Kaminska M, Hahanov V, Hahanova A, Parfentiy A. Fault coverage improving based on testability analysis of the VHDL code. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 354-6. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297578	Hahanov, Vladimir; Mishchenko, Oleksandr; Litvinova, Eugenia; Chumachenko, Svetlana; Big Data Driven Smart Cyber University; PROCEEDINGS 2016 IEEE WORLD CONGRESS ON SERVICES - SERVICES 2016; 2016 10.1109/SERVICES.2016.33
			27. Hahanov VI, Kaminska MO, Ghribi W, Hahanova AV. Hardware fault free simulation for SOC. In: Proceedings of the 14th International Conference "Mixed Design of Integrated Circuits and Systems", MIXDES 2007 [Internet]; 20072007. p. 424-8. Available from: www.scopus.com DOI: 10.1109/MIXDES.2007.4286197	Hahanov, Vladimir; Chumachenko, Svetlana; Mishchenko, Alexander; Sergienko, Vladislav; Hahanova, Yulia; Cloud Services of Smart Cyber University; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016

			28. Hahanov V, Kamenuka E, Kteiman H, Ghribi W, Radivilova T. High-speed method of hardware simulation. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 222-5. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297530	Hahanov, Vladimir; Litvinova, Eugenia; Brazhnikova, Maria; Hahanova, Anastasia; Cyber Democracy and Digital Relationship; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
			29. Hahanov VI, Chumachenko SV, Gharibi W, Litvinova E. Algebra-logical method for SoC embedded memory repair. In: Proceedings of The 15th International Conference Mixed Design of Integrated Circuits and Systems, MIXDES 2008 [Internet]; 20082008. p. 481-6. Available from: www.scopus.com	Palanichamy, Manikandan; Mohammad, Areef; Larsen, Bjorn B.; Hahanov, Vladimir; Selective Algorithms for Built-In Self-Test and Self-Diagnosis in Embedded SRAMS; JOURNAL OF LOW POWER ELECTRONICS; 2015 11 10.1166/jolpe.2015.1412
			30. Hahanov V, Litvinova E, Mostovaya K. Optimization of memory faults coverage by spares. Elektron Elektrotech [Internet]. 2008(2):17-22. Available from: www.scopus.com	Hahanov, Vladimir; Chumachenko, Svetlana; Litvinova, Eugenia; Adamov, Alexander; Sorudeykin, Kirill; Structures for Information Retrieval in Big Data; PROCEEDINGS OF XIIIITH INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015
			31. Hahanov V, Litvinova E, Obrizan V, Gharibi W. Embedded method of SoC diagnosis. Elektron Elektrotech [Internet]. 2008(8):3-8. Available from: www.scopus.com	Hahanov, Vladimir; Miz, Volodymyr; Litvinova, Eugenia; Mishchenko, Alexander; Shcherbin, Dmitry; Big Data Driven Cyber Physical Systems; PROCEEDINGS OF XIIIITH INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015

			32. Hahanov V, Litvinova E, Krasnoyaruhszkaya K, Galagan S. Diagnosis of SoC faulty memory cells for embedded repair. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'08 [Internet]; 2008. p. 143-8. Available from: www.scopus.com DOI: 10.1109/EWDTs.2008.5580144	Hahanov, Vladimir; Miz, Volodymyr; Big Data Driven Healthcare Services and Wearables; PROCEEDINGS OF XIII TH INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015
			33. Hahanov V, Guz O, Kulbakova N, Davydov M. Vector-logical diagnosis method for SOC functionalities. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'08 [Internet]; 2008. p. 159-62. Available from: www.scopus.com DOI: 10.1109/EWDTs.2008.5580136	Abdullayev, Vugar; Hahanov, Vladimir; Litvinova, Eugenia; Farid, Dahiri; Arefiev, Anton; Hahanova, Yulia; Cloud Service - Cyber Social Democracy and Smart University; PROCEEDINGS OF 2015 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2015
			34. Hahanov V, Hahanova A, Obrizan V, Zaharov K. Technologies for hardware simulation and verification. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 2008. p. 560-4. Available from: www.scopus.com	Gerasimenko, Konstantin; Amer, Tamer Bani; Hahanov, Vladimir; Pryimak, Aleksey; Method for Functional Testing Critical Control Systems; PROCEEDINGS OF 2015 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2015
			35. Hahanov V, Melnik D, Zaharchenko O, Zaychenko S. Overview of object-oriented approach to HDL-testbench construction for system-on-chips. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 2008. p. 621-5. Available from: www.scopus.com	Gharibi, Wajeb; Hahanov, Vladimir; Litvinova, Eugenia; Hahanov, Ivan; Quantum Structures for Digital Systems Synthesis; PROCEEDINGS OF 2015 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2015
			36. Hahanov V, Hahanova A, Chumachenko S, Galagan S. Diagnosis and repair method of SoC memory. WSEAS Trans Circuits Syst [Internet]. 2008;7(7):698-707. Available from: www.scopus.com	Hahanov, Vladimir; Gharibi, Wajeb; Shcherbin, Dmitry; Iemelianov, Igor; Quantum Processor for Digital Systems Analysis; PROCEEDINGS OF 2015 IEEE EAST-WEST

					DESIGN & TEST SYMPOSIUM (EWDTS); 2015
				37. Hahanov V, Obrizan V, Litvinova E, Man KL. Algebra-logical diagnosis model for SoC F-IP. WSEAS Trans Circuits Syst [Internet]. 2008;7(7):708-17. Available from: www.scopus.com	Hahanov, Vladimir; Mishchenko, Alexander; Chumachenko, Svetlana; Hussein, Mazen Abdelrahman Abdelaziz; Hahanova, Anastasya; Filippenko, Inna; CyUni Service - Smart Cyber University; PROCEEDINGS OF 2015 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2015
				38. Hahanov V, Gharibi W, Mostovaya K. Embedded method of soc memory repairing. Elektron Elektrotech [Internet]. 2009(2):55-60. Available from: www.scopus.com	Hahanov, Vladimir; Amer, Tamer Bani; Chumachenko, Svetlana; Hahanov, Ivan; Cloud-Driven Traffic Control: Feasibility and Advantages; 2015 4TH MEDITERRANEAN CONFERENCE ON EMBEDDED COMPUTING (MECO); 2015
				39. Hahanov V, Vasilenko V, Kulbakova N, Gharibi W. Vector-logical approach to diagnosis of SoC components. In: Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 10th International Conference, CADSM 2009 [Internet]; 20092009. p. 301-4. Available from: www.scopus.com	Hahanov, Vladimir; Yemelyanov, Igor; Obrizan, Volodymyr; Hahanov, Ivan; Quantum Diagnosis and Simulation of SoC; 2015 XI INTERNATIONAL CONFERENCE ON PERSPECTIVE TECHNOLOGIES AND METHODS IN MEMS DESIGN (MEMSTECH); 2015
				40. Hahanov V, Pokrova S, Yves T, Gorobets A. Embedded testing for SOC functionality. In: Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 10th International Conference, CADSM 2009 [Internet]; 20092009. p. 29-33. Available from: www.scopus.com	Hahanov, V., I; Hyde, Stanley M.; Gharibi, Wajeb; Litvinova, E., I; Chumachenko, S., V; Hahanova, I., V; Quantum Models and Method for Analysis and Testing Computing Systems; 2014 11TH INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY: NEW GENERATIONS (ITNG); 2014 10.1109/ITNG.2014.125

			41. Hahanov V, Litvinova E, Umerah NC, Guz O. Embedded diagnosis and repairing of SoC memory. In: Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 10th International Conference, CADSM 2009 [Internet]; 20092009. p. 296-300. Available from: www.scopus.com	Adamov, Alexander; Hahanov, Vladimir; Carlsson, Anders; Discovering New Indicators for Botnet Traffic Detection; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2014
			42. Hahanov V, Chumachenko S, Gharibi W, Umerah NC. Algebra-logical fault diagnosis method for SoC functional blocks. In: IFAC Proceedings Volumes (IFAC-PapersOnline) [Internet]; 20092009. p. 42-8. Available from: www.scopus.com	Hahanov, Vladimir; Zaychenko, Sergey; Varchenko, Valeria; Method for Diagnosing SoC HDL-code; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2014
			43. Hahanov V, Litvinova E, Guz O, Yves T. Algebra-logical diagnosis and repair method for SoC memory. In: IFAC Proceedings Volumes (IFAC-PapersOnline) [Internet]; 20092009. p. 13-8. Available from: www.scopus.com	Hahanov, Vladimir; Gharibi, Wajeb; Kudin, A. P.; Hahanov, Ivan; Cristopher, Ngene; Yeve, Tiekura; Krulevska, Daria; Yerchenko, Anastasya; Mishchenko, Alexander; Shcherbin, Dmitry; Priymak, Aleksey; Cyber Physical Social Systems - Future of Ukraine; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2014
			44. Man KL, Mercaldi M, Hahanov V, Prinetto P, Poncino M, MacIi A, Choi J, Li W, Schellekens M, Popovici E, Seon J-, Rossi U, Fummi F, Pravadelli G, Lam YF, PavLov V, Patel A, Huang J, Vallee T, Boubekeur M, Sokolova A, Almerares S, Donno M, Cho J-, Alam AZ, Provan G, VeleV MN, Nasir Uddin M, Botchkarev A, Bosnacki D, Hickey D, O'Keeffe M, Krilavičius T, Pastrnak M, Herbert J, Lu Z-, Pan J-, Chang C-, Horng M-, Chen L, Lim C-, Tao NQ, Deb S, Merniz S, Valero O, Yi Y, Woods D, Vedrine F, Monsuez B, Yen K, Matsuura T, Timothy Edwards R, Tveretina O, Fino MH, O'Riordan AP, Labiak G, Gaur	Hahanov, Vladimir; Gharibi, Wajeb; Abramova, L. S.; Chumachenko, Svetlana; Litvinova, Eugenia; Hahanova, Anna; Rustinov, Vladimir; Miz, Vladimir; Zhalilo, Aleksey; Ziarmand, Artur; Cyber Physical System - Smart Cloud Traffic Control; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2014

			MS, Chang J, Chung Y-, Derezinska A, Cho K-, Zhang Y, Liutkevičius R, Zeng Y, Vasudevan DP, Bukowiec A, Kitsos P, Goudarzi M, Dong JS, Bhalla A, Al-Khalili D, Navabi Z, Zinchenko L, Anjum MA, Narasimha DL, Hughes D, Tadjouddine EM, Wang J, Kumar APS, Jaisankar N, Mansoor A, Hollands S, Mohammadi S, Klein F, Westermann P, English T, Planas MM, Chung C, Chakrabarti A, Lei C-, Bamakhrama M, Naik BR, Harte S, Yin A, Giancardi L, Mady AE-, Joseph A, Khandekar PD, Pandey HM. DATICS-2010: Welcome message from workshop organizers: FutureTech 2010. Int Conf Future Inf Technol , FutureTech - Proc [Internet]. 2010 Available from: www.scopus.com	
			45. Hahanov VI, Gharibi W, Guz O. Brain-like infrastructure for embedded SoC diagnosis. In: 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2010 - Proceedings [Internet]; 2010. p. 9-14. Available from: www.scopus.com DOI: 10.1109/AQTR.2010.5520841	Miz, Volodymyr; Hahanov, Vladimir; Smart traffic light in terms of the Cognitive road traffic management system (CTMS) based on the Internet of Things; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2014
			46. Adamov A, Hahanov V. Security risks in hardware: Implementation and detection problem. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS'10 [Internet]; 2010. p. 425-7. Available from: www.scopus.com DOI: 10.1109/EWDTS.2010.5742118	Hahanov, Vladimir; Man, Ka Lok; Abbas, Baghdadi Ammar Awni; Litvinova, Eugenia; Chumachenko, Svetlana; Ahn, Jihyeok; Kim, Kyung Ki; TAB-model for Multilevel Diagnosis and Repair of HDL SoC; 2014 INTERNATIONAL SOC DESIGN CONFERENCE (ISOCC); 2014
			47. Gharibi W, Hahanov V. SoC design verification infrastructure. In: 2010 11th International Workshop on Symbolic and Numerical Methods, Modeling and Applications to Circuit Design, SM2ACD 2010 [Internet]; 2010. Available from: www.scopus.com DOI: 10.1109/SM2ACD.2010.5672359	Hahanov, Vladimir; Litvinova, Eugenia; Gharibi, Wajeb; Chumachenko, Svetlana; iCloud Traffic Control and Monitoring; 2014 UKSIM-AMSS 16TH INTERNATIONAL CONFERENCE ON COMPUTER MODELLING AND SIMULATION

					(UKSIM); 2014 10.1109/UKSim.2014.33
				48. Hahanov V, Pobizhenko I, Yves T. Logical method for detecting faults by fault detection table. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 2010. p. 215-7. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742148	Hong, Min; Hahanov, Vladimir; Yu, Chen; Special issue on UIT (Ubiquitous Information Technology) for multimedia systems; MULTIMEDIA TOOLS AND APPLICATIONS; 2013 67 10.1007/s11042-013-1431-y
				49. Hahanov V, Litvinova E, Priymak A. Table data structures for cyber space. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 2010. p. 118-22. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742150	Kim, SooKyun; Duh, Henry; Sarhan, Nabil J.; Hahanov, Vladimir; Real-time multimedia computing; MULTIMEDIA TOOLS AND APPLICATIONS; 2013 65 10.1007/s11042-013-1428-6
				50. Hahanov V, Hahanova A, Zakaryan V. Cyber space evolution. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 2010. p. 208-14. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742127	Afolabi, David; Shen, Zhun; Krilavicius, Tomas; Hahanov, Vladimir; Litvinova, Eugenia; Chumachenko, Svetlana; Man, Ka Lok; Liang, Hai-Ning; Zhang, Nan; Zalandauskas, Tomas; REAL-TIME VIBRATION REDUCTION IN UAV'S IMAGE SENSORS USING EFFICIENT HOUGH TRANSFORM; PROCEEDINGS OF THE 8TH INTERNATIONAL CONFERENCE ON ELECTRICAL AND CONTROL TECHNOLOGIES; 2013
				51. Hahanov V, Mishchenko A, Varetsa V. Metrics of vector logic algebra for cyber space. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 2010. p. 204-7. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742149	Abbas, Baghdadi Ammar Awni; Hahanov, V., I; Manikandan, Palanichamy; Litvinova, E., I; Dementiev, S.; Quantum modeling and repairing digital systems; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs 2013); 2013

			52. Hahanov V, Gharibi W, Chumachenko S, Litvinova E. Vector logic analysis of associative matrices. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 2010. p. 110-7. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742126	Afolabi, David; Man, Ka Lok; Liang, Hai-Ning; Lim, Eng Gee; Shen, Zhun; Lei, Chi-Un; Krilavicius, Tomas; Yang, Yue; Cheng, Lixin; Hahanov, Vladimir; Yemelyanov, Igor; A WSN Approach to Unmanned Aerial Surveillance of Traffic Anomalies: Some Challenges and Potential Solutions; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs 2013); 2013
			53. Hahanov V, Gharibi W, Litvinova E, Chumachenko S. Cyber space and brain-like computing. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 2010. p. 98-109. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742125	Gharibi, Wajeb; Hahanov, V., I; Carlsson, Anders; Hahanova, I., V; Filippenko, I., V; Quantum Technology for Analysis and Testing Computing Systems; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs 2013); 2013
			54. Hahanov V, Sushanov A, Stepanova Y, Gorobets A. System in Package. Diagnosis and embedded repair. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 2010. p. 468-72. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742115	Hahanov, V. I.; Litvinova, E. I.; Chumachenko, S. V.; Abbas, Baghdadi Ammar Awni; Mandefro, Eshetie Abebech; Qubit Model for Solving the Coverage Problem; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs 2013); 2013
			55. Hahanov V, Litvinova E, Gharibi W, Guz O. Coverage method for FPGA fault logic blocks by spares. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 2010. p. 51-6. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742089	Hahanov, V. I.; Litvinova, E. I.; Frolov, A.; Yves, Tiecoura; Models for Embedded Repairing Logic Blocks; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs 2013); 2013

			56. Hahanov V, Galagan S, Olchovoy V, Priymak A. Algebra-logical repair method for FPGA logic blocks. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 20102010. p. 482-7. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742108	Hahanov, V., I; Gus, O. A.; Ziarmand, A.; Umerah, Ngene Christopher; Arefjev, A.; Cloud Traffic Control System; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs 2013); 2013
			57. Hahanov V, Hahanova I, Umerah NC, Yves T. Testing and verification of HDL-models for SoC components. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 20102010. p. 77-82. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742112	Hahanov, V., I; Hahanova, I., V; Litvinova, E., I; Chumachenko, S., V; Priymak, A.; Maksimov, M.; Yves, Tieceura; Jararweh (Jordan), Malek Jehad Mohammad; Quantum models for description of digital systems; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs 2013); 2013
			58. Hahanov V, Guz O, Umerah NC, Olhovoy V. Process models for analyzing associative data structures. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 20102010. p. 123-7. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742151	Hahanov, Vladimir; Mostova, Karyna; Paschenko, Oleksandr; Assertion Based Method of Functional Defects for Diagnosing and Testing Multimedia Devices; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs 2013); 2013
			59. Hahanov VI, Gharibi W, Litvinova EI, Umerah NC. Logic associative multiprocessor for information analysis. In: BEC 2010 - 2010 12th Biennial Baltic Electronics Conference, Proceedings of the 12th Biennial Baltic Electronics Conference [Internet]; 20102010. p. 169-72. Available from: www.scopus.com DOI: 10.1109/BEC.2010.5630712	Hahanov, Vladimir; Miz, Volodymyr; Quantum computing approach for shortest route finding; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs 2013); 2013
			60. Man KL, Mercaldi M, Hahanov V, Prinetto P, Poncino M, MacLi A, Choi J, Li W, Schellekens M, Popovici E, Seon J-, Rossi U, Fummi F, Pravadelli G, Lam YF, PavLov V, Patel A, Huang J, Vallee T,	Mercaldi, Michele; D'Oria, Andrea; Murru, Davide; Liang, Hai-Ning; Man, Ka Lok; Lim, Eng Gee; Hahanov, Vladimir; Alexander, Mischenko; Internet of Things: A Practical

			<p>Boubekeur M, Sokolova A, Almerares S, Donno M, Cho J-, Zahirul Alam AHM, Provan G, Velez MN, Uddin MN, Botchkarev A, Bosnacki D, Hickey D, O'Keeffe M, Krilavičius T, Pastrnak M, Herbert J, Lu Z-, Pan J-, Chang C-, Horng M-, Chen L, Lim C-, Tao NQ, Deb S, Merniz S, Valero O, Yi Y, Woods D, Vedrine F, Monsuez B, Yen K, Matsuura T, Edwards RT, Tveretina O, Fino MH, O'Riordan AP, Labiak G, Gaur MS, Chang J, Chung Y-, Derezsinska A, Cho K-, Zhang Y, Liutkevičius R, Zeng Y, Vasudevan DP, Bukowiec A, Kitsos P, Goudarzi M, Dong JS, Bhalla A, Al-Khalili D, Navabi Z, Zinchenko L, Anjum MA, Narasimha DL, Hughes D, Tadjouddine EM, Wang J, Kumar APS, Jaisankar N, Mansoor A, Hollands S, Mohammadi S, Klein F, Westermann P, English T, Planas MM, Chung C, Chakrabarti A, Lei C-, Bamakhrama M, Naik BR, Harte S, Yin A, Giancardi L, El-Din Mady A, Joseph A, Khandekar PD, Pandey HM, Bharti V, O'Mullane M, Chen C. Preface of the 2010 IAENG international conference on electrical engineering special session: Design, analysis and tools for integrated circuits and systems. Proc Int MultiConference Eng Comput Sci , IMECS Proc CD [Internet]. 2010:1333-5. Available from: www.scopus.com</p>	<p>Implementation based on a Wireless Sensor Network Approach; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013</p>
			<p>61. Gharibi W, Hahanov V, Litvinova E. Associative logical information analysis for cyber space. In: 2011 11th International Conference - The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2011 [Internet]; 2011:2011. p. 190-9. Available from: www.scopus.com</p>	<p>Hahanov, Vladimir; Chumachenko, Svetlana; Hahanova, Anna; Dementiev, Sergey; Qubit Models for Logic Circuits; 2013 12TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013);</p>

					2013
				62. Hahanov V, Guz O, Umerah NC. Process models for analyzing associative data structures. In: 2011 11th International Conference - The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2011 [Internet]; 20112011. p. 344-7. Available from: www.scopus.com	Hahanov, Vladimir; Hayford, Asiedu; Ahmetoglu, Ahmet Hamdi; Nurmyradovich, Jerbarov Dovlet; Abeid, Asya Mohammed; Stanley, Oghumu; Pentesting and Vulnerability Diagnosis; 2013 12TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013); 2013
				63. Hahanov V, Chumachenko S, Mostovaya K. Metrics of vector logic algebra for cyber space. In: 2011 11th International Conference - The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2011 [Internet]; 20112011. p. 183-5. Available from: www.scopus.com	Hong, Min; Hahanov, Vladimir; Yu, Chen; Special Issue on Ubiquitous Information Technology for Enhanced Mobile Systems; INFORMATION-AN INTERNATIONAL INTERDISCIPLINARY JOURNAL; 2011 14
				64. Hahanov V, Yves T, Pashchenko A, Olhovoy V. Algebra-logical method of fault diagnosis. In: 2011 11th International Conference - The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2011 [Internet]; 20112011. p. 186-7. Available from: www.scopus.com	Hahanov, V. I.; Gharibi, Wajeb; Guz, Olesya; Brain-Like Infrastructure for Embedded SoC Diagnosis; Brain-Like Infrastructure for Embedded SoC Diagnosis; PROCEEDINGS OF 2010 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR 2010), VOLS. 1-3; 2010
				65. Hong M, Hahanov V, Yu C. Editorial: Special issue on ubiquitous information technology for enhanced mobile systems. Information [Internet]. 2011;14(7):2183. Available from: www.scopus.com	Hahanov, V.; Gharibi, W.; Mostovaya, K.; Embedded Method of Soc Memory Repairing; ELEKTRONIKA IR ELEKTROTEHNIKA; 2009

			66. Hahanov V, Gharibi W, Litvinova E, Chumachenko S. Information analysis infrastructure for diagnosis. Information [Internet]. 2011;14(7):2419-33. Available from: www.scopus.com	Hahanov, Vladimir; Pokrova, Sophia; Yves, Tiecoura; Gorobets, Alexander; Embedded Testing for SOC Functionality; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2009
			67. Man KL, Mercaldi M, Ma J, Hahanov V, Prinetto P, Poncino M, Macii A, Choi J, Li W, Schellekens M, Popovici E, Dong JS, Al-Khalili D, Navabi Z, Zinchenko L, Anjum MA, Narasimha DL, Hughes D, Wang J, Sathish Kumar AP, Jaisankar N, Mansoor A, Hollands S, Mohammadi S, Klein F, Lim E, Lee K, Mahanti P, Wan K, Tillo T, Wu Y, Huang WC, Sasaki M, Sahula V, Boolchandani D, Wang Z, Shandilya SK, Voeten JPM, Lei C-, English T, Planas MM, Chung C, Harte S, Yin A, Giancardi L, Mady AE-, Khandekar PD, Pandey HM, Bharti V, Wang Y, Lu C. Preface of the 2011 IAENG international conference on electrical engineering special session: Design, analysis and tools for integrated circuits and systems. IMECS - Int MultiConference Eng Comput Scientists [Internet]. 2011;2:1028-30. Available from: www.scopus.com	Hahanov, Vladimir; Litvinova, Eugenia; Umerah, Ngene Christopher; Guz, Olesya; Embedded Diagnosis and Repairing of SoC Memory; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2009
			68. Hahanov V, Zorian Y. Conference reports. IEEE Des Test Comput [Internet]. 2011;28(6):94-5. Available from: www.scopus.com	Hahanov, Vladimir; Vasilenko, Vasilina; Kulbakova, Natalya; Gharibi, Wajeb; Vector-Logical Approach to Diagnosis of SOC Components; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2009
			69. Hahanov V. Infrastructure intellectual property for SoC simulation and diagnosis service; 2011. 289 p. Available from: www.scopus.com DOI: 10.1007/978-3-642-17545-9_12	Hahanov, Vladimir; Lityinova, Eugenia; Gharibi, Wajeb; Guz, Olesya; EMBEDDED MEMORY REPAIR TECHNIQUE FOR SOC; INFORMATION TECHNOLOGIES' 2009;

					2009
				70. Umerah NC, Ivanovich HV. A diagnostic model for detecting functional violation in HDL-code of system-on-chip. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'2011 [Internet]; 2011. p. 299-302. Available from: www.scopus.com DOI: 10.1109/EWDTs.2011.6116605	Hahanov, V.; Litvinova, E.; Mostovaya, K.; Optimization of memory faults coverage by spares; ELEKTRONIKA IR ELEKTROTEHNIKA; 2008
				71. Adamov A, Hahanov V. A security model of individual cyberspace. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'2011 [Internet]; 2011. p. 169-72. Available from: www.scopus.com DOI: 10.1109/EWDTs.2011.6116597	Hahanov, V. I.; Chumachenko, S. V.; Gharibi, W.; Litvinova, E.; Algebra-logical method for SOC embedded memory repair; MIXDES 2008: PROCEEDINGS OF THE 15TH INTERNATIONAL CONFERENCE ON MIXED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS; 2008
				72. Hahanov V, Mostova K, Paschenko O. Infrastructure for testing and diagnosing multimedia devices. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'2011 [Internet]; 2011. p. 394-9. Available from: www.scopus.com DOI: 10.1109/EWDTs.2011.6116423	Hahanov, V. I.; Hahanova, A. V.; Chumachenko, S. V.; Galagan, S. S.; OPTIMAL EMBEDDED REPAIRING OF SOC MEMOR; PROCEEDINGS OF THE 12TH WSEAS INTERNATIONAL CONFERENCE ON CIRCUITS: NEW ASPECTS OF CIRCUITS; 2008
				73. Hahanov V, Park DW, Guz O, Priymak A. Verification and diagnosis of SoC HDL-code. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'2011 [Internet]; 2011. p. 72-83. Available from: www.scopus.com DOI: 10.1109/EWDTs.2011.6116418	Hahanov, Vladimir; Obrizan, Vladimir; Litvinova, Eugenia; Man, Ka Lok; EMBEDDED SOC F-IP DIAGNOSIS BY USING ALGEBRAIC LOGICAL METHOD; PROCEEDINGS OF THE 12TH WSEAS INTERNATIONAL CONFERENCE ON CIRCUITS: NEW ASPECTS OF CIRCUITS; 2008

			74. Hahanov V, Gharibi W, Park DW, Litvinova E. Cybercomputer for information space analysis. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'2011 [Internet]; 2011. p. 66-71. Available from: www.scopus.com DOI: 10.1109/EWDTs.2011.6116416	Hahanov, Vladimir; Kamenuka, Eugeny; Kteiman, Hassan; Ghribi, Wade; Radivilova, Tamara; High-speed method of hardware simulation; 2007 PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2007 10.1109/CADSM.2007.4297530
			75. Hahanov V, Mischenko A, Chumachenko S, Hahanova A, Priymak A. Spam diagnosis infrastructure for individual cyberspace. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'2011 [Internet]; 2011. p. 161-8. Available from: www.scopus.com DOI: 10.1109/EWDTs.2011.6116408	Hahanov, Vladimir; Obrizan, Volodymyr; Gavryushenko, Andrey; Mikhtonyuk, Sergey; Parallel logic simulation using multi-core workstations; 2007 PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2007 10.1109/CADSM.2007.4297538
			76. Yves T, Hahanov V, Alnahhal O, Maksimov M, Shcherbin D, Yudin D. Diagnosis infrastructure of software-hardware systems. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'2011 [Internet]; 2011. p. 84-9. Available from: www.scopus.com DOI: 10.1109/EWDTs.2011.6116425	Hahanov, Vladimir; Chumachenko, Svetlana; Melnik, Dmitriy; Taran, Alina; SUM IP Core Generator for solving task for RKHS series summation; 2007 PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2007 10.1109/CADSM.2007.4297539
			77. Bondarenko MF, Hahanov VI, Litvinova EI. Logical associative multiprocessor structure. Autom Remote Control [Internet]. 2012;73(10):1648-66. Available from: www.scopus.com	Hahanov, Vladimir; Yegorov, Oleksandr; Mostova, Karyna; Kovalyov, Eugene; Verification challenges of NoC architectures; 2007 PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON THE

					EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2007 10.1109/CADSM.2007.4297543
				78. Hahanov V, Chumachenko S, Abbas BAA, Maksimov M. Multimatrix processor for cyberspace analysis. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 243. Available from: www.scopus.com	Hahanov, Vladimir; Filippenko, Inna; Lavrova, Lena; Contemporary RFID systems and identification problems; 2007 PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2007 10.1109/CADSM.2007.4297574
				79. Hahanov V, Hahanova I, Guz O, Abbas MA. Quantum models for data structures and computing. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 291. Available from: www.scopus.com	Kaminska, Maryna; Hahanov, Vladimir; Hahanova, Anna; Parfentiy, Alexander; Fault coverage improving based on testability analysis of the VHDL code; 2007 PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2007 10.1109/CADSM.2007.4297578
				80. Hahanov V, Litvinova E, Hahanova Y, Gharibi W. Fault detection of system level SoC model. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 290. Available from: www.scopus.com	Hahanov, V. I.; Kaminska, M. A.; Lavrova, O.; Testability analysis of the VHDL structure for fault coverage improving; ELEKTRONIKA IR ELEKTROTEHNIKA; 2007
				81. Afolabi D, Shen Z, Krilavičius T, Hahanov V, Litvinova E, Chumachenko S, Man KL, Liang H-, Zhang N, Žalandauskas T. Real-time vibration reduction in UAV'S image sensors using efficient Hough	Hahanov, V.; Yegorov, O.; Mostova, K.; NoCs design for verification; ELEKTRONIKA IR ELEKTROTEHNIKA; 2007

			transform. In: 8th International Conference on Electrical and Control Technologies, ECT 2013 [Internet]; 20132013. p. 50-2. Available from: www.scopus.com		
			82. Kim S, Duh H, Sarhan NJ, Hahanov V. Real-time multimedia computing. Multimedia Tools Appl [Internet]. 2013;65(2):181-6. Available from: www.scopus.com		Hahanov, V. I.; Kaminska, M. O.; Ghribi, W.; Hahanova, A. V.; Hardware fault free simulation for SOC; MIXDES 2007: Proceedings of the 14th International Conference on Mixed Design of Integrated Circuits and Systems; 2007
			83. Hahanov V, Gharibi W, Man KL, Litvinova E, Chumachenko S, Guz O. Intelligent road control and monitoring; 2013. 327 p. Available from: www.scopus.com DOI: 10.1007/978-94-007-6516-0_36		Hahanov, V.; Kaminska, M.; Fomina, E.; Testability analysis of digital design verification; 2006 INTERNATIONAL BALTIC ELECTRONICS CONFERENCE, PROCEEDINGS; 2006
			84. Hahanov V, Chumachenko S, Hahanova A, Dementiev S. Qubit models for logic circuits. In: 2013 12th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2013 [Internet]; 20132013. p. 115-9. Available from: www.scopus.com		Hahanov, V.; Obrizan, V.; Hahanova, I.; Fomina, E.; Verification of digital system by a new asserting mechanism based on IEEE 1500 SECT standard; PROCEEDINGS OF THE INTERNATIONAL CONFERENCE MIXED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS; 2006 10.1109/MIXDES.2006.1706639
			85. Hahanov V, Hayford A, Ahmetoglu AH, Nurmyradovich JD, Abeid AM, Stanley O. Pentesting and vulnerability diagnosis. In: 2013 12th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2013 [Internet]; 20132013. p. 127-31. Available from: www.scopus.com		Hahanov, Vladimir; Melnikova, Olga; Melnik, Dmitriy; Levchenko, Philat; CAD tools for CORDIC IP Cores generation; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006

			86. Hong M, Hahanov V, Yu C. Special issue on UIT (ubiquitous information technology) for multimedia systems. Multimedia Tools Appl [Internet]. 2013;67(2):337-40. Available from: www.scopus.com	Hahanov, Vladimir; Kiyaschenko, Anna; Parfeniy, Alexander; Ktiaman, Hassan; Hardware/software method of digital SoC verification; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006
			87. Hahanov V, Miz V. Quantum computing approach for shortest route finding. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673095	Hyduke, S; Hahanov, V; Obrizan, V; Guz, O; PRUS - Processor network for digital circuit implementation; DSD 2005: 8th Euromicro Conference on Digital System Design, Proceedings; 2005
			88. Hahanov V, Mostova K, Paschenko O. Assertion based method of functional defects for diagnosing and testing multimedia devices. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673172	Hahanov, VI; Melnikova, OV; Hahanova, IV; Chamyan, HL; Topological method of fault simulation; BEC 2004: Proceeding of the 9th Biennial Baltic Electronics Conference; 2004
			89. Hahanov VI, Litvinova EI, Frolov A, Yves T. Models for embedded repairing logic blocks. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673158	Hahanov, V; Melnikova, O; Zaychenko, S; Guz, O; Topological fault simulation method; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2004
			90. Abbas BAA, Hahanov VI, Manikandan P, Litvinova EI, Dementiev S. Quantum modeling and repairing digital systems. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673087	Hahanov, V; Hahanova, I; Hyduke, S; Topological BDP fault simulation method; PROCEEDINGS OF THE EUROMICRO SYSTEMS ON DIGITAL SYSTEM DESIGN; 2004

			91. Gharibi W, Hahanov VI, Carlsson A, Hahanova IV, Filippenko IV. Quantum technology for analysis and testing computing systems. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013. Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673085	Hahanov, V; Yegorov, A; Obrizan, V; Parfentiy, A; Structural analysis for digital devices for the simulation system; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2003 10.1109/CADSM.2003.1255056
			92. Hahanov VI, Gus OA, Ziarmant A, Umerah NC, Arefjev A. Cloud traffic control system. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013. Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673092	Hahanov, V; Sysenko, I; Kolesnikov, K; Backtraced deductive-parallel fault simulation for digital circuits; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2003 10.1109/CADSM.2003.1255097
			93. Hahanov VI, Litvinova EI, Chumachenko SV, Abbas BAA, Mandefro EA. Qubit model for solving the coverage problem. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013. Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673167	Hahanov, V; Krivoulya, G; Hahanova, I; Melnikova, O; Obrizan, V; High performance fault simulation for digital systems; IDAACS'2003: PROCEEDINGS OF THE SECOND IEEE INTERNATIONAL WORKSHOP ON INTELLIGENT DATA ACQUISITION AND ADVANCED COMPUTING SYSTEMS: TECHNOLOGY AND APPLICATIONS; 2003
			94. Hahanov V, Gharibi W, Abbas BAA, Chumachenko S, Guz O, Litvinova E. Cloud traffic monitoring and control. In: Proceedings of the 2013 IEEE 7th International Conference on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS 2013 [Internet]; 2013. p. 244-8. Available from: www.scopus.com DOI: 10.1109/IDAACS.2013.6662681	Hahanov, V; Skvortsova, O; Sysenko, I; Chamyan, H; ATPG system and test generation methods for digital devices; BEC 2002: Proceedings of the 8th Biennial Baltic Electronic Conference; 2002

			95. Mercaldi M, D'Oria A, Murru D, Liang H-, Man KL, Lim EG, Hahanov V, Alexander M. Internet of Things: A practical implementation based on a Wireless Sensor Network approach. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673161	Hahanov, V; Pudov, V; Sysenko, I; ATPG system and fault simulation methods for digital devices; PROGRAMMABLE DEVICES AND SYSTEMS 2001; 2002
			96. Hahanov VI, Hahanova IV, Litvinova EI, Chumachenko SV, Priymak A, Maksimov M, Yves T, Jararweh MJM. Quantum models for description of digital systems. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673086	Hahanov, VI; Babich, AV; Mehedi, MMD; System of digital device test generation for Active HDL; DESDES '1: PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON DISCRETE-EVENT SYSTEM DESIGN; 2001
			97. Afolabi D, Man KL, Liang H-, Lim EG, Shen Z, Lei C-, Krilavicius T, Yang Y, Cheng L, Hahanov V, Yemelyanov I. A WSN approach to unmanned aerial surveillance of traffic anomalies: Some challenges and potential solutions. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673163	Hahanov, V; Krivoulya, G; Rustinov, V; Sisenko, I; Egorov, A; Fault cubic simulation for digital devices; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2001 10.1109/CADSM.2001.975768
			98. Hahanov V, Gharibi W, Litvinova E, Chumachenko S. iCloud traffic control and monitoring. In: Proceedings - UKSim-AMSS 16th International Conference on Computer Modelling and Simulation, UKSim 2014 [Internet]; 2014. p. 159-62. Available from: www.scopus.com DOI: 10.1109/UKSim.2014.33	Hahanov, VI; Babich, AV; Abu Zanuneh, IMH; Designing of LAN models for diagnosis problem solving; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2001 10.1109/CADSM.2001.975851
			99. Hahanov V, Litvinova E, Gharibi W, Chumachenko S. Cyber physical system - iCloud traffic control. In: ITNG 2014 - Proceedings of the 11th International Conference on Information Technology: New	

				Generations [Internet]; 20142014. p. 426-9. Available from: www.scopus.com DOI: 10.1109/ITNG.2014.105		
				100. Hahanov VI, Hyduke SM, Gharibi W, Litvinova EI, Chumachenko SV, Hahanova IV. Quantum models and method for analysis and testing computing systems. In: ITNG 2014 - Proceedings of the 11th International Conference on Information Technology: New Generations [Internet]; 20142014. p. 430-4. Available from: www.scopus.com DOI: 10.1109/ITNG.2014.125		
				101. Miz V, Hahanov V. Smart traffic light in terms of the cognitive road traffic management system (CTMS) based on the Internet of Things. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2014 [Internet]; 20142014 Available from: www.scopus.com DOI: 10.1109/EWDTs.2014.7027102		
				102. Adamov A, Hahanov V, Carlsson A. Discovering new indicators for botnet traffic detection. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2014 [Internet]; 20142014 Available from: www.scopus.com DOI: 10.1109/EWDTs.2014.7027100		
				103. Hahanov V, Zaychenko S, Varchenko V. Method for diagnosing SoC HDL-code. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2014 [Internet]; 20142014 Available from: www.scopus.com DOI: 10.1109/EWDTs.2014.7027112		
				104. Hahanov V, Gharibi W, Abramova LS, Chumachenko S, Litvinova E, Hahanova A, Rustinov V, Miz V, Zhalilo A, Ziarmand A. Cyber physical system - smart cloud traffic control. In: Proceedings of IEEE		

				East-West Design and Test Symposium, EWDTs 2014 [Internet]; 20142014 Available from: www.scopus.com DOI: 10.1109/EWDTs.2014.7027107		
				105. Hahanov V, Gharibi W, Kudin AP, Hahanov I, Christopher N, Yeve T, Krulevska D, Yerchenko A, Mishchenko A, Shcherbin D, Priymak A. Cyber Physical Social Systems - future of Ukraine. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2014 [Internet]; 20142014 Available from: www.scopus.com DOI: 10.1109/EWDTs.2014.7027108		
				106. Hahanov V, Man KL, Awni Abbas BA, Litvinova E, Chumachenko S, Lim EG, Leach M. An extended HDL SoC TAB-model for diagnosability and repair. In: Lecture Notes in Engineering and Computer Science [Internet]; 20152015. p. 729-32. Available from: www.scopus.com		
				107. Hahanov V, Man KL, Abbas BAA, Litvinova E, Chumachenko S, Ahn J, Kim KK. TAB-model for multilevel diagnosis and repair of HDL SoC. In: ISOCC 2014 - International SoC Design Conference [Internet]; 20152015. p. 181-2. Available from: www.scopus.com DOI: 10.1109/ISOCC.2014.7087686		
				108. Hahanov V, Zhalilo A, Gharibi W, Litvinova E. Cloud-driven traffic control: Formal modeling and technical realization. In: Proceedings - 2015 4th Mediterranean Conference on Embedded Computing, MECO 2015 - Including ECyPS 2015, BioEMIS 2015, BioICT 2015, MECO-Student Challenge 2015 [Internet]; 20152015. p. 21-4. Available from: www.scopus.com DOI: 10.1109/MECO.2015.7181896		

			109. Hahanov V, Chumachenko S, Amer TB, Hahanov I. Cloud-driven traffic control: Feasibility and advantages. In: Proceedings - 2015 4th Mediterranean Conference on Embedded Computing, MECO 2015 - Including ECyPS 2015, BioEMIS 2015, BioICT 2015, MECO-Student Challenge 2015 [Internet]; 20152015. p. 17-20.Available from: www.scopus.com DOI: 10.1109/MECO.2015.7181885		
			110. Hahanov V, Gharibi W, Litvinova E, Chumachenko S. Big Data Driven Cyber Analytic System. In: Proceedings - 2015 IEEE International Congress on Big Data, BigData Congress 2015 [Internet]; 20152015. p. 615-22.Available from: www.scopus.com DOI: 10.1109/BigDataCongress.2015.94		
			111. Hahanov V, Miz V. Big data driven healthcare services and wearables. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 310-2.Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230864		
			112. Hahanov V, Chumachenko S, Litvinova E, Adamov A, Sorudeykin K. Structures for information retrieval in big data. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 70-5.Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230799		

			113. Hahanov V, Miz V, Litvinova E, Mishchenko A, Shcherbin D. Big Data driven cyber physical systems. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 76-80. Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230800		
			114. Hahanov V, Yemelyanov I, Obrizan V, Hahanov I. "Quantum" diagnosis and simulation of SoC. In: Perspective Technologies and Methods in MEMS Design, MEMSTECH 2015 - Proceedings of 11th International Conference [Internet]; 20152015. p. 58-60. Available from: www.scopus.com		
			115. Palanichamy M, Mohammad A, Larsen BB, Hahanov V. Selective algorithms for built-in self-test and self-diagnosis in embedded SRAMS. J Low Power Electron [Internet]. 2015;11(4):541-51. Available from: www.scopus.com		
			116. Hahanov V, Litvinova E, Brazhnikova M, Hahanova A. Cyber democracy and digital relationship. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 545-8. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452110		
			117. Hahanov V, Chumachenko S, Mishchenko A, Sergienko V, Hahanova Y. Cloud services of Smart Cyber University. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p.		

				540-4. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452109		
				118. Hahanov V, Shcherbin D, Gharibi W, Iemelianov I. «Quantum» processor for digital systems analysis. In: Proceedings of 2015 IEEE East-West Design and Test Symposium, EWDTs 2015 [Internet]; 2016. Available from: www.scopus.com DOI: 10.1109/EWDTs.2015.7493179		
				119. Gharibi W, Litvinova E, Hahanov V, Hahanov I. «Quantum» structures for digital systems synthesis. In: Proceedings of 2015 IEEE East-West Design and Test Symposium, EWDTs 2015 [Internet]; 2016. Available from: www.scopus.com DOI: 10.1109/EWDTs.2015.7493180		
				120. Gerasimenko K, Hahanov V, Amer TB, Pryimak A. Method for functional testing critical control systems. In: Proceedings of 2015 IEEE East-West Design and Test Symposium, EWDTs 2015 [Internet]; 2016. Available from: www.scopus.com DOI: 10.1109/EWDTs.2015.7493181		
				121. Abdullayev V, Litvinova E, Arefiev A, Hahanov V, Farid D, Hahanova Y. Cloud service - Cyber social democracy and smart university. In: Proceedings of 2015 IEEE East-West Design and Test Symposium, EWDTs 2015 [Internet]; 2016. Available from: www.scopus.com DOI: 10.1109/EWDTs.2015.7493104		
				122. Hahanov V, Chumachenko S, Hahanova A, Mishchenko A, Hussein MAA, Filippenko I. CyUni service - Smart cyber university. In: Proceedings of 2015 IEEE East-West Design and Test Symposium,		

				EWDTs 2015 [Internet]; 20162016Available from: www.scopus.com DOI: 10.1109/EWDTs.2015.7493103		
				123. Hahanov V, Mishchenko O, Litvinova E, Chumachenko S. Big Data Driven Smart Cyber University. In: Proceedings - 2016 IEEE World Congress on Services, SERVICES 2016 [Internet]; 20162016. p. 134-41.Available from: www.scopus.com DOI: 10.1109/SERVICES.2016.33		
				124. Hahanov V, Litvinova E, Chumachenko S. Green cyber-physical computing as sustainable development model; 2017. 65 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-55595-9_4		
				125. Hahanov V, Gharibi W, Litvinova E, Chumachenko S. Cosmological computing and genome-algorithm of the universe. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 20172017Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807668		
				126. Hahanov V, Litvinova E, Chumachenko S, Liubarskyi M. Qubit description of the functions and structures for computing. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 20172017Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807659		
				127. Hahanov V, Hussein MAA, Hahanova A, Man KL. Cyber physical computing. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 20172017Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807670		

			128. Mishchenko O, Hahanov V, Abdullayev V, Litvinova E, Chumachenko S, Hahanova A. Cloud service for university E-government. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 20172017Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807660		
			129. Hahanov V, Gharibi W, Litvinova E, Chumachenko S, Ziarmad A, Englesi I, Gritsuk I, Volkov V, Khakhanova A. Cloud-driven traffic monitoring and control based on smart virtual infrastructure. SAE Techni Paper [Internet]. 2017;2017-March(March) Available from: www.scopus.com		
			130. Hahanov I, Chumachenko S, Iemelianov I, Hahanov V, Larchenko L, Daniyil T. Deductive qubit fault simulation. In: 2017 14th International Conference The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 20172017. p. 256-9.Available from: www.scopus.com DOI: 10.1109/CADSM.2017.7916129		
			131. Hahanov V, Amer TB, Litvinova E, Soklakova T, Liubarskyi M, Shavlak N, Dziuba K. Qubit test synthesis of the functionality. In: 2017 14th International Conference The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 20172017. p. 251-5.Available from: www.scopus.com DOI: 10.1109/CADSM.2017.7916128		
			132. Guo H, Man KL, Ren Q, Huang Q, Hahanov V, Litvinova E, Chumachenko S. FPGA implementation of VLC communication technology. In: Proceedings - 31st IEEE International Conference on Advanced		

				Information Networking and Applications Workshops, WAINA 2017 [Internet]; 20172017. p. 586-90. Available from: www.scopus.com DOI: 10.1109/WAINA.2017.54		
				133. Ziarmand A, Litvinova E, Chumachenko S, Hahanov V. Cloud-driven traffic control: Route service metric. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110153		
				134. Ziarmand A, Chumachenko S, Hahanov V, Litvinova E. Cloud traffic control: Smart traffic-driven streetlight. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110064		
				135. Hahanov V, Gharibi W, Litvinova E, Liubarskyi M, Hahanova A. Quantum memory-driven computing for test synthesis. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110147		
				136. Hahanov V, Iemelianov I, Chumachenko S, Hahanov I, Hahanova I. Quantum sequencer for the minimal test synthesis of black-box functionality. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110148		

				137. Hahanov V. Preface. Cyber Phys Comput for IoT-driven Serv [Internet]. 2018:v-viii. Available from: www.scopus.com		
				138. Hahanov V. Cyber physical computing for IoT-driven services In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 1-279. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8		
				139. Hahanov V. Practical conclusion In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 251-7. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_13		
				140. Hahanov V, Chumachenko S, Litvinova E. Qubit computing for digital system diagnosis In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 163-82. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_8		
				141. Hahanov V, Litvinova E, Chumachenko S. Cosmological computing and the genome of the universe In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 219-32. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_11		
				142. Hahanov V, Litvinova E, Chumachenko S. Computing for diagnosis of HDL code In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 149-62. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_7		
				143. Hahanov V, Ziarmad A, Chumachenko S. Transportation computing: "cloud traffic control" In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 201-17. Available from:		

				www.scopus.com DOI: 10.1007/978-3-319-54825-8_10		
				144. Hahanov V, Mishchenko O, Litvinova E. Cloud service computing: The "Smart Cyber University" In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 183-200. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_9		
				145. Hahanov V, Amer TB, Iemelianov I, Liubarskyi M. Quantum computing for test synthesis In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 95-134. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_5		
				146. Hahanov V, Soklakova T, Hahanova A, Chumachenko S. Cyber social computing In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 233-50. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_12		
				147. Hahanov I, Iemelianov I, Liubarskyi M, Hahanov V. Qubit description of functions and structures for service computing synthesis In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 71-93. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_4		
				148. Hahanov V, Litvinova E, Chumachenko S, Hahanova A. Cyber physical computing In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 1-20. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_1		

			149. Hahanov V, Gharibi W, Litvinova E, Adamov A. Multiprocessor architecture for big data computing In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 21-41. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_2		
			150. Hahanov I, Amer TB, Iemelianov I, Liubarskyi M, Hahanov V. QuaSim cloud service for quantum circuit simulation In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 135-47. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_6		
			151. Hahanov V, Litvinova E, Chumachenko S, Soklakova T, Hahanova I. Big data quantum computing In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 43-69. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_3		
			152. Hahanov V, Gharibi W, Man KL, Iemelianov I, Liubarskyi M, Abdullayev V, Litvinova E, Chumachenko S. Cyber-physical technologies: Hype cycle 2017 In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 259-72. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_14		
			153. Hahanov V, Litvinova E, Chumachenko S, Hahanov I, Hahanova A. Methods for quantum analysis of digital circuits. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018. p. 790-6. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336317		

			154. Hahanov V, Chumachenko S, Litvinova E, Hahanova A. Cyber-physical social monitoring and governance for the state structures. In: Proceedings of 2018 IEEE 9th International Conference on Dependable Systems, Services and Technologies, DESSERT 2018 [Internet]; 20182018. p. 123-9. Available from: www.scopus.com DOI: 10.1109/DESSERT.2018.8409112		
			155. Hahanov V, Chumachenko S, Litvinova E, Khakhanova H. Architectures of Quantum Memory-driven Computing. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTs 2018 [Internet]; 20182018 Available from: www.scopus.com DOI: 10.1109/EWDTs.2018.8524843		
			156. Hahanov V, Hacimahmud AV, Litvinova E, Chumachenko S, Hahanova I. Quantum Deductive Simulation for Logic Functions. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTs 2018 [Internet]; 20182018 Available from: www.scopus.com DOI: 10.1109/EWDTs.2018.8524619		
			157. Hahanov V, Liubarskyi M, Gharibi W, Chumachenko S, Litvinova E, Hahanov I. Test Synthesis for Logical X-functions. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTs 2018 [Internet]; 20182018 Available from: www.scopus.com DOI: 10.1109/EWDTs.2018.8524863		
			158. Hahanov V, Chumachenko S, Litvinova E, Hacimahmud AV, Hahanova A, Soklakova T. Cyber Social Computing. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTs 2018 [Internet]; 20182018 Available from: www.scopus.com DOI: 10.1109/EWDTs.2018.8524663		

				159. Hahanov V, Mishchenko O, Soklakova T, Abdullayev V, Chumachenko S, Litvinova E. Cyber-social computing; 2019. 489 p. Available from: www.scopus.com DOI: 10.1007/978-3-030-00253-4_21		
КН	ШІ	БОДЯНСЬКИЙ ЄВГЕНІЙ ВОЛОДИМИРОВИЧ	116	1. Rudenko OG, Bodyanskii EV, Pliss IP. ADAPTIVE ALGORITHM FOR PREDICTION OF RANDOM SEQUENCES. Sov Autom Control [Internet]. 1979;12(1):46-8. Available from: www.scopus.com	79	Bodyanskiy, Yevgeniy; Popov, Sergiy; Neural network approach to forecasting of quasiperiodic financial time series; EUROPEAN JOURNAL OF OPERATIONAL RESEARCH; 2006 175 10.1016/j.ejor.2005.02.012
				2. Bodyanskij EV, Boryachok MD. Locally optimal pseudodual control of objects with unknown parameters. Avt Telemekh [Internet]. 1992(2):90-7. Available from: www.scopus.com		Bodyanskiy, Y.; Vynokurova, O.; Hybrid adaptive wavelet-neuro-fuzzy system for chaotic time series identification; INFORMATION SCIENCES; 2013 220 10.1016/j.ins.2012.07.044
				3. Bodyanskij EV, Boryachok MD. Synthesis of multidimensional adaptive regulators with active accumulation of information. Avtom [Internet]. 1992(5):37-43. Available from: www.scopus.com		Otto, P; Bodyanskiy, Y; Kolodyazhniy, V; A new learning algorithm for a forecasting neuro-fuzzy network; INTEGRATED COMPUTER-AIDED ENGINEERING; 2003 10
				4. Bodyanskij EV, Kotlyarevskij SV. Adaptive control of dynamic essentially nonstationary plants. Avt Telemekh [Internet]. 1995(6):111-6. Available from: www.scopus.com		Bodyanskiy, Ye.; Tyshchenko, O.; Kopaliani, D.; A hybrid cascade neural network with an optimized pool in each cascade; SOFT COMPUTING; 2015 19 10.1007/s00500-014-1344-3
				5. Bodyanskij EV, Rudneva IA. About one adaptive algorithm of discord detection in stochastic sequences. Avt Telemekh [Internet]. 1995(10):101-6. Available from: www.scopus.com		Bodyanskiy, Yevgeniy V.; Tyshchenko, Oleksii K.; Kopaliani, Daria S.; Adaptive learning of an evolving cascade neo-fuzzy system in data stream mining tasks; EVOLVING SYSTEMS; 2016 7 10.1007/s12530-016-9149-5

			6. Bodyanskiy YV, Boryachok MD, Kotlyarevskiy SV. Adaptive optimization of the parameters of a PID regulator. J Autom Inform Sci [Internet]. 1995;27(3-4):172-7. Available from: www.scopus.com		Bodyanskiy, Yevgeniy; Vynokurova, Olena; Pliss, Iryna; Setlak, Galina; Mulesa, Pavlo; Fast Learning Algorithm for Deep Evolving GMDH-SVM Neural Network in Data Stream Mining Tasks; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
			7. Vorobyev SA, Bodyanskiy EV. On a non-parametric algorithm for smoothing parameter control in adaptive filtering. Eng Simul [Internet]. 1999;16(3):341-50. Available from: www.scopus.com		Bodyanskiy, Ye. V.; Tyshchenko, A. K.; Deineko, A. A.; An Evolving Radial Basis Neural Network with Adaptive Learning of Its Parameters and Architecture; AUTOMATIC CONTROL AND COMPUTER SCIENCES; 2015 49 10.3103/S0146411615050028
			8. Bodyanskij EV, Vorob'ev SA, Shtefan A. Algorithm for adaptive identification of dynamic parametrically nonstationary objects. Izv Akad Nauk Teh Kibern [Internet]. 1999;38(1):19-24. Available from: www.scopus.com		Bodyanskiy, Y; Lamonova, N; Pliss, I; Vynokurova, O; An adaptive learning algorithm for a wavelet neural network; EXPERT SYSTEMS; 2005 22 10.1111/j.1468-0394.2005.00314.x
			9. Bodyanskiy YE, Popov S, Stephan A. Harmonic components detection in stochastic sequences using artificial neural networks. Comput Intell Appl [Internet]. 1999;162-6. Available from: www.scopus.com		Bodyanskiy, Yevgeniy; Popov, Sergiy; Rybalchenko, Taras; Multilayer neuro-fuzzy network for short term electric load forecasting; COMPUTER SCIENCE - THEORY AND APPLICATIONS; 2008 5010
			10. Bodyanskii EV, Vorob'Ev SA, Shtefan A. Algorithm for adaptive identification of dynamical parametrically nonstationary objects. J Comput Syst Sci Int [Internet]. 1999;38(1):14-8. Available from: www.scopus.com		Bodyanskiy, Yevgeniy; Setlak, Galina; Peleshko, Dmytro; Vynokurova, Olena; Hybrid Generalized Additive Neuro-Fuzzy System and its Adaptive Learning Algorithms; 2015 IEEE 8TH INTERNATIONAL CONFERENCE ON INTELLIGENT DATA ACQUISITION AND ADVANCED COMPUTING SYSTEMS: TECHNOLOGY AND APPLICATIONS

					(IDAACS), VOLS 1-2; 2015
				11. Bodyanskiy EV, Kotlyarevskiy SV, Sukharev SA. Adaptive detection of disorders in multidimensional random sequences. J Autom Inform Sci [Internet]. 1999;31(6):76-84. Available from: www.scopus.com	Hu, Zhengbing; Bodyanskiy, Yevgeniy V.; Tyshchenko, Oleksii K.; A Deep Cascade Neuro-Fuzzy System for High-Dimensional Online Fuzzy Clustering; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
				12. Bodyanskiy Y, Kolodyazhniy V, Stephan A. An adaptive learning algorithm for a neuro-fuzzy network; 2001. 68 p. Available from: www.scopus.com	Bodyanskiy, Yevgeniy; Vynokurova, Olena; Pliss, Iryna; Peleshko, Dmytro; Rashkevych, Yuriy; Hybrid Generalized Additive Wavelet-Neuro-Fuzzy-System and Its Adaptive Learning; DEPENDABILITY ENGINEERING AND COMPLEX SYSTEMS; 2016 470 10.1007/978-3-319-39639-2_5
				13. Bodyanskij EV, Zaporozhets OV. Adaptive neurocontroller for a nonlinear dynamic object. Izv Akad Nauk [Internet]. 2002(2):92-6. Available from: www.scopus.com	Bodyanskiy, Ye; Dolotov, A.; Vynokurova, O.; Evolving spiking wavelet-neuro-fuzzy self-learning system; APPLIED SOFT COMPUTING; 2014 14 10.1016/j.asoc.2013.05.020
				14. Bodyanskij EV, Kulishova NE, Rudenko OG. Generalized algorithm of formal neuron learning. Kiber i Sist Anal [Internet]. 2002(5):176-83. Available from: www.scopus.com	Bodyanskiy, Y; Kolodyazhniy, V; Otto, P; Neuro-Fuzzy Kolmogorov's Network for time series prediction and pattern classification; KI2005: ADVANCES IN ARTIFICIAL INTELLIGENCE, PROCEEDINGS; 2005 3698

			15. Bodyanskii EV, Zaporozhets OV. Adaptive neurocontroller for a nonlinear dynamic object. J Comput Syst Sci Int [Internet]. 2002;41(2):252-6. Available from: www.scopus.com	Bodyanskiy, Ye; Vynokurova, O.; Setlak, G.; Peleshko, D.; Mulesa, P.; Adaptive multivariate hybrid neuro-fuzzy system and its on-board fast learning; NEUROCOMPUTING; 2017 230 10.1016/j.neucom.2016.12.042
			16. Otto P, Bodyanskiy Y, Kolodyazhniy V. A new learning algorithm for a forecasting neuro-fuzzy network. Integr Comput Aided Eng [Internet]. 2003;10(4):399-409. Available from: www.scopus.com	Bodyanskiy, Yevgeniy; Vynokurova, Olena; Pliss, Iryna; Peleshko, Dmytro; Hybrid Adaptive Systems of Computational Intelligence and Their On-line Learning for Green IT in Energy Management Tasks; GREEN IT ENGINEERING: CONCEPTS, MODELS, COMPLEX SYSTEMS ARCHITECTURES; 2017 74 10.1007/978-3-319-44162-7_12
			17. Bodyanskiy Y, Gorshkov Y, Kolodyazhniy V, Wernstedt J. Probabilistic neuro-fuzzy network with non-conventional activation functions. In: Lecture Notes in Artificial Intelligence (Subseries of Lecture Notes in Computer Science) [Internet]; 20032003. p. 973-9. Available from: www.scopus.com	Bodyanskiy, Ye. V.; Vynokurova, E. A.; Dolotov, A. I.; Self-Learning Cascade Spiking Neural Network for Fuzzy Clustering Based on Group Method of Data Handling; JOURNAL OF AUTOMATION AND INFORMATION SCIENCES; 2013 45 10.1615/JAutomatInfScien.v45.i3.30
			18. Bodyanskiy Y, Otto P, Pliss I, Popov S. An optimal algorithm for combining multivariate forecasts in hybrid systems. In: Lecture Notes in Artificial Intelligence (Subseries of Lecture Notes in Computer Science) [Internet]; 20032003. p. 967-72. Available from: www.scopus.com	Bodyanskiy, Ye.; Dolotov, A.; Image processing using self-learning fuzzy spiking neural network in the presence of overlapping classes; BEC 2008: 2008 INTERNATIONAL BIENNIAL BALTIC ELECTRONICS CONFERENCE, PROCEEDINGS; 2008 10.1109/BEC.2008.4657517
			19. Kolodyazhniy V, Bodyanskiy Y. Fuzzy kolmogorov's network; 2004. 764 p. Available from: www.scopus.com	Hu, Zhengbing; Bodyanskiy, Yevgeniy V.; Tyshchenko, Oleksii K.; A Cascade Deep Neuro-Fuzzy System for High-Dimensional Online Possibilistic Fuzzy Clustering; 2016

					XITH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT); 2016
				20. Bodyanskiy Y, Popov S. Fuzzy selection mechanism for multimodel prediction; 2004. 772 p. Available from: www.scopus.com	Bodyanskiy, Yevgeniy V.; Tyshchenko, Oleksii K.; Kopaliani, Daria S.; An evolving connectionist system for data stream fuzzy clustering and its online learning; NEUROCOMPUTING; 2017 262 10.1016/j.neucom.2017.03.081
				21. Kolodyazhniy V, Bodyanskiy Y. Fuzzy kolmogorov's network; 2004. 764 p. Available from: www.scopus.com	Hu, Zhengbing; Bodyanskiy, Yevgeniy V.; Tyshchenko, Oleksii K.; A Deep Cascade Neural Network Based on Extended Neo-Fuzzy Neurons and its Adaptive Learning Algorithm; 2017 IEEE FIRST UKRAINE CONFERENCE ON ELECTRICAL AND COMPUTER ENGINEERING (UKRCON); 2017
				22. Bodyanskiy Y, Lamonova N, Pliss I, Vynokurova O. An adaptive learning algorithm for a wavelet neural network. Expert Syst [Internet]. 2005;22(5):235-40. Available from: www.scopus.com	Setlak, Galina; Bodyanskiy, Yevgeniy; Vynokurova, Olena; Pliss, Lryna; Deep Evolving GMDH-SVM-Neural Network and its Learning for Data Mining Tasks; PROCEEDINGS OF THE 2016 FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS (FEDCSIS); 2016 8 10.15439/2016F183
				23. Bodyanskiy Y. Computational intelligence techniques for data analysis. In: Lecture Notes in Informatics (LNI), Proceedings - Series of the Gesellschaft fur Informatik (GI) [Internet]; 20052005. p. 15-36. Available from: www.scopus.com	Bodyanskiy, Yevgeniy V.; Deineko, Anastasiia O.; Kutsenko, Yana V.; Zayika, Oleksandr O.; Data Streams Fast EM-Fuzzy Clustering based on Kohonen's Self-Learning; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING

					(DSMP); 2016
				24. Bodyanskiy Y, Kolodyazhniy V, Otto P. Neuro-fuzzy kolmogorov's network for time series prediction and pattern classification; 2005. 191 p. Available from: www.scopus.com DOI: 10.1007/11551263_16	Bodyanskiy, Ye., V; Tyshchenko, O. K.; Boiko, O. O.; AN EVOLVING CASCADE SYSTEM BASED ON NEURO-FUZZY NODES; RADIO ELECTRONICS COMPUTER SCIENCE CONTROL; 2016 10.15588/1607-3274-2016-2-5
				25. Bodyanskiy Y, Gorshkov Y, Kolodyazhniy V, Pliss I. Rough sets-based recursive learning algorithm for radial basis function networks; 2005. 59 p. Available from: www.scopus.com	RUDENKO, OC; BODJANSKIY, EV; PLISS, IP; ADAPTIVE ALGORITHM OF RANDOM SEQUENCES PREDICTION; AVTOMATIKA; 1979
				26. Bodyanskiy Y, Gorshkov Y, Kolodyazhniy V, Poyedyntseva V. Neuro-fuzzy Kolmogorov's Network; 2005. 1 p. Available from: www.scopus.com	Setlak, Galina; Bodyanskiy, Yevgeniy; Pliss, Iryna; Vynokurova, Olena; Peleshko, Dmytro; Kobylin, Ilyya; Adaptive Fuzzy Clustering of Multivariate Short Time Series with Unevenly Distributed Observations Based on Matrix Neuro-Fuzzy Self-organizing Network; ADVANCES IN FUZZY LOGIC AND TECHNOLOGY 2017, VOL 3; 2018 643 10.1007/978-3-319-66827-7_28
				27. Bodyanskiy YV, Teslenko NA. Adaptive learning of fuzzy BSB and GBSB neural models. Cybern Syst Anal [Internet]. 2006;42(6):786-94. Available from: www.scopus.com	Hu, Zhengbing; Bodyanskiy, Yevgeniy V.; Tyshchenko, Oleksii K.; A Hybrid Growing ENFN-Based Neuro-Fuzzy System and its Rapid Deep Learning; PROCEEDINGS OF THE 2017 12TH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE ON COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT 2017), VOL. 1; 2017

			28. Kolodyazhniy V, Bodyanskiy Y, Poyedyntseva V, Stephan A. Neuro-fuzzy Kolmogorov's network with a modified perceptron learning rule for classification problems In: Computational Intelligence, Theory and Applications: International Conference 9th Fuzzy Days in Dortmund, Germany, Sept. 18-20, 2006 Proceedings. [Internet]. ; 2006 p. 41-9. Available from: www.scopus.com DOI: 10.1007/3-540-34783-6_6	Bodyanskiy, Ye. V.; Deineko, A. O.; Kutsenko, Ya. V.; On-Line Kernel Clustering Based on the General Regression Neural Network and T. Kohonen's Self-Organizing Map; AUTOMATIC CONTROL AND COMPUTER SCIENCES; 2017 51 10.3103/S0146411617010023
			29. Bodyanskiy Y, Kokshenev I, Gorshkov Y, Kolodyazhniy V. Outlier resistant recursive fuzzy clustering algorithms In: Computational Intelligence, Theory and Applications: International Conference 9th Fuzzy Days in Dortmund, Germany, Sept. 18-20, 2006 Proceedings. [Internet]. ; 2006 p. 647-52. Available from: www.scopus.com DOI: 10.1007/3-540-34783-6_62	Bodyanskiy, Yevgeniy; Grimm, Paul; Mashtalir, Sergey; Vinarski, Vladimir; Fast Training of Neural Networks for Image Compression; ADVANCES IN DATA MINING: APPLICATIONS AND THEORETICAL ASPECTS; 2010 6171
			30. Kolodyazhniy V, Bodyanskiy Y, Poyedyntseva V, Stephan A. Neuro-Fuzzy Kolmogorov's Network with a modified perceptron learning rule for classification problems; 2006. 41 p. Available from: www.scopus.com	Bodyanskiy, Yevgeniy; Popov, Sergiy; Titov, Mykola; Robust Learning Algorithm for Networks of Neuro-Fuzzy Units; INNOVATIONS AND ADVANCES IN COMPUTER SCIENCES AND ENGINEERING; 2010 10.1007/978-90-481-3658-2_59
			31. Bodyanskiy Y, Kokshenev I, Gorshkov Y, Kolodyazhniy V. Outlier resistant recursive fuzzy clustering algorithms; 2006. 647 p. Available from: www.scopus.com	Bodyanskiy, Yevgeniy; Kokshenev, Illya; Gorshkov, Yevgen; Kolodyazhniy, Vitaliy; Outlier resistant recursive fuzzy clustering algorithms; COMPUTATIONAL INTELLIGENCE, THEORY AND APPLICATION; 2006 10.1007/3-540-34783-6_62

			32. Gorshkov Y, Kokshenev I, Bodyanskiy Y, Kolodyazhniy V, Shylo O. Robust recursive fuzzy clustering-based segmentation of biological time series. In: Proceedings of the 2006 International Symposium on Evolving Fuzzy Systems, EFS'06 [Internet]; 2006:2006. p. 101-5. Available from: www.scopus.com DOI: 10.1109/ISEFS.2006.251141	Bodyanskiy, Y; Gorshkov, Y; Kolodyazhniy, V; Poyedyntseva, V; Neuro-fuzzy Kolmogorov's network; ARTIFICIAL NEURAL NETWORKS: FORMAL MODELS AND THEIR APPLICATIONS - ICANN 2005, PT 2, PROCEEDINGS; 2005 3697
			33. Bodyanskiy Y, Kolodyazhniy V. Real-Time identification and forecasting of chaotic time series using hybrid systems of computational intelligence; 2006. 439 p. Available from: www.scopus.com DOI: 10.1007/11353379_16	Kolodyazhniy, V; Bodyanskiy, Y; Otto, P; Universal approximator employing neo-fuzzy neurons; Computational Intelligence, Theory and Applications; 2005
			34. Bodyanskiy Y, Popov S. Neural network approach to forecasting of quasiperiodic financial time series. Eur J Oper Res [Internet]. 2006;175(3):1357-66. Available from: www.scopus.com	Bodyanskiy, Yevgeniy; Peleshko, Dmytro; Rashkevych, Yuriy; Vynokurova, Olena; The Autoencoder Based on Generalized Neo-Fuzzy Neuron and its Fast Learning for Deep Neural Networks; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
			35. Kolodyazhniy V, Bodyanskiy Y, Otto P. Universal approximator employing neo-fuzzy neurons; 2006. 631 p. Available from: www.scopus.com DOI: 10.1007/3-540-31182-3_58	Bodyanskiy, Yevgeniy; Vynokurova, Olena; Pliss, Iryna; Peleshko, Dmytro; Rashkevych, Yuriy; Deep Stacking Convex Neuro-Fuzzy System and Its On-line Learning; ADVANCES IN DEPENDABILITY ENGINEERING OF COMPLEX SYSTEMS; 2018 582 10.1007/978-3-319-59415-6_5
			36. Bodyanskiy Y, Gorshkov Y, Kolodyazhniy V, Stephan A. Combined learning algorithm for a self-organizing map with fuzzy inference; 2006. 641 p. Available from: www.scopus.com DOI: 10.1007/3-540-31182-3_59	Bodyanskiy, Yevgeniy; Vynokurova, Olena; Szymanski, Zdzislaw; Kobylin, Ilya; Kobylin, Oleg; Adaptive Robust Models for Identification of Nonstationary Systems in Data Stream Mining Tasks; PROCEEDINGS OF

					THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
				37. Bodyanskiy Y, Popov S, Rybalchenko T. Multilayer neuro-fuzzy network for short term electric load forecasting; 2008. 339 p. Available from: www.scopus.com DOI: 10.1007/978-3-540-79709-8_34	Bodyanskiy, Ye. V.; Boiko, O. O.; Pliss, I. P.; ADAPTIVE METHOD OF HYBRID LEARNING FOR AN EVOLVING NEURO-FUZZY SYSTEM; CYBERNETICS AND SYSTEMS ANALYSIS; 2015 51 10.1007/s10559-015-9741-x
				38. Bodyanskiy YV, Kulishova NY. Memory-based neuro-fuzzy system for interpolation of reflection coefficients of printing inks. Cybern Syst Anal [Internet]. 2008;44(5):625-32. Available from: www.scopus.com	Bodyanskiy, E. V.; Ryabova, N. V.; Zolotukhin, O. V.; MULTILAYER ADAPTIVE FUZZY PROBABILISTIC NEURAL NETWORK IN CLASSIFICATION PROBLEMS OF TEXT DOCUMENTS; RADIO ELECTRONICS COMPUTER SCIENCE CONTROL; 2015 1 10.15588/1607-3274-2015-1-5
				39. Bodyanskiy Y, Popov S, Rybalchenko T. Feedforward neural network with a specialized architecture for estimation of the temperature influence on the electric load. In: 2008 4th International IEEE Conference Intelligent Systems, IS 2008 [Internet]; 20082008. p. 714-8. Available from: www.scopus.com DOI: 10.1109/IS.2008.4670444	Gorshkov, Yevgen; Kokshenev, Illya; Bodyanskiy, Yevgeniy; Kolodyazhniy, Vitaliy; Shylo, Oleksandr; Robust recursive fuzzy clustering-based segmentation of biological time series; 2006 INTERNATIONAL SYMPOSIUM ON EVOLVING FUZZY SYSTEMS, PROCEEDINGS; 2006 10.1109/ISEFS.2006.251141
				40. Bodyanskiy Y, Dolotov A. Image processing using self-learning fuzzy spiking neural network in the presence of overlapping classes. In: BEC 2008 - 2008 International Biennial Baltic Electronics Conference, Proceedings of the 11th Biennial Baltic Electronics Conference [Internet]; 20082008. p. 213-6. Available	Kolodyazhniy, Vitaliy; Bodyanskiy, Yevgeniy; Poyedyntseva, Valeriya; Stephan, Andreas; Neuro-Fuzzy Kolmogorov's Network with a modified perceptron learning rule for classification problems; Computational Intelligence, Theory and Application; 2006

			from: www.scopus.com DOI: 10.1109/BEC.2008.4657517		10.1007/3-540-34783-6_6
			41. Bodyanskiy Y, Popov S, Titov M. Function decomposition network; 2009. 718 p. Available from: www.scopus.com DOI: 10.1007/978-3-642-04274-4_74		Bodyanskiy, Y; Gorshkov, Y; Kolodyazhniy, V; Stephan, A; Combined learning algorithm for a self-organizing map with fuzzy inference; Computational Intelligence, Theory and Applications; 2005
			42. Bodyanskiy Y, Gorshkov Y, Kokshenev I, Kolodyazhniy V. Evolving Fuzzy Classification of Nonstationary Time Series In: Evolving Intelligent Systems: Methodology and Applications. [Internet]. ; 2010 p. 301-12. Available from: www.scopus.com DOI: 10.1002/9780470569962.ch13		Kolodyazhniy, V; Bodyanskiy, Y; Fuzzy Kolmogorov's Network; KNOWLEDGE-BASED INTELLIGENT INFORMATION AND ENGINEERING SYSTEMS, PT 2, PROCEEDINGS; 2004 3214
			43. Bodyanskiy Y, Grimm P, Mashtalir S, Vinarski V. Fast training of neural networks for image compression; 2010. 165 p. Available from: www.scopus.com DOI: 10.1007/978-3-642-14400-4_13		Bodyanskiy, Y; Gorshkov, Y; Kolodyazhniy, V; Wernstedt, J; A learning probabilistic neural network with fuzzy inference; ARTIFICIAL NEURAL NETS AND GENETIC ALGORITHMS, PROCEEDINGS; 2003
			44. Kolodyazhniy V, Bodyanskiy Y. Cascaded multiresolution spline-based fuzzy neural network. In: Proceedings of the International Symposium on Evolving Intelligent Systems - A Symposium at the AISB 2010 Convention [Internet]; 2010. p. 26-9. Available from: www.scopus.com		Bodyanskiy, Y; Gorshkov, Y; Kolodyazhniy, V; Wernstedt, J; Probabilistic neuro-fuzzy network with non-conventional activation functions; KNOWLEDGE-BASED INTELLIGENT INFORMATION AND ENGINEERING SYSTEMS, PT 2, PROCEEDINGS; 2003 2774
			45. Bodyanskiy Y, Popov S, Titov M. Robust learning algorithm for networks of neuro-fuzzy units. In: Innovations and Advances in Computer Sciences and Engineering [Internet]; 2010. p. 343-6. Available		Bodyanskiy, Y; Kolodyazhniy, V; Kulishova, N; Generalized forecasting sigma-pi neural network; INTELLIGENT TECHNOLOGIES - THEORY AND APPLICATIONS: NEW

			from: www.scopus.com DOI: 10.1007/978-90-481-3658-2_59	TRENDS IN INTELLIGENT TECHNOLOGIES; 2002 76
			46. Bodyanskiy Y, Shubkina O. Semantic annotation of text documents using modified probabilistic neural network. In: Proceedings of the 6th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, IDAACS'2011 [Internet]; 20112011. p. 328-31. Available from: www.scopus.com DOI: 10.1109/IDAACS.2011.6072767	BODYANSKY, EV; SOLOVYOVA, TV; SYNTHESIS OF PSEUDODUAL ADAPTIVE REGULATORS; DOPOVIDI AKADEMII NAUK UKRAINSKOI RSR SERIYA A-FIZIKO-MATEMATICHNI TA TECHNICHNI NAUKI; 1987
			47. Bodyanskiy Y, Dolotov A. Digital model of spiking neuron based on the Z-transform. In: Proceedings of the Biennial Baltic Electronics Conference, BEC [Internet]; 20122012. p. 207-10. Available from: www.scopus.com DOI: 10.1109/BEC.2012.6376853	Bodyanskiy, Yevgeniy; Kulishova, Nonna; Chala, Olha; The Extended Multidimensional Neo-Fuzzy System and Its Fast Learning in Pattern Recognition Tasks; DATA; 2018 3 10.3390/data3040063
			48. Chernenko P, Martyniuk O, Popov S, Ye B. Comparative analysis of two approaches to solving the problem of short-term forecasting of the total electrical load of a power system. Tech Electrodyn [Internet]. 2013(3):61-72. Available from: www.scopus.com	Hu, Zhengbing; Bodyanskiy, Yevgeniy V.; Tyshchenko, Oleksii K.; Boiko, Olena O.; A neuro-fuzzy Kohonen network for data stream possibilistic clustering and its online self-learning procedure; APPLIED SOFT COMPUTING; 2018 68 10.1016/j.asoc.2017.09.042
			49. Kwasnicka H, Markowska-Kaczmar U, Krawczyk B, Slezak D, Bartkowiak A, Bazan J, Bodyanskiy Y, Budnik M, Blaszczyński J, Cyganek B, Czarnowski I, Herrera F, Hippe Z, Jaromczyk JW, Korbicz J, Marek V, Mercier-Laurent E, Mirosław L, Myszkowski P, Nguyen HS, Porta M, Ramanna S, Ras Z, Salem A-M, Sas J, Snasel V, Szczech I, Szczuka M, Szpakowicz S, Tadeusiewicz R, Tsay L-, Unold O, Wozniak M,	Bodyanskiy, Ye. V.; Deineko, A. O.; Eze, F. M.; Kernel Fuzzy Kohonen's Clustering Neural Network and It's Recursive Learning; AUTOMATIC CONTROL AND COMPUTER SCIENCES; 2018 52 10.3103/S0146411618030045

			Wysocki M. 8 th international symposium advances in artificial intelligence and applications. Fed Conf Comput Sci Inf Syst , FedCSIS [Internet]. 2013:17. Available from: www.scopus.com	
			50. Bodyanskiy Y, Vynokurova O. Hybrid adaptive wavelet-neuro-fuzzy system for chaotic time series identification. Inf Sci [Internet]. 2013;220:170-9. Available from: www.scopus.com	Bodyanskiy, Yevgeniy; Zaychenko, Yuriy; Boiko, Olena; Hamidov, Galib; Evolving Hybrid GMDH-Neuro-Fuzzy Network and Its Applications; 2018 IEEE FIRST INTERNATIONAL CONFERENCE ON SYSTEM ANALYSIS & INTELLIGENT COMPUTING (SAIC); 2018
			51. Kolchygin BV, Bodyanskiy YV. Adaptive fuzzy clustering with a variable fuzzifier. Cybern Syst Anal [Internet]. 2013;49(3):366-74. Available from: www.scopus.com	Perova, Iryna; Bodyanskiy, Yevgeniy; Mulesa, Pavlo; Brazhnykova, Yelizaveta; Neural Network for Online Principal Component Analysis in Medical Data Mining Tasks; 2018 IEEE FIRST INTERNATIONAL CONFERENCE ON SYSTEM ANALYSIS & INTELLIGENT COMPUTING (SAIC); 2018
			52. Bodyanskiy YV, Vynokurova EA, Dolotov AI. Self-learning cascade spiking neural network for fuzzy clustering based on group method of data handling. J Autom Inform Sci [Internet]. 2013;45(3):23-33. Available from: www.scopus.com	Vlasenko, Alexander; Vynokurova, Olena; Vlasenko, Nataliia; Bodyanskiy, Yevgeniy; An Enhancement of a Learning Procedure in Neuro-Fuzzy Model; 2018 IEEE FIRST INTERNATIONAL CONFERENCE ON SYSTEM ANALYSIS & INTELLIGENT COMPUTING (SAIC); 2018
			53. Bodyanskiy Y, Dolotov A. A spiking neuron model based on the lambert W function. In: IJCCI 2013 - Proceedings of the 5th International Joint Conference on Computational Intelligence [Internet]; 2013:2013. p. 542-6. Available from: www.scopus.com	Setlak, Galina; Bodyanskiy, Yevgeniy; Pliss, Iryna; Boiko, Olena; Vynokurova, Olena; Deep Evolving Stacking Convex Cascade Neo-Fuzzy Network and its Rapid Learning; PROCEEDINGS OF THE 2018 FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS

					(FEDCSIS); 2018 10.15439/2018F200
				54. Kalynychenko O, Chalyi S, Bodyanskiy Y, Golian V, Golian N. Implementation of search mechanism for implicit dependences in process mining. In: Proceedings of the 2013 IEEE 7th International Conference on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS 2013 [Internet]; 2013:2013. p. 138-42. Available from: www.scopus.com DOI: 10.1109/IDAACS.2013.6662657	Bodyanskiy, Ye, V; Kulishova, N. Ye; Tkachenko, V. Ph; FEATURE VECTOR GENERATION FOR THE FACIAL EXPRESSION RECOGNITION USING NEO-FUZZY SYSTEM; RADIO ELECTRONICS COMPUTER SCIENCE CONTROL; 2018 10.15588/1607-3274-2018-3-10
				55. Hauke K, Nycz M, Owoc M, Pondel M, Abramowicz W, Andres F, Bodyanskiy Y, Chmielarz W, Christozov D, Goluchowski J, Helfert M, Korczak J, Mach-Król M, Perechuda K, Vanhoof K, Vanthienen J, Zhelezko B. 19th Conference on knowledge acquisition and management. Fed Conf Comput Sci Inf Syst , FedCSIS [Internet]. 2013:1231. Available from: www.scopus.com	Perova, Iryna; Litovchenko, Olena; Bodyanskiy, Yevgeniy; Brazhnykova, Yelizaveta; Zavgorodnii, Igor; Mulesa, Pavlo; Medical Data-Stream Mining in the Area of Electromagnetic Radiation and Low Temperature Influence on Biological Objects; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
				56. Bodyanskiy Y, Dolotov A, Vynokurova O. Evolving spiking wavelet-neuro-fuzzy self-learning system. Appl Soft Comput J [Internet]. 2014;14(PART B):252-8. Available from: www.scopus.com	Zhernova, Polina Ye; Deineko, Anastasiia O.; Bodyanskiy, Yevgeniy, V; Riepin, Vladyslav O.; Adaptive Kernel Data Streams Clustering Based on Neural Networks Ensembles in Conditions of Uncertainty About Amount and Shapes of Clusters; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018

			57. Bodyanskiy YV, Vorobyov SA, Stephan A. Detection of NARMA-sequence order using recurrent artificial neural networks. In: European Control Conference, ECC 1999 - Conference Proceedings [Internet]; 20152015. p. 71-6. Available from: www.scopus.com	Shafronenko, Alina; Bodyanskiy, Yevgeniy; Dolotov, Artem; Setlak, Galina; Fuzzy Clustering of Distorted Observations Based On Optimal Expansion Using Partial Distances; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
			58. Bodyanskiy YV, Boiko OO, Pliss IP. Adaptive method of hybrid learning for an evolving neuro-fuzzy system. Cybern Syst Anal [Internet]. 2015;51(4):500-5. Available from: www.scopus.com	Bodyanskiy, Yevgeniy; Kulishova, Nonna; Malysheva, Dania; The Multidimensional Extended Neo-Fuzzy System and its Fast Learning for Emotions Online Recognition; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
			59. Yevgeniy B, Dmytro P, Olena V, Yuliia T. Architecture of hybrid generalized additive neuro-fuzzy system in modelling technological process. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 333-5. Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230869	Bodyanskiy, Yevgeniy; Pliss, Iryna; Kopaliani, Daria; Boiko, Olena; Deep 2D-Neural Network and its Fast Learning; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
			60. Bodyanskiy YV, Tyshchenko AK, Deineko AA. An evolving radial basis neural network with adaptive learning of its parameters and architecture. Autom Control Comput Sci [Internet]. 2015;49(5):255-60. Available from: www.scopus.com	Bodyanskiy, Yevgeniy; Boiko, Olena; Zaychenko, Yuriy; Hamidov, Galib; Evolving GMDH-Neuro-Fuzzy System with Small Number of Tuning Parameters; 2017 13TH INTERNATIONAL CONFERENCE ON NATURAL COMPUTATION, FUZZY SYSTEMS AND KNOWLEDGE DISCOVERY (ICNC-FSKD); 2017

			61. Kulishova N, Bodyanskiy Y. Flexible 2D membership functions for images filtering using fuzzy peer group approach. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 20152015. p. 82-4.Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325437	Hu, Zhengbing; Bodyanskiy, Yevgeniy V.; Tyshchenko, Oleksii K.; Samitova, Viktoriia O.; FUZZY DATA CLUSTERING IN THE RANK SCALE BASED ON A DOUBLE NEO-FUZZY NEURON; RADIO ELECTRONICS COMPUTER SCIENCE CONTROL; 2017 10.15588/1607-3274-2017-1-9
			62. Bodyanskiy Y, Tyshchenko O, Kopalani D. An evolving neuro-fuzzy system for online fuzzy clustering. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 20152015. p. 158-61.Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325456	Bodyanskiy, Yevgeniy; Dolotov, Artem; Pliss, Iryna; Malyar, Mykola; A Fast Learning Algorithm of Self-Learning Spiking Neural Network; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
			63. Bodyanskiy Y, Vynokurova O, Setlak G, Pliss I. Hybrid neuro-neo-fuzzy system and its adaptive learning algorithm. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 20152015. p. 111-4.Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325445	Bodyanskiy, Ye, V; Deineko, A. O.; Kutsenko, Ya., V; SEQUENTIAL FUZZY CLUSTERING BASED ON NEURO-FUZZY APPROACH; RADIO ELECTRONICS COMPUTER SCIENCE CONTROL; 2016 10.15588/1607-3274-2016-3-4
			64. Bodyanskiy Y, Setlak G, Peleshko D, Vynokurova O. Hybrid generalized additive neuro-fuzzy system and its adaptive learning algorithms. In: Proceedings of the 2015 IEEE 8th International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, IDAACS 2015 [Internet]; 20152015. p. 328-33.Available from: www.scopus.com DOI: 10.1109/IDAACS.2015.7340753	Bodyanskiy, Yevgeniy; Popov, Sergiy; Titov, Mykola; Function Decomposition Network; ARTIFICIAL NEURAL NETWORKS - ICANN 2009, PT I; 2009 5768

			65. Bodyanskiy Y, Tyshchenko O, Kopaliani D. A hybrid cascade neural network with an optimized pool in each cascade. Soft Comput [Internet]. 2015;19(12):3445-54. Available from: www.scopus.com	Bodyanskiy, Yevgeniy; Popov, Sergiy; Rybalchenko, Taras; Feedforward Neural Network with a Specialized Architecture for Estimation of the Temperature Influence on the Electric Load; 2008 4TH INTERNATIONAL IEEE CONFERENCE INTELLIGENT SYSTEMS, VOLS 1 AND 2; 2008
			66. Bodyanskiy Y, Vynokurova O, Pliss I, Mulesa P. Multilayer wavelet-neuro-fuzzy systems in dynamic data mining tasks In: Soft Computing: Developments, Methods and Applications. [Internet]. ; 2016 p. 69-146. Available from: www.scopus.com	Bodyanskiy, Y; Gorshkov, Y; Kolodyazhniy, V; Pliss, I; Rough sets-based recursive learning algorithm for radial basis function networks; ARTIFICIAL NEURAL NETWORKS: FORMAL MODELS AND THEIR APPLICATIONS - ICANN 2005, PT 2, PROCEEDINGS; 2005 3697
			67. Bodyanskiy Y, Vynokurova O, Savvo V, Tverdokhlib T, Mulesa P. Hybrid clustering-classification neural network in the medical diagnostics of the reactive arthritis. Int J Intell Syst Appl [Internet]. 2016;8(8):1-9. Available from: www.scopus.com	Bodyanskiy, Y; Kokshenev, I; Kolodyazhniy, V; A learning fuzzy nonlinear filter; BEC 2004: Proceeding of the 9th Biennial Baltic Electronics Conference; 2004
			68. Bodyanskiy Y, Vynokurova O, Pliss I, Peleshko D, Rashkevych Y. Hybrid generalized additive wavelet-neuro-fuzzy-system and its adaptive learning; 2016. 51 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-39639-2_5	Bodyanskiy, Y; Popov, S; Fuzzy selection mechanism for multimodel prediction; KNOWLEDGE-BASED INTELLIGENT INFORMATION AND ENGINEERING SYSTEMS, PT 2, PROCEEDINGS; 2004 3214
			69. Bodyanskiy YV, Tyshchenko OK, Kopaliani DS. Adaptive learning of an evolving cascade neo-fuzzy system in data stream mining tasks. Evol Syst [Internet]. 2016;7(2):107-16. Available from: www.scopus.com	Bodyanskiy, Y; Otto, P; Pliss, I; Popov, S; An optimal algorithm for combining multivariate forecasts in hybrid systems; KNOWLEDGE-BASED INTELLIGENT INFORMATION AND ENGINEERING SYSTEMS, PT 2, PROCEEDINGS; 2003 2774

			70. Hu Z, Bodyanskiy YV, Tyshchenko OK, Boiko OO. An evolving cascade system based on a set of neo-fuzzy nodes. Int J Intell Syst Appl [Internet]. 2016;8(9):1-7. Available from: www.scopus.com	Bodyanskiy, Y; Popov, S; Quasiperiodic approach to forecasting of chaotic financial time series; MODELLING AND SIMULATION OF BUSINESS SYSTEMS; 2003
			71. Rashkevych Y, Bodyanskiy Y. Welcome. Proc IEEE Int Conf Data Stream Min Process, DSMP [Internet]. 2016:v. Available from: www.scopus.com	Bodyanskii, EV; Zaporozhets, OV; Adaptive neurocontroller for a nonlinear dynamic object; JOURNAL OF COMPUTER AND SYSTEMS SCIENCES INTERNATIONAL; 2002 41
			72. Hu Z, Bodyanskiy YV, Tyshchenko OK. A deep cascade neuro-fuzzy system for high-dimensional online fuzzy clustering. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 20162016. p. 318-22. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583567	BODYANSKII, EV; KOTLYAREVSKII, SV; ADAPTIVE-CONTROL FOR AN ESSENTIALLY NONSTATIONARY DYNAMIC OBJECT; AUTOMATION AND REMOTE CONTROL; 1995 56
			73. Bodyanskiy Y, Dolotov A, Pliss I, Malyar M. A fast learning algorithm of self-learning spiking neural network. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 20162016. p. 104-7. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583517	BODYANSKY, EV; BORYACHOK, MD; SYNTHESIS OF MULTIDIMENSIONAL ADAPTIVE REGULATORS WITH ACTIVE ACCUMULATION OF INFORMATION; AVTOMATIKA; 1992
			74. Bodyanskiy YV, Deineko AO, Kutsenko YV, Zayika OO. Data streams fast EM-fuzzy clustering based on Kohonen's self-learning. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 20162016. p. 309-13. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583565	BODYANSKII, EV; BORYACHOK, MD; LOCALLY OPTIMAL PSEUDODUAL CONTROL OF SYSTEMS WITH UNKNOWN-PARAMETERS; AUTOMATION AND REMOTE CONTROL; 1992 53

			75. Bodyanskiy Y, Vynokurova O, Pliss I, Setlak G, Mulesa P. Fast learning algorithm for deep evolving GMDH-SVM neural network in data stream mining tasks. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 20162016. p. 257-62. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583555	BODYANSKY, EV; PLISS, IP; SOLOVIEVA, TV; ADAPTIVE GENERALIZED PREDICTION OF MULTIVARIABLE STOCHASTIC SEQUENCES; DOPOVIDI AKADEMII NAUK UKRAINSKOI RSR SERIYA A-FIZIKO-MATEMATICHNI TA TECHNICHNI NAUKI; 1989
			76. Bodyanskiy Y, Vynokurova O, Szymanski Z, Kobylin I, Kobylin O. Adaptive robust models for identification of nonstationary systems in data stream mining tasks. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 20162016. p. 263-8. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583556	BODYANSKY, EV; THE SYNTHESIS OF MULTIVARIABLE PSEUDODUAL ADAPTIVE REGULATORS; DOPOVIDI AKADEMII NAUK UKRAINSKOI RSR SERIYA A-FIZIKO-MATEMATICHNI TA TECHNICHNI NAUKI; 1988
			77. Hu Z, Bodyanskiy YV, Tyshchenko OK. A cascade deep neuro-fuzzy system for high-dimensional online possibilistic fuzzy clustering. In: Computer Sciences and Information Technologies - Proceedings of the 11th International Scientific and Technical Conference, CSIT 2016 [Internet]; 20162016. p. 119-22. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2016.7589884	BODYANSKY, EV; THE SYNTHESIS OF DUAL ADAPTIVE EXTREMAL REGULATOR; DOPOVIDI AKADEMII NAUK UKRAINSKOI RSR SERIYA A-FIZIKO-MATEMATICHNI TA TECHNICHNI NAUKI; 1988
			78. Setlak G, Bodyanskiy Y, Vynokurova O, Pliss I. Deep evolving GMDH-SVM-neural network and its learning for Data Mining tasks. In: Proceedings of the 2016 Federated Conference on Computer Science and Information Systems, FedCSIS 2016 [Internet]; 20162016. p. 141-5. Available from: www.scopus.com DOI: 10.15439/2016F183	BODYANSKY, EV; SYNTHESIS OF THE MULTIVARIABLE ADAPTIVE REGULATORS ON THE BASIS OF THE MULTILEVEL APPROACH; DOPOVIDI AKADEMII NAUK UKRAINSKOI RSR SERIYA A-FIZIKO-MATEMATICHNI TA TECHNICHNI NAUKI; 1987

			79. Perova I, Bodyanskiy Y. Fast medical diagnostics using autoassociative neuro-fuzzy memory. Int J Comput [Internet]. 2017;16(1):34-40. Available from: www.scopus.com		BODYANSKY, EV; PLISS, IP; SOLOVYEVA, TV; MULTISTAGE OPTIMAL PREDICTORS OF MULTIVARIABLE NONSTATIONARY STOCHASTIC CONTROLLED PROCESSES; DOPOVIDI AKADEMII NAUK UKRAINSKOI RSR SERIYA A-FIZIKO-MATEMATICHNI TA TECHNICHNI NAUKI; 1986
			80. Bodyanskiy YV, Deineko AO, Kutsenko YV. On-line kernel clustering based on the general regression neural network and T. Kohonen's self-organizing map. Autom Control Comput Sci [Internet]. 2017;51(1):55-62. Available from: www.scopus.com		
			81. Bodyanskiy Y, Vynokurova O, Pliss I, Peleshko D. Hybrid adaptive systems of computational intelligence and their on-line learning for green it in energy management tasks; 2017. 229 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-44162-7_12		
			82. Hu Z, Bodyanskiy YV, Tyshchenko OK, Samitova VO. Fuzzy clustering data given on the ordinal scale based on membership and likelihood functions sharing. Int J Intell Syst Appl [Internet]. 2017;9(2):1-9. Available from: www.scopus.com		
			83. Hu Z, Bodyanskiy YV, Tyshchenko OK, Samitova VO. Fuzzy clustering data given in the ordinal scale. Int J Intell Syst Appl [Internet]. 2017;9(1):67-74. Available from: www.scopus.com		
			84. Bodyanskiy Y, Vynokurova O, Setlak G, Peleshko D, Mulesa P. Adaptive multivariate hybrid neuro-fuzzy system and its on-board fast learning. Neurocomputing [Internet]. 2017;230:409-16. Available from:		

				www.scopus.com		
				85. Hu Z, Bodyanskiy YV, Tyshchenko OK, Samitova VO. Possibilistic fuzzy clustering for categorical data arrays based on frequency prototypes and dissimilarity measures. Int J Intell Syst Appl [Internet]. 2017;9(5):55-61. Available from: www.scopus.com		
				86. Hu Z, Bodyanskiy YV, Tyshchenko OK, Tkachov VM. Fuzzy clustering data arrays with omitted observations. Int J Intell Syst Appl [Internet]. 2017;9(6):24-32. Available from: www.scopus.com		
				87. Hu Z, Bodyanskiy YV, Kulishova NY, Tyshchenko OK. A multidimensional extended neo-fuzzy neuron for facial expression recognition. Int J Intell Syst Appl [Internet]. 2017;9(9):29-36. Available from: www.scopus.com		
				88. Bodyanskiy YV, Tyshchenko OK, Kopaliani DS. An evolving connectionist system for data stream fuzzy clustering and its online learning. Neurocomputing [Internet]. 2017;262:41-56. Available from: www.scopus.com		
				89. Hu Z, Bodyanskiy YV, Tyshchenko OK. A hybrid growing ENFN-based neuro-fuzzy system and its rapid deep learning. In: Proceedings of the 12th International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2017 [Internet]; 2017:2017. p. 514-9. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2017.8098840		

			90. Hu Z, Bodyanskiy YV, Tyshchenko OK. A deep cascade neural network based on extended neo-fuzzy neurons and its adaptive learning algorithm. In: 2017 IEEE 1st Ukraine Conference on Electrical and Computer Engineering, UKRCON 2017 - Proceedings [Internet]; 2017. p. 801-5. Available from: www.scopus.com DOI: 10.1109/UKRCON.2017.8100357		
			91. Perova I, Bodyanskiy Y. Adaptive human machine interaction approach for feature selection-extraction task in medical data mining. Int J Comput [Internet]. 2018;17(2):113-9. Available from: www.scopus.com		
			92. Bodyanskiy Y, Pliss I, Vynokurova O. The neo-fuzzy autoencoder for adaptive deep neural systems and its learning. In: CEUR Workshop Proceedings [Internet]; 2018. p. 161-4. Available from: www.scopus.com		
			93. Bodyanskiy YV, Deineko AO, Eze FM. Kernel fuzzy Kohonen's clustering neural network and its recursive learning. Autom Control Comput Sci [Internet]. 2018;52(3):166-74. Available from: www.scopus.com		
			94. Hu Z, Bodyanskiy YV, Tyshchenko OK. A multidimensional adaptive growing neuro-fuzzy system and its online learning procedure; 2018. 186 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-70581-1_13		
			95. Pliss I, Boiko O, Volkova V, Bodyanskiy Y. Matrix deep neural network and its rapid learning in data science tasks. In: CEUR Workshop Proceedings [Internet]; 2018. p. 141-4. Available from: www.scopus.com		

			96. Perova I, Bodyanskiy Y, Sa-chenko A, Karpinski M, Rudyk P. Fuzzy clustering of biomedical datasets using BSB-neuro-fuzzy-model. In: CEUR Workshop Proceedings [Internet]; 20182018. p. 21-8. Available from: www.scopus.com		
			97. Bodyanskiy Y, Vynokurova O, Pliss I, Peleshko D, Rashkevych Y. Deep stacking convex neuro-fuzzy system and its on-line learning; 2018. 49 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-59415-6_5		
			98. Setlak G, Bodyanskiy Y, Pliss I, Vynokurova O, Peleshko D, Kobylin I. Adaptive fuzzy clustering of multivariate short time series with unevenly distributed observations based on matrix neuro-fuzzy self-organizing network; 2018. 308 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-66827-7_28		
			99. Bodyanskiy Y, Perova I, Vynokurova O, Izonin I. Adaptive wavelet diagnostic neuro-fuzzy network for biomedical tasks. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 711-5. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336299		
			100. Bodyanskiy Y, Kobylin I, Rashkevych Y, Vynokurova O, Peleshko D. Hybrid fuzzy-clustering algorithm of unevenly and asynchronously spaced time series in computer engineering. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 930-5. Available from: www.scopus.com DOI:		

				10.1109/TCSET.2018.8336346		
				101. Bodyanskiy Y, Boiko O, Zaychenko Y, Hamidov G. Evolving GMDH-neuro-fuzzy system with small number of tuning parameters. In: ICNC-FSKD 2017 - 13th International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery [Internet]; 20182018. p. 1321-6. Available from: www.scopus.com DOI: 10.1109/FSKD.2017.8392957		
				102. Hu Z, Bodyanskiy YV, Tyshchenko OK, Boiko OO. A neuro-fuzzy kohonen network for data stream possibilistic clustering and its online self-learning procedure. Appl Soft Comput J [Internet]. 2018;68:710-8. Available from: www.scopus.com		
				103. Rashkevych Y, Bodyanskiy Y. Welcome letter. Proc IEEE Int Conf Data Stream Min Process , DSMP [Internet]. 2018:vii. Available from: www.scopus.com		
				104. Bodyanskiy Y, Kulishova N, Malysheva D. The Multidimensional Extended Neo-Fuzzy System and its Fast Learning for Emotions Online Recognition. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 473-7. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478564		
				105. Bodyanskiy Y, Pliss I, Kopaliani D, Boiko O. Deep 2D-Neural Network and its Fast Learning. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing,		

				DSMP 2018 [Internet]; 20182018. p. 519-23. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478578		
				106. Shafronenko A, Dolotov A, Bodyanskiy Y, Setlak G. Fuzzy Clustering of Distorted Observations Based on Optimal Expansion Using Partial Distances. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 327-30. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478489		
				107. Bodyanskiy Y, Peleshko D, Rashkevych Y, Vynokurova O. The Autoencoder Based on Generalized Neo-Fuzzy Neuron and its Fast Learning for Deep Neural Networks. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 113-8. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478624		
				108. Zhernova PY, Deineko AO, Bodyanskiy YV, Riepin VO. Adaptive Kernel Data Streams Clustering Based on Neural Networks Ensembles in Conditions of Uncertainty about Amount and Shapes of Clusters. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 7-12. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478616		

			109. Perova I, Litovchenko O, Bodvanskiy Y, Brazhnykova Y, Zavgorodnii I, Mulesa P. Medical Data-Stream Mining in the Area of Electromagnetic Radiation and Low Temperature Influence on Biological Objects. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 3-6. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478577		
			110. Setlak G, Bodvanskiy Y, Pliss I, Boiko O, Vynokurova O. Deep evolving stacking convex cascade neo-fuzzy network and its rapid learning. In: Proceedings of the 2018 Federated Conference on Computer Science and Information Systems, FedCSIS 2018 [Internet]; 20182018. p. 29-33. Available from: www.scopus.com DOI: 10.15439/2018F200		
			111. Bodyanskiy Y, Boiko O, Zaychenko Y, Hamidov G. Evolving hybrid GMDH-Neuro-fuzzy network and its applications. In: 2018 IEEE 1st International Conference on System Analysis and Intelligent Computing, SAIC 2018 - Proceedings [Internet]; 20182018 Available from: www.scopus.com DOI: 10.1109/SAIC.2018.8516755		
			112. Vlasenko A, Vlasenko N, Vynokurova O, Bodyanskiy Y. An enhancement of a learning procedure in neuro-fuzzy model. In: 2018 IEEE 1st International Conference on System Analysis and Intelligent Computing, SAIC 2018 - Proceedings [Internet]; 20182018 Available from: www.scopus.com DOI: 10.1109/SAIC.2018.8516745		

				113. Perova I, Brazhnykova Y, Bodyanskiy Y, Mulesa P. Neural network for online principal component analysis in medical data mining tasks. In: 2018 IEEE 1st International Conference on System Analysis and Intelligent Computing, SAIC 2018 - Proceedings [Internet]; 2018. Available from: www.scopus.com DOI: 10.1109/SAIC.2018.8516775		
				114. Bodyanskiy Y, Didyk O. On-line robust fuzzy clustering for anomalies detection; 2019. 402 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-91008-6_40		
				115. Hu Z, Bodyanskiy Y, Tyshchenko OK. Self-learning procedures for a kernel fuzzy clustering system; 2019. 487 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-91008-6_49		
				116. Bodyanskiy Y, Dolotov A, Peleshko D, Rashkevych Y, Vynokurova O. Associative probabilistic Neuro-Fuzzy system for data classification under short training set conditions; 2019. 56 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-91446-6_6		
KIY	АПІОТ	ЧУМАЧЕНКО СВІТЛАНА БІКТОРІВНА	75	1. Chumachenko SV. Analysis of a resonant cavity with a "thick" iris in the model basis technique. Telecommun Radio Eng [Internet]. 1997;51(11-12):119-24. Available from: www.scopus.com	35	Hahanov, Vladimir; Gharibi, Wajeb; Litvinova, Eugenia; Chumachenko, Svetlana; Information Analysis Infrastructure for Diagnosis; INFORMATION-AN INTERNATIONAL INTERDISCIPLINARY JOURNAL; 2011 14
				2. Chumachenko SV. Eigenfrequency equation and field components for a cavity with two tuning plungers. Telecommun Radio Eng [Internet]. 1997;51(9):88-93. Available from: www.scopus.com		Hahanov, Vladimir; Gharibi, Wajeb; Litvinova, Eugenia; Chumachenko, Svetlana; Big Data Driven Cyber Analytic System; 2015 IEEE INTERNATIONAL CONGRESS ON BIG DATA - BIGDATA CONGRESS 2015; 2015 10.1109/BigDataCongress.2015.94

			3. Chumachenko SV. Vortex oscillations in a resonator in media with nonlinear dissipation. Telecommun Radio Eng [Internet]. 1998;52(9):10-2. Available from: www.scopus.com		Hahanov, Ivan; Chumachenko, Svetlana; Iemelianov, Igor; Hahanov, Vladimir; Deductive Qubit Fault Simulation; 2017 14TH INTERNATIONAL CONFERENCE: THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM); 2017
			4. Tretyakov OA, Chumachenko SV. Oscillations in a resonator filled with a time-varying dielectric medium. Telecommun Radio Eng [Internet]. 1998;52(6):36-45. Available from: www.scopus.com		Guo, Haochang; Man, Ka Lok; Ren, Qilei; Huang, Qian; Hahanov, Vladimir; Litvinova, Eugenia; Chumachenko, Svetlana; FPGA Implementation of VLC Communication Technology; 2017 31ST IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION NETWORKING AND APPLICATIONS WORKSHOPS (IEEE WAINA 2017); 2017 10.1109/WAINA.2017.54
			5. Chumachenko SV, Tretyakov OA. Rotational mode oscillations in a cavity with a time-varying medium. Math Methods Electromag Theory MMET Conf Proc [Internet]. 1998;1:355-7. Available from: www.scopus.com		Hahanov, Vladimir; Litvinova, Eugenia I.; Gharibi, Wajeb; Chumachenko, Svetlana V.; Cyber Physical System - iCloud Traffic Control; 2014 11TH INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY: NEW GENERATIONS (ITNG); 2014 10.1109/ITNG.2014.105
			6. Chumachenko SV. EM modes in a coaxial cavity filled with a non-linear dielectric. Telecommun Radio Eng [Internet]. 1999;53(2):82-7. Available from: www.scopus.com		Hahanov, Vladimir; Iemelianov, Igor; Chumachenko, Svetlana; Hahanov, Ivan; Hahanova, Irina; Quantum Sequencer for the Minimal Test Synthesis of Black-box Functionality; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2017

			7. Chumachenko SV. Rotational mode oscillations in a cavity with a time-varying dielectric. Telecommun Radio Eng [Internet]. 1999;53(1):96-9. Available from: www.scopus.com	Ziarmand, Artur; Chumachenko, Svetlana; Hahanov, Vladimir; Litvinova, Eugenia; Cloud Traffic Control: Smart Traffic-Driven Streetlight; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2017
			8. Tretyakov OA, Chumachenko SV. Electromagnetic oscillations in a cavity with a nonlinear dielectric. In: 4th International Kharkov Symposium "Physics and Engineering of Millimeter and Sub-Millimeter Waves", MSMW 2001 - Symposium Proceedings [Internet]; 20012001. p. 184-6. Available from: www.scopus.com DOI: 10.1109/MSMW.2001.946776	Ziarmand, Artur; Litvinova, Eugenia; Chumachenko, Svetlana; Hahanov, Vladimir; Cloud-Driven Traffic Control: Route Service Metric; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2017
			9. Chumachenko SV. In-phase excitation of infinite phased antenna array. In: 4th International Conference on Antenna Theory and Techniques, ICATT 2003 [Internet]; 20032003. p. 304-6. Available from: www.scopus.com DOI: 10.1109/ICATT.2003.1239213	Hahanov, Vladimir; Litvinova, Eugenia; Chumachenko, Svetlana; Green Cyber-Physical Computing as Sustainable Development Model; GREEN IT ENGINEERING: COMPONENTS, NETWORKS AND SYSTEMS IMPLEMENTATION; 2017 105 10.1007/978-3-319-55595-9 4
			10. Chumachenko SV. Calculation of a cavity of a laser beam modulator by the functional expansion method of elective values. In: Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL [Internet]; 20032003. p. 211-3. Available from: www.scopus.com DOI: 10.1109/CAOL.2003.1250559	Hahanov, Vladimir; Gharibi, Wajeb; Litvinova, Eugenia; Chumachenko, Svetlana; Cosmological Computing and Genome-Algorithm of the Universe; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2016
			11. Chumachenko S, Malik G, Chattha IS. Series summation method in HSRK. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 248-50. Available from: www.scopus.com	Hahanov, Vladimir; Litvinova, Eugenia; Chumachenko, Svetlana; Liubarskyi, Mykhailo; Qubit Description of the Functions and Structures for Computing; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2016

			12. Pyatak NI, Klochko TV, Chumachenko SV. The calculation of the matrix of a scattering wave-guide dielectric resonator of a complex structure. In: Fifth International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter, and Submillimeter Waves - Symposium Proceedings, MSMW'04 [Internet]; 20042004. p. 722-4. Available from: www.scopus.com	Mishchenko, Oleksandr; Hahanov, Vladimir; Abdullayev, Vugar; Litvinova, Eugenia; Chumachenko, Svetlana; Hahanova, Anastasya; Cloud Service for University E-government; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2016
			13. Hahanov V, Chumachenko S, Melnik D, Taran A. SUM IP core generator for solving task for RKHS series summation. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 258-9. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297539	Hahanov, Vladimir; Mishchenko, Oleksandr; Litvinova, Eugenia; Chumachenko, Svetlana; Big Data Driven Smart Cyber University; PROCEEDINGS 2016 IEEE WORLD CONGRESS ON SERVICES - SERVICES 2016; 2016 10.1109/SERVICES.2016.33
			14. Hahanov VI, Chumachenko SV, Gharibi W, Litvinova E. Algebra-logical method for SoC embedded memory repair. In: Proceedings of The 15th International Conference Mixed Design of Integrated Circuits and Systems, MIXDES 2008 [Internet]; 20082008. p. 481-6. Available from: www.scopus.com	Hahanov, Vladimir; Chumachenko, Svetlana; Mishchenko, Alexander; Sergienko, Vladislav; Hahanova, Yulia; Cloud Services of Smart Cyber University; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
			15. Chumachenko SV, Melnikova O. System of synthesis and verification of hardware models-formulas for series summation in RKHS. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 618-20. Available from: www.scopus.com	Hahanov, Vladimir; Chumachenko, Svetlana; Litvinova, Eugenia; Adamov, Alexander; Sorudeykin, Kirill; Structures for Information Retrieval in Big Data; PROCEEDINGS OF XIIIITH INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015

			16. Chumachenko S, Gharibi W, Hahanova A, Sushanov A. SoC software components diagnosis technology. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'08 [Internet]; 20082008. p. 155-8. Available from: www.scopus.com DOI: 10.1109/EWDTs.2008.5580135	Chumachenko, Svetlana; Shkil, Alexander; Hahanova, Anastasiya; Ziarmand, Artur; Pryimak, Aleksey; Quantum Data Structures for SoC Design; PROCEEDINGS OF XIII TH INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015
			17. Hahanov V, Hahanova A, Chumachenko S, Galagan S. Diagnosis and repair method of SoC memory. WSEAS Trans Circuits Syst [Internet]. 2008;7(7):698-707. Available from: www.scopus.com	Hahanov, Vladimir; Mishchenko, Alexander; Chumachenko, Svetlana; Hussein, Mazen Abdelrahman Abdelaziz; Hahanova, Anastasiya; Filippenko, Inna; CyUni Service - Smart Cyber University; PROCEEDINGS OF 2015 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2015
			18. Sushanov A, Chumachenko S, Galagan S, Krasnoy aruzhskaya K. Graph-based method for software components testing. In: Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 10th International Conference, CADSM 2009 [Internet]; 20092009. p. 361-3. Available from: www.scopus.com	Hahanov, Vladimir; Amer, Tamer Bani; Chumachenko, Svetlana; Hahanov, Ivan; Cloud-Driven Traffic Control: Feasibility and Advantages; 2015 4TH MEDITERRANEAN CONFERENCE ON EMBEDDED COMPUTING (MECO); 2015
			19. Hahanov V, Chumachenko S, Gharibi W, Umerah NC. Algebra-logical fault diagnosis method for SoC functional blocks. In: IFAC Proceedings Volumes (IFAC-PapersOnline) [Internet]; 20092009. p. 42-8. Available from: www.scopus.com	Hahanov, V., I; Hyduke, Stanley M.; Gharibi, Wajeb; Litvinova, E., I; Chumachenko, S., V; Hahanova, I., V; Quantum Models and Method for Analysis and Testing Computing Systems; 2014 11TH INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY: NEW GENERATIONS (ITNG); 2014 10.1109/ITNG.2014.125

			20. Vladimir H, Svetlana C, Eugenia L. Logical analysis of information in tabular form. In: Proceedings - 2010 IEEE Region 8 International Conference on Computational Technologies in Electrical and Electronics Engineering, SIBIRCON-2010 [Internet]; 20102010. p. 72-9. Available from: www.scopus.com DOI: 10.1109/SIBIRCON.2010.5555313	Hahanov, Vladimir; Gharibi, Wajeb; Abramova, L. S.; Chumachenko, Svetlana; Litvinova, Eugenia; Hahanova, Anna; Rustinov, Vladimir; Miz, Vladimir; Zhalilo, Aleksey; Ziarmand, Artur; Cyber Physical System - Smart Cloud Traffic Control; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2014
			21. Vladimir H, Svetlana C, Eugenia L. Logic vector analysis of associative tables. In: 2010 11th International Workshop on Symbolic and Numerical Methods, Modeling and Applications to Circuit Design, SM2ACD 2010 [Internet]; 20102010 Available from: www.scopus.com DOI: 10.1109/SM2ACD.2010.5672300	Hahanov, Vladimir; Man, Ka Lok; Abbas, Baghdadi Ammar Awni; Litvinova, Eugenia; Chumachenko, Svetlana; Ahn, Jihyeok; Kim, Kyung Ki; TAB-model for Multilevel Diagnosis and Repair of HDL SoC; 2014 INTERNATIONAL SOC DESIGN CONFERENCE (ISOCC); 2014
			22. Hahanov V, Gharibi W, Chumachenko S, Litvinova E. Vector logic analysis of associative matrices. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS'10 [Internet]; 20102010. p. 110-7. Available from: www.scopus.com DOI: 10.1109/EWDTS.2010.5742126	Hahanov, Vladimir; Litvinova, Eugenia; Gharibi, Wajeb; Chumachenko, Svetlana; iCloud Traffic Control and Monitoring; 2014 UKSIM-AMSS 16TH INTERNATIONAL CONFERENCE ON COMPUTER MODELLING AND SIMULATION (UKSIM); 2014 10.1109/UKSim.2014.33
			23. Hahanov V, Gharibi W, Litvinova E, Chumachenko S. Cyber space and brain-like computing. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS'10 [Internet]; 20102010. p. 98-109. Available from: www.scopus.com DOI: 10.1109/EWDTS.2010.5742125	Abbas, Murad Ali; Chumachenko, S. V.; Hahanova, A. V.; Gorobets, A. A.; Priymak, A.; Models for Quality Analysis of Computer Structures; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013
			24. Vladimir H, Svetlana C, Eugenia L, Oleg Z, Natalka K. Technology for faulty blocks coverage by spares. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS'10 [Internet]; 20102010. p. 473-	Hahanov, V. I.; Litvinova, E. I.; Chumachenko, S. V.; Abbas, Baghdadi Ammar Awni; Mandefro, Eshetie Abebech; Qubit Model for Solving the Coverage Problem;

			8. Available from: www.scopus.com DOI: 10.1109/EWDTS.2010.5742109	PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013
			25. Hahanov V, Chumachenko S, Mostovaya K. Metrics of vector logic algebra for cyber space. In: 2011 11th International Conference - The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2011 [Internet]; 2011:2011. p. 183-5. Available from: www.scopus.com	Hahanov, V., I; Hahanova, I., V; Litvinova, E., I; Chumachenko, S., V; Priymak, A.; Maksimov, M.; Yves, Tiecoura; Jararweh (Jordan), Malek Jehad Mohammad; Quantum models for description of digital systems; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013
			26. Hahanov V, Gharibi W, Litvinova E, Chumachenko S. Information analysis infrastructure for diagnosis. Information [Internet]. 2011;14(7):2419-33. Available from: www.scopus.com	Lim, Eng Gee; Wang, Zhao; Juans, Gerry; Man, Ka Lok; Zhang, Nan; Hahanov, Vladimir; Litvinova, Eugenia; Chumachenko, Svetlana; Alexander, Mishchenko; Sergey, Dementiev; Design and Optimization of a Planar UWB Antenna; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013
			27. Hahanov V, Mischenko A, Chumachenko S, Hahanova A, Priymak A. Spam diagnosis infrastructure for individual cyberspace. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS'2011 [Internet]; 2011:2011. p. 161-8. Available from: www.scopus.com DOI: 10.1109/EWDTS.2011.6116408	Hahanov, Vladimir; Chumachenko, Svetlana; Hahanova, Anna; Dementiev, Sergey; Qubit Models for Logic Circuits; 2013 12TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013); 2013
			28. Hahanov V, Chumachenko S, Abbas BAA, Maksimov M. Multimatrix processor for cyberspace analysis. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science -	Sushanov, Aleksey; Chumachenko, Svetlana; Galagan, Sergey; Krasnoyaruhskaaya, Karina; Graph-Based Method for Software Components Testing; EXPERIENCE OF

			Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 243. Available from: www.scopus.com	DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS: PROCEEDINGS OF THE XTH INTERNATIONAL CONFERENCE CADSM 2009; 2009
			29. Afolabi D, Shen Z, Krilavičius T, Hahanov V, Litvinova E, Chumachenko S, Man KL, Liang H-, Zhang N, Žalandauskas T. Real-time vibration reduction in UAV'S image sensors using efficient Hough transform. In: 8th International Conference on Electrical and Control Technologies, ECT 2013 [Internet]; 20132013. p. 50-2. Available from: www.scopus.com	Hahanov, V. I.; Chumachenko, S. V.; Gharibi, W.; Litvinova, E.; Algebra-logical method for SOC embedded memory repair; MIXDES 2008: PROCEEDINGS OF THE 15TH INTERNATIONAL CONFERENCE ON MIXED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS; 2008
			30. Hahanov V, Gharibi W, Man KL, Litvinova E, Chumachenko S, Guz O. Intelligent road control and monitoring; 2013. 327 p. Available from: www.scopus.com DOI: 10.1007/978-94-007-6516-0_36	Hahanov, V. I.; Hahanova, A. V.; Chumachenko, S. V.; Galagan, S. S.; OPTIMAL EMBEDDED REPAIRING OF SOC MEMOR; PROCEEDINGS OF THE 12TH WSEAS INTERNATIONAL CONFERENCE ON CIRCUITS: NEW ASPECTS OF CIRCUITS; 2008
			31. Svetlana C, Alexander G, Ihor C, Dmytriy S. Dijkstra's algorithm for cyber structures analysis. In: 2013 12th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2013 [Internet]; 20132013. p. 61-5. Available from: www.scopus.com	Chumachenko, SV; Solving electrodynamic problems by reproducing transformations method; BEC 2004: Proceeding of the 9th Biennial Baltic Electronics Conference; 2004
			32. Hahanov V, Chumachenko S, Hahanova A, Dementiev S. Qubit models for logic circuits. In: 2013 12th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2013 [Internet]; 20132013. p. 115-9. Available from: www.scopus.com	Chumachenko, S; Malik, G; Chattha, IS; Series summation method in HSRK; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2004

			33. Hahanov VI, Litvinova EI, Chumachenko SV, Abbas BAA, Mandefro EA. Qubit model for solving the coverage problem. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013. Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673167	Chumachenko, SV; Calculation of a cavity of a laser beam modulator by the functional expansion method on elective values; CAOL '2003: PROCEEDINGS OF THE 1ST INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS, VOL 1; 2003
			34. Abbas MA, Chumachenko SV, Hahanova AV, Gorobets AA, Priymak A. Models for quality analysis of computer structures. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013. Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673170	Chumachenko, SV; In-phase excitation of infinite phased antenna array; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003
			35. Hahanov V, Gharibi W, Abbas BAA, Chumachenko S, Guz O, Litvinova E. Cloud traffic monitoring and control. In: Proceedings of the 2013 IEEE 7th International Conference on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS 2013 [Internet]; 2013. p. 244-8. Available from: www.scopus.com DOI: 10.1109/IDAACS.2013.6662681	Chumachenko, SS; Tarasov, YA; Nadolnik, LI; Buko, VU; Glucocorticoid function of adrenals and binding capacity of transcortin in rats with different duration of ethanol-induced sleep; DOKLADY AKADEMII NAUK BELARUSI; 1998 42
			36. Hahanov VI, Hahanova IV, Litvinova EI, Chumachenko SV, Priymak A, Maksimov M, Yves T, Jararweh MJM. Quantum models for description of digital systems. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013. Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673086	
			37. Lim EG, Wang Z, Juans G, Man KL, Zhang N, Hananov V, Litvinova E, Chumachenko S, Alexander M, Sergey D. Design and optimization of a planar UWB antenna. In: Proceedings of IEEE East-West Design and	

				Test Symposium, EWDTs 2013 [Internet]; 20132013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673091		
				38. Hahanov V, Gharibi W, Litvinova E, Chumachenko S. iCloud traffic control and monitoring. In: Proceedings - UKSim-AMSS 16th International Conference on Computer Modelling and Simulation, UKSim 2014 [Internet]; 20142014. p. 159-62. Available from: www.scopus.com DOI: 10.1109/UKSim.2014.33		
				39. Hahanov V, Litvinova E, Gharibi W, Chumachenko S. Cyber physical system - iCloud traffic control. In: ITNG 2014 - Proceedings of the 11th International Conference on Information Technology: New Generations [Internet]; 20142014. p. 426-9. Available from: www.scopus.com DOI: 10.1109/ITNG.2014.105		
				40. Hahanov VI, Hyduke SM, Gharibi W, Litvinova EI, Chumachenko SV, Hahanova IV. Quantum models and method for analysis and testing computing systems. In: ITNG 2014 - Proceedings of the 11th International Conference on Information Technology: New Generations [Internet]; 20142014. p. 430-4. Available from: www.scopus.com DOI: 10.1109/ITNG.2014.125		
				41. Hahanov V, Gharibi W, Abramova LS, Chumachenko S, Litvinova E, Hahanova A, Rustinov V, Miz V, Zhalilo A, Ziarmand A. Cyber physical system - smart cloud traffic control. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2014 [Internet]; 20142014 Available from: www.scopus.com DOI: 10.1109/EWDTs.2014.7027107		

			42. Hahanov V, Man KL, Awni Abbas BA, Litvinova E, Chumachenko S, Lim EG, Leach M. An extended HDL SoC TAB-model for diagnosability and repair. In: Lecture Notes in Engineering and Computer Science [Internet]; 20152015. p. 729-32. Available from: www.scopus.com		
			43. Hahanov V, Man KL, Abbas BAA, Litvinova E, Chumachenko S, Ahn J, Kim KK. TAB-model for multilevel diagnosis and repair of HDL SoC. In: ISOCC 2014 - International SoC Design Conference [Internet]; 20152015. p. 181-2. Available from: www.scopus.com DOI: 10.1109/ISOCC.2014.7087686		
			44. Hahanov V, Chumachenko S, Amer TB, Hahanov I. Cloud-driven traffic control: Feasibility and advantages. In: Proceedings - 2015 4th Mediterranean Conference on Embedded Computing, MECO 2015 - Including ECyPS 2015, BioEMIS 2015, BioICT 2015, MECO-Student Challenge 2015 [Internet]; 20152015. p. 17-20. Available from: www.scopus.com DOI: 10.1109/MECO.2015.7181885		
			45. Hahanov V, Gharibi W, Litvinova E, Chumachenko S. Big Data Driven Cyber Analytic System. In: Proceedings - 2015 IEEE International Congress on Big Data, BigData Congress 2015 [Internet]; 20152015. p. 615-22. Available from: www.scopus.com DOI: 10.1109/BigDataCongress.2015.94		
			46. Hahanov V, Chumachenko S, Litvinova E, Adamov A, Sorudeykin K. Structures for information retrieval in big data. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 70-5. Available		

				from: www.scopus.com DOI: 10.1109/CADSM.2015.7230799		
				47. Chumachenko S, Shkil A, Hahanova A, Ziarmand A, Pryimak A. Quantum data structures for SoC design. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 355-7. Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230875		
				48. Hahanov V, Chumachenko S, Mishchenko A, Sergienko V, Hahanova Y. Cloud services of Smart Cyber University. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 540-4. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452109		
				49. Hahanov V, Chumachenko S, Hahanova A, Mishchenko A, Hussein MAA, Filippenko I. CyUni service - Smart cyber university. In: Proceedings of 2015 IEEE East-West Design and Test Symposium, EWDTS 2015 [Internet]; 20162016 Available from: www.scopus.com DOI: 10.1109/EWDTS.2015.7493103		
				50. Hahanov V, Mishchenko O, Litvinova E, Chumachenko S. Big Data Driven Smart Cyber University. In: Proceedings - 2016 IEEE World Congress on Services, SERVICES 2016 [Internet]; 20162016. p. 134-41. Available from: www.scopus.com DOI: 10.1109/SERVICES.2016.33		

				51. Hahanov V, Litvinova E, Chumachenko S. Green cyber-physical computing as sustainable development model; 2017. 65 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-55595-9_4		
				52. Hahanov V, Gharibi W, Litvinova E, Chumachenko S. Cosmological computing and genome-algorithm of the universe. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 2017. Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807668		
				53. Hahanov V, Litvinova E, Chumachenko S, Liubarskyi M. Qubit description of the functions and structures for computing. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 2017. Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807659		
				54. Mishchenko O, Hahanov V, Abdullayev V, Litvinova E, Chumachenko S, Hahanova A. Cloud service for university E-government. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 2017. Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807660		
				55. Hahanov V, Gharibi W, Litvinova E, Chumachenko S, Ziarmand A, Englesi I, Gritsuk I, Volkov V, Khakhanova A. Cloud-driven traffic monitoring and control based on smart virtual infrastructure. SAE Techni Paper [Internet]. 2017;2017-March(March) Available from: www.scopus.com		
				56. Hahanov I, Chumachenko S, Iemelianov I, Hahanov V, Larchenko L, Daniyil T. Deductive qubit fault simulation. In: 2017 14th International Conference The Experience of Designing and Application of CAD		

				Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 20172017. p. 256-9. Available from: www.scopus.com DOI: 10.1109/CADSM.2017.7916129		
				57. Guo H, Man KL, Ren Q, Huang Q, Hahanov V, Litvinova E, Chumachenko S. FPGA implementation of VLC communication technology. In: Proceedings - 31st IEEE International Conference on Advanced Information Networking and Applications Workshops, WAINA 2017 [Internet]; 20172017. p. 586-90. Available from: www.scopus.com DOI: 10.1109/WAINA.2017.54		
				58. Ziarmand A, Litvinova E, Chumachenko S, Hahanov V. Cloud-driven traffic control: Route service metric. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110153		
				59. Ziarmand A, Chumachenko S, Hahanov V, Litvinova E. Cloud traffic control: Smart traffic-driven streetlight. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110064		
				60. Hahanov V, Iemelianov I, Chumachenko S, Hahanov I, Hahanova I. Quantum sequencer for the minimal test synthesis of black-box functionality. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110148		

			61. Hahanov V, Chumachenko S, Litvinova E. Qubit computing for digital system diagnosis In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 163-82. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_8		
			62. Hahanov V, Litvinova E, Chumachenko S. Cosmological computing and the genome of the universe In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 219-32. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_11		
			63. Hahanov V, Litvinova E, Chumachenko S. Computing for diagnosis of HDL code In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 149-62. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_7		
			64. Hahanov V, Ziarmant A, Chumachenko S. Transportation computing: "cloud traffic control" In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 201-17. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_10		
			65. Hahanov V, Soklakova T, Hahanova A, Chumachenko S. Cyber social computing In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 233-50. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_12		
			66. Hahanov V, Litvinova E, Chumachenko S, Hahanova A. Cyber physical computing In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 1-20. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_1		

			67. Hahanov V, Litvinova E, Chumachenko S, Soklakova T, Hahanova I. Big data quantum computing In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 43-69. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_3		
			68. Hahanov V, Gharibi W, Man KL, Iemelianov I, Liubarskyi M, Abdullayev V, Litvinova E, Chumachenko S. Cyber-physical technologies: Hype cycle 2017 In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 259-72. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_14		
			69. Hahanov V, Litvinova E, Chumachenko S, Hahanov I, Hahanova A. Methods for quantum analysis of digital circuits. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018. p. 790-6. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336317		
			70. Hahanov V, Chumachenko S, Litvinova E, Hahanova A. Cyber-physical social monitoring and governance for the state structures. In: Proceedings of 2018 IEEE 9th International Conference on Dependable Systems, Services and Technologies, DESSERT 2018 [Internet]; 2018. p. 123-9. Available from: www.scopus.com DOI: 10.1109/DESSERT.2018.8409112		
			71. Hahanov V, Chumachenko S, Litvinova E, Khakhanova H. Architectures of Quantum Memory-driven Computing. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTs 2018 [Internet]; 2018. Available from: www.scopus.com		

				DOI: 10.1109/EWDTS.2018.8524843		
				72. Hahanov V, Hacimahmud AV, Litvinova E, Chumachenko S, Hahanova I. Quantum Deductive Simulation for Logic Functions. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTS 2018 [Internet]; 2018. Available from: www.scopus.com DOI: 10.1109/EWDTS.2018.8524619		
				73. Hahanov V, Liubarskyi M, Gharibi W, Chumachenko S, Litvinova E, Hahanov I. Test Synthesis for Logical X-functions. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTS 2018 [Internet]; 2018. Available from: www.scopus.com DOI: 10.1109/EWDTS.2018.8524863		
				74. Hahanov V, Chumachenko S, Litvinova E, Hacimahmud AV, Hahanova A, Soklakova T. Cyber Social Computing. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTS 2018 [Internet]; 2018. Available from: www.scopus.com DOI: 10.1109/EWDTS.2018.8524663		
				75. Hahanov V, Mishchenko O, Soklakova T, Abdullayev V, Chumachenko S, Litvinova E. Cyber-social computing; 2019. 489 p. Available from: www.scopus.com DOI: 10.1007/978-3-030-00253-4_21		
KIY	АПІОТ	ЛИТВИНОВА ЄВГЕНІЯ ІВАНІВНА	74	1. Nevludov IS, Litvinova EI, Evseev VV. Solving of computer-aided manufacturing problems. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 2007. p. 543-5. Available from: www.scopus.com	35	Hahanov, Vladimir; Gharibi, Wajeb; Litvinova, Eugenia; Chumachenko, Svetlana; Information Analysis Infrastructure for Diagnosis; INFORMATION-AN INTERNATIONAL INTERDISCIPLINARY JOURNAL; 2011 14

			DOI: 10.1109/CADSM.2007.4297646		
			2. Hahanov VI, Chumachenko SV, Gharibi W, Litvinova E. Algebra-logical method for SoC embedded memory repair. In: Proceedings of The 15th International Conference Mixed Design of Integrated Circuits and Systems, MIXDES 2008 [Internet]; 20082008. p. 481-6. Available from: www.scopus.com		Hahanov, Vladimir; Gharibi, Wajeb; Litvinova, Eugenia; Chumachenko, Svetlana; Big Data Driven Cyber Analytic System; 2015 IEEE INTERNATIONAL CONGRESS ON BIG DATA - BIGDATA CONGRESS 2015; 2015 10.1109/BigDataCongress.2015.94
			3. Hahanov V, Litvinova E, Mostovaya K. Optimization of memory faults coverage by spares. Elektron Elektrotech [Internet]. 2008(2):17-22. Available from: www.scopus.com		Hahanov, Vladimir; Gharibi, Wajeb; Zhalilo, Aleksey; Litvinova, Eugenia; Cloud-Driven Traffic Control: Formal Modeling and Technical Realization; 2015 4TH MEDITERRANEAN CONFERENCE ON EMBEDDED COMPUTING (MECO); 2015
			4. Litvinova E, Mostovaya K, Krasnoyarujskaya K. Fault diagnosis and repair of SoC memory. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 635-9. Available from: www.scopus.com		Hahanov, Vladimir; Amer, Tamer Bani; Litvinova, Eugenia; Soklakova, Tetiana; Liubarskyi, Mykhailo; Shavlak, Nikolay; Dziuba, Kseniia; Qubit Test Synthesis of the Functionality; 2017 14TH INTERNATIONAL CONFERENCE: THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM); 2017
			5. Hahanov V, Litvinova E, Obrizan V, Gharibi W. Embedded method of SoC diagnosis. Elektron Elektrotech [Internet]. 2008(8):3-8. Available from: www.scopus.com		Guo, Haochang; Man, Ka Lok; Ren, Qilei; Huang, Qian; Hahanov, Vladimir; Litvinova, Eugenia; Chumachenko, Svetlana; FPGA Implementation of VLC Communication Technology; 2017 31ST IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION

					NETWORKING AND APPLICATIONS WORKSHOPS (IEEE WAINA 2017); 2017 10.1109/WAINA.2017.54
				6. Hahanov V, Litvinova E, Krasnoyaruhszkaya K, Galagan S. Diagnosis of SoC faulty memory cells for embedded repair. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'08 [Internet]; 2008. p. 143-8. Available from: www.scopus.com DOI: 10.1109/EWDTs.2008.5580144	Hahanov, Vladimir; Litvinova, Eugenia I.; Gharibi, Wajeb; Chumachenko, Svetlana V.; Cyber Physical System - iCloud Traffic Control; 2014 11TH INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY: NEW GENERATIONS (ITNG); 2014 10.1109/ITNG.2014.105
				7. Hahanov V, Obrizan V, Litvinova E, Man KL. Algebra-logical diagnosis model for SoC F-IP. WSEAS Trans Circuits Syst [Internet]. 2008;7(7):708-17. Available from: www.scopus.com	Hahanov, V.; Litvinova, E.; Obrizan, V.; Gharibi, W.; Embedded Method of SoC Diagnosis; ELEKTRONIKA IR ELEKTROTEHNIKA; 2008
				8. Hahanov V, Litvinova E, Umerah NC, Guz O. Embedded diagnosis and repairing of SoC memory. In: Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 10th International Conference, CADSM 2009 [Internet]; 2009. p. 296-300. Available from: www.scopus.com	Hahanov, Vladimir; Gharibi, Wajeb; Litvinova, Eugenia; Liubarskyi, Mykhailo; Hahanova, Anastasia; Quantum Memory-driven Computing for Test Synthesis; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2017
				9. Hahanov V, Litvinova E, Guz O, Yves T. Algebra-logical diagnosis and repair method for SoC memory. In: IFAC Proceedings Volumes (IFAC-PapersOnline) [Internet]; 2009. p. 13-8. Available from: www.scopus.com	Ziarmand, Artur; Chumachenko, Svetlana; Hahanov, Vladimir; Litvinova, Eugenia; Cloud Traffic Control: Smart Traffic-Driven Streetlight; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2017
				10. Vladimir H, Eugenia L, Irina P. SOC verification infrastructure. In: Proceedings - 2010 IEEE Region 8 International Conference on Computational Technologies in Electrical and Electronics Engineering, SIBIRCON-2010 [Internet]; 2010. p. 80-	Ziarmand, Artur; Litvinova, Eugenia; Chumachenko, Svetlana; Hahanov, Vladimir; Cloud-Driven Traffic Control: Route Service Metric; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2017

				5. Available from: www.scopus.com DOI: 10.1109/SIBIRCON.2010.5555318		
				11. Vladimir H, Svetlana C, Eugenia L. Logical analysis of information in tabular form. In: Proceedings - 2010 IEEE Region 8 International Conference on Computational Technologies in Electrical and Electronics Engineering, SIBIRCON-2010 [Internet]; 2010. p. 72-9. Available from: www.scopus.com DOI: 10.1109/SIBIRCON.2010.5555313		Hahanov, Vladimir; Litvinova, Eugenia; Chumachenko, Svetlana; Green Cyber-Physical Computing as Sustainable Development Model; GREEN IT ENGINEERING: COMPONENTS, NETWORKS AND SYSTEMS IMPLEMENTATION; 2017 105 10.1007/978-3-319-55595-9 4
				12. Hahanov V, Litvinova E, Priymak A. Table data structures for cyber space. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 2010. p. 118-22. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742150		Hahanov, Vladimir; Gharibi, Wajeb; Litvinova, Eugenia; Chumachenko, Svetlana; Cosmological Computing and Genome-Algorithm of the Universe; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2016
				13. Vladimir H, Svetlana C, Eugenia L. Logic vector analysis of associative tables. In: 2010 11th International Workshop on Symbolic and Numerical Methods, Modeling and Applications to Circuit Design, SM2ACD 2010 [Internet]; 2010. Available from: www.scopus.com DOI: 10.1109/SM2ACD.2010.5672300		Hahanov, Vladimir; Litvinova, Eugenia; Chumachenko, Svetlana; Liubarskyi, Mykhailo; Qubit Description of the Functions and Structures for Computing; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2016
				14. Hahanov V, Gharibi W, Chumachenko S, Litvinova E. Vector logic analysis of associative matrices. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 2010. p. 110-7. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742126		Mishchenko, Oleksandr; Hahanov, Vladimir; Abdullayev, Vugar; Litvinova, Eugenia; Chumachenko, Svetlana; Hahanova, Anastasya; Cloud Service for University E-government; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2016

			15. Hahanov V, Gharibi W, Litvinova E, Chumachenko S. Cyber space and brain-like computing. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 2010. p. 98-109. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742125	Hahanov, Vladimir; Mishchenko, Oleksandr; Litvinova, Eugenia; Chumachenko, Svetlana; Big Data Driven Smart Cyber University; PROCEEDINGS 2016 IEEE WORLD CONGRESS ON SERVICES - SERVICES 2016; 2016 10.1109/SERVICES.2016.33
			16. Hahanov V, Litvinova E, Gharibi W, Guz O. Coverage method for FPGA fault logic blocks by spares. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 2010. p. 51-6. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742089	Hahanov, Vladimir; Litvinova, Eugenia; Brazhnikova, Maria; Hahanova, Anastasia; Cyber Democracy and Digital Relationship; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
			17. Hahanov VI, Gharibi W, Litvinova EI, Umerah NC. Logic associative multiprocessor for information analysis. In: BEC 2010 - 2010 12th Biennial Baltic Electronics Conference, Proceedings of the 12th Biennial Baltic Electronics Conference [Internet]; 2010. p. 169-72. Available from: www.scopus.com DOI: 10.1109/BEC.2010.5630712	Hahanov, Vladimir; Chumachenko, Svetlana; Litvinova, Eugenia; Adamov, Alexander; Sorudeykin, Kirill; Structures for Information Retrieval in Big Data; PROCEEDINGS OF XIII INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015
			18. Vladimir H, Svetlana C, Eugenia L, Oleg Z, Natalka K. Technology for faulty blocks coverage by spares. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 2010. p. 473-8. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742109	Hahanov, Vladimir; Miz, Volodymyr; Litvinova, Eugenia; Mishchenko, Alexander; Shcherbin, Dmitry; Big Data Driven Cyber Physical Systems; PROCEEDINGS OF XIII INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015

			19. Gharibi W, Hahanov V, Litvinova E. Associative logical information analysis for cyber space. In: 2011 11th International Conference - The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2011 [Internet]; 20112011. p. 190-9.Available from: www.scopus.com	Abdullayev, Vugar; Hahanov, Vladimir; Litvinova, Eugenia; Farid, Dahiri; Arefiev, Anton; Hahanova, Yulia; Cloud Service - Cyber Social Democracy and Smart University; PROCEEDINGS OF 2015 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2015
			20. Litvinova E, Hahanova J, Priymak A. Infrastructure for logic decision-making. In: 2011 11th International Conference - The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2011 [Internet]; 20112011. p. 75-8.Available from: www.scopus.com	Gharibi, Wajeb; Hahanov, Vladimir; Litvinova, Eugenia; Hahanov, Ivan; Quantum Structures for Digital Systems Synthesis; PROCEEDINGS OF 2015 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2015
			21. Hahanov V, Gharibi W, Litvinova E, Chumachenko S. Information analysis infrastructure for diagnosis. Information [Internet]. 2011;14(7):2419-33. Available from: www.scopus.com	Hahanov, V., I; Hyduke, Stanley M.; Gharibi, Wajeb; Litvinova, E., I; Chumachenko, S., V; Hahanova, I., V; Quantum Models and Method for Analysis and Testing Computing Systems; 2014 11TH INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY: NEW GENERATIONS (ITNG); 2014 10.1109/ITNG.2014.125
			22. Hahanov V, Gharibi W, Park DW, Litvinova E. Cybercomputer for information space analysis. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS'2011 [Internet]; 20112011. p. 66-71.Available from: www.scopus.com DOI: 10.1109/EWDTS.2011.6116416	Hahanov, Vladimir; Gharibi, Wajeb; Abramova, L. S.; Chumachenko, Svetlana; Litvinova, Eugenia; Hahanova, Anna; Rustinov, Vladimir; Miz, Vladimir; Zhalilo, Aleksey; Ziarmand, Artur; Cyber Physical System - Smart Cloud Traffic Control; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2014

			23. Bondarenko MF, Hahanov VI, Litvinova EI. Logical associative multiprocessor structure. Autom Remote Control [Internet]. 2012;73(10):1648-66. Available from: www.scopus.com	Hahanov, Vladimir; Man, Ka Lok; Abbas, Baghdadi Ammar Awni; Litvinova, Eugenia; Chumachenko, Svetlana; Ahn, Jihyeok; Kim, Kyung Ki; TAB-model for Multilevel Diagnosis and Repair of HDL SoC; 2014 INTERNATIONAL SOC DESIGN CONFERENCE (ISODC); 2014
			24. Hahanov V, Litvinova E, Hahanova Y, Gharibi W. Fault detection of system level SoC model. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 2012. p. 290. Available from: www.scopus.com	Hahanov, Vladimir; Litvinova, Eugenia; Gharibi, Wajeb; Chumachenko, Svetlana; iCloud Traffic Control and Monitoring; 2014 UKSIM-AMSS 16TH INTERNATIONAL CONFERENCE ON COMPUTER MODELLING AND SIMULATION (UKSIM); 2014 10.1109/UKSim.2014.33
			25. Litvinova E, Hahanova A, Gorobets A, Priymak A. Verification system for SoC HDL-code. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 2012. p. 348. Available from: www.scopus.com	Abbas, Baghdadi Ammar Awni; Hahanov, V., I; Manikandan, Palanichamy; Litvinova, E., I; Dementiev, S.; Quantum modeling and repairing digital systems; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013
			26. Afolabi D, Shen Z, Krilavičius T, Hahanov V, Litvinova E, Chumachenko S, Man KL, Liang H-, Zhang N, Žalandauskas T. Real-time vibration reduction in UAV'S image sensors using efficient Hough transform. In: 8th International Conference on Electrical and Control Technologies, ECT 2013 [Internet]; 2013. p. 50-2. Available from: www.scopus.com	Hahanov, V. I.; Litvinova, E. I.; Chumachenko, S. V.; Abbas, Baghdadi Ammar Awni; Mandefro, Eshetie Abebech; Qubit Model for Solving the Coverage Problem; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013
			27. Hahanov V, Gharibi W, Man KL, Litvinova E, Chumachenko S, Guz O. Intelligent road control and monitoring; 2013. 327 p. Available from: www.scopus.com DOI: 10.1007/978-94-007-6516-0_36	Hahanov, V. I.; Litvinova, E. I.; Frolov, A.; Yves, Tiecoura; Models for Embedded Repairing Logic Blocks; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013

			28. Litvinova E, Hahanova I, Hahanova J, Abbas BAA. Embedded repair of logic blocks. In: 2013 12th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2013 [Internet]; 2013. p. 217-21. Available from: www.scopus.com	Hahanov, V., I; Hahanova, I., V; Litvinova, E., I; Chumachenko, S., V; Priymak, A.; Maksimov, M.; Yves, T; Jararweh (Jordan), Malek Jihad Mohammad; Quantum models for description of digital systems; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs 2013); 2013
			29. Hahanov VI, Litvinova EI, Frolov A, Yves T. Models for embedded repairing logic blocks. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013. Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673158	Lim, Eng Gee; Wang, Zhao; Juans, Gerry; Man, Ka Lok; Zhang, Nan; Hahanov, Vladimir; Litvinova, Eugenia; Chumachenko, Svetlana; Alexander, Mishchenko; Sergey, Dementiev; Design and Optimization of a Planar UWB Antenna; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs 2013); 2013
			30. Litvinova EI, Englesy IP, Miz VA, Shcherbin D. Cloud Infrastructure for car service. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013. Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673093	Litvinova, E., I; Englesy, I. P.; Miz, V. A.; Shcherbin, D.; Cloud Infrastructure for Car Service; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs 2013); 2013
			31. Abbas BAA, Hahanov VI, Manikandan P, Litvinova EI, Dementiev S. Quantum modeling and repairing digital systems. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013. Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673087	Litvinova, Eugenia; Hahanova, Irina; Hahanova, Julia; Abbas, Baghdadi Ammar Awni; Embedded Repair of Logic Blocks; 2013 12TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013); 2013

			32. Hahanov VI, Litvinova EI, Chumachenko SV, Abbas BAA, Mandefro EA. Qubit model for solving the coverage problem. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013. Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673167	Hahanov, Vladimir; Litvinova, Eugenia; Umerah, Ngene Christopher; Guz, Olesya; Embedded Diagnosis and Repairing of SoC Memory; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2009
			33. Hahanov V, Gharibi W, Abbas BAA, Chumachenko S, Guz O, Litvinova E. Cloud traffic monitoring and control. In: Proceedings of the 2013 IEEE 7th International Conference on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS 2013 [Internet]; 2013. p. 244-8. Available from: www.scopus.com DOI: 10.1109/IDAACS.2013.6662681	Hahanov, V.; Litvinova, E.; Mostovaya, K.; Optimization of memory faults coverage by spares; ELEKTRONIKA IR ELEKTROTEHNIKA; 2008
			34. Hahanov VI, Hahanova IV, Litvinova EI, Chumachenko SV, Priymak A, Maksimov M, Yves T, Jararweh MJM. Quantum models for description of digital systems. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013. Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673086	Hahanov, V. I.; Chumachenko, S. V.; Gharibi, W.; Litvinova, E.; Algebra-logical method for SOC embedded memory repair; MIXDES 2008: PROCEEDINGS OF THE 15TH INTERNATIONAL CONFERENCE ON MIXED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS; 2008
			35. Lim EG, Wang Z, Juans G, Man KL, Zhang N, Hahanov V, Litvinova E, Chumachenko S, Alexander M, Sergey D. Design and optimization of a planar UWB antenna. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013. Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673091	Hahanov, Vladimir; Obrizan, Vladimir; Litvinova, Eugenia; Man, Ka Lok; EMBEDDED SOC F-IP DIAGNOSIS BY USING ALGEBRAIC LOGICAL METHOD; PROCEEDINGS OF THE 12TH WSEAS INTERNATIONAL CONFERENCE ON CIRCUITS: NEW ASPECTS OF CIRCUITS; 2008

				36. Hahanov V, Gharibi W, Litvinova E, Chumachenko S. iCloud traffic control and monitoring. In: Proceedings - UKSim-AMSS 16th International Conference on Computer Modelling and Simulation, UKSim 2014 [Internet]; 20142014. p. 159-62.Available from: www.scopus.com DOI: 10.1109/UKSim.2014.33		
				37. Hahanov V, Litvinova E, Gharibi W, Chumachenko S. Cyber physical system - ICloud traffic control. In: ITNG 2014 - Proceedings of the 11th International Conference on Information Technology: New Generations [Internet]; 20142014. p. 426-9.Available from: www.scopus.com DOI: 10.1109/ITNG.2014.105		
				38. Hahanov VI, Hyduke SM, Gharibi W, Litvinova EI, Chumachenko SV, Hahanova IV. Quantum models and method for analysis and testing computing systems. In: ITNG 2014 - Proceedings of the 11th International Conference on Information Technology: New Generations [Internet]; 20142014. p. 430-4.Available from: www.scopus.com DOI: 10.1109/ITNG.2014.125		
				39. Hahanov V, Gharibi W, Abramova LS, Chumachenko S, Litvinova E, Hahanova A, Rustinov V, Miz V, Zhalilo A, Ziarmand A. Cyber physical system - smart cloud traffic control. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2014 [Internet]; 20142014Available from: www.scopus.com DOI: 10.1109/EWDTs.2014.7027107		
				40. Hahanov V, Man KL, Awni Abbas BA, Litvinova E, Chumachenko S, Lim EG, Leach M. An extended HDL SoC TAB-model for diagnosability and repair. In: Lecture Notes in Engineering and Computer Science [Internet]; 20152015. p. 729-32.Available from: www.scopus.com		

			41. Hahanov V, Man KL, Abbas BAA, Litvinova E, Chumachenko S, Ahn J, Kim KK. TAB-model for multilevel diagnosis and repair of HDL SoC. In: ISOCC 2014 - International SoC Design Conference [Internet]; 20152015. p. 181-2.Available from: www.scopus.com DOI: 10.1109/ISOCC.2014.7087686		
			42. Hahanov V, Zhalilo A, Gharibi W, Litvinova E. Cloud-driven traffic control: Formal modeling and technical realization. In: Proceedings - 2015 4th Mediterranean Conference on Embedded Computing, MECO 2015 - Including ECyPS 2015, BioEMIS 2015, BioICT 2015, MECO-Student Challenge 2015 [Internet]; 20152015. p. 21-4.Available from: www.scopus.com DOI: 10.1109/MECO.2015.7181896		
			43. Hahanov V, Gharibi W, Litvinova E, Chumachenko S. Big Data Driven Cyber Analytic System. In: Proceedings - 2015 IEEE International Congress on Big Data, BigData Congress 2015 [Internet]; 20152015. p. 615-22.Available from: www.scopus.com DOI: 10.1109/BigDataCongress.2015.94		
			44. Hahanov V, Chumachenko S, Litvinova E, Adamov A, Sorudeykin K. Structures for information retrieval in big data. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 70-5.Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230799		
			45. Hahanov V, Miz V, Litvinova E, Mishchenko A, Shcherbin D. Big Data driven cyber physical systems. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD		

				Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 76-80.Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230800		
				46. Hahanov V, Litvinova E, Brazhnikova M, Hahanova A. Cyber democracy and digital relationship. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 545-8.Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452110		
				47. Gharibi W, Litvinova E, Hahanov V, Hahanov I. «Quantum» structures for digital systems synthesis. In: Proceedings of 2015 IEEE East-West Design and Test Symposium, EWDTs 2015 [Internet]; 20162016Available from: www.scopus.com DOI: 10.1109/EWDTs.2015.7493180		
				48. Abdullayev V, Litvinova E, Arefiev A, Hahanov V, Farid D, Hahanova Y. Cloud service - Cyber social democracy and smart university. In: Proceedings of 2015 IEEE East-West Design and Test Symposium, EWDTs 2015 [Internet]; 20162016Available from: www.scopus.com DOI: 10.1109/EWDTs.2015.7493104		
				49. Hahanov V, Mishchenko O, Litvinova E, Chumachenko S. Big Data Driven Smart Cyber University. In: Proceedings - 2016 IEEE World Congress on Services, SERVICES 2016 [Internet]; 20162016. p. 134-41.Available from: www.scopus.com DOI: 10.1109/SERVICES.2016.33		

				50. Hahanov V, Litvinova E, Chumachenko S. Green cyber-physical computing as sustainable development model; 2017. 65 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-55595-9_4		
				51. Hahanov V, Gharibi W, Litvinova E, Chumachenko S. Cosmological computing and genome-algorithm of the universe. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 2017. Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807668		
				52. Hahanov V, Litvinova E, Chumachenko S, Liubarskyi M. Qubit description of the functions and structures for computing. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 2017. Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807659		
				53. Mishchenko O, Hahanov V, Abdullayev V, Litvinova E, Chumachenko S, Hahanova A. Cloud service for university E-government. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 2017. Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807660		
				54. Hahanov V, Gharibi W, Litvinova E, Chumachenko S, Ziarmand A, Englesi I, Gritsuk I, Volkov V, Khakhanova A. Cloud-driven traffic monitoring and control based on smart virtual infrastructure. SAE Techni Paper [Internet]. 2017;2017-March(March) Available from: www.scopus.com		
				55. Hahanov V, Amer TB, Litvinova E, Soklakova T, Liubarskyi M, Shavlak N, Dziuba K. Qubit test synthesis of the functionality. In: 2017 14th International Conference The Experience of Designing		

				and Application of CAD Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 20172017. p. 251-5. Available from: www.scopus.com DOI: 10.1109/CADSM.2017.7916128		
				56. Guo H, Man KL, Ren Q, Huang Q, Hahanov V, Litvinova E, Chumachenko S. FPGA implementation of VLC communication technology. In: Proceedings - 31st IEEE International Conference on Advanced Information Networking and Applications Workshops, WAINA 2017 [Internet]; 20172017. p. 586-90. Available from: www.scopus.com DOI: 10.1109/WAINA.2017.54		
				57. Ziarmand A, Litvinova E, Chumachenko S, Hahanov V. Cloud-driven traffic control: Route service metric. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110153		
				58. Ziarmand A, Chumachenko S, Hahanov V, Litvinova E. Cloud traffic control: Smart traffic-driven streetlight. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110064		
				59. Hahanov V, Gharibi W, Litvinova E, Liubarskyi M, Hahanova A. Quantum memory-driven computing for test synthesis. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110147		

			60. Hahanov V, Chumachenko S, Litvinova E. Qubit computing for digital system diagnosis In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 163-82. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_8		
			61. Hahanov V, Litvinova E, Chumachenko S. Cosmological computing and the genome of the universe In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 219-32. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_11		
			62. Hahanov V, Litvinova E, Chumachenko S. Computing for diagnosis of HDL code In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 149-62. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_7		
			63. Hahanov V, Mishchenko O, Litvinova E. Cloud service computing: The "Smart Cyber University" In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 183-200. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_9		
			64. Hahanov V, Litvinova E, Chumachenko S, Hahanova A. Cyber physical computing In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 1-20. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_1		
			65. Hahanov V, Gharibi W, Litvinova E, Adamov A. Multiprocessor architecture for big data computing In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 21-41. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_2		

			66. Hahanov V, Litvinova E, Chumachenko S, Soklakova T, Hahanova I. Big data quantum computing In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 43-69. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_3		
			67. Hahanov V, Gharibi W, Man KL, Iemelianov I, Liubarskyi M, Abdullayev V, Litvinova E, Chumachenko S. Cyber-physical technologies: Hype cycle 2017 In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 259-72. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_14		
			68. Hahanov V, Litvinova E, Chumachenko S, Hahanov I, Hahanova A. Methods for quantum analysis of digital circuits. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018. p. 790-6. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336317		
			69. Hahanov V, Chumachenko S, Litvinova E, Hahanova A. Cyber-physical social monitoring and governance for the state structures. In: Proceedings of 2018 IEEE 9th International Conference on Dependable Systems, Services and Technologies, DESSERT 2018 [Internet]; 2018. p. 123-9. Available from: www.scopus.com DOI: 10.1109/DESSERT.2018.8409112		
			70. Hahanov V, Chumachenko S, Litvinova E, Khakhanova H. Architectures of Quantum Memory-driven Computing. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTs 2018 [Internet]; 2018. Available from: www.scopus.com		

				DOI: 10.1109/EWDTS.2018.8524843		
				71. Hahanov V, Hacimahmud AV, Litvinova E, Chumachenko S, Hahanova I. Quantum Deductive Simulation for Logic Functions. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTS 2018 [Internet]; 2018. Available from: www.scopus.com DOI: 10.1109/EWDTS.2018.8524619		
				72. Hahanov V, Liubarskyi M, Gharibi W, Chumachenko S, Litvinova E, Hahanov I. Test Synthesis for Logical X-functions. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTS 2018 [Internet]; 2018. Available from: www.scopus.com DOI: 10.1109/EWDTS.2018.8524863		
				73. Hahanov V, Chumachenko S, Litvinova E, Hacimahmud AV, Hahanova A, Soklakova T. Cyber Social Computing. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTS 2018 [Internet]; 2018. Available from: www.scopus.com DOI: 10.1109/EWDTS.2018.8524663		
				74. Hahanov V, Mishchenko O, Soklakova T, Abdullayev V, Chumachenko S, Litvinova E. Cyber-social computing; 2019. 489 p. Available from: www.scopus.com DOI: 10.1007/978-3-030-00253-4_21		
ЕЛБІ	МЕЕП П	ГОРДІЄНКО ЮРІЙ ОМЕЛЯНОВИ Ч	67	1. Gordienko YE, Starostenko VV, Dudkin YA, Shevchenko VE. INSTRUMENT FOR MEASURING THE THICKNESS OF SEMICONDUCTOR EPITAXIAL FILMS ON THE LOW-OHM SUBSTRATE. Instrum Exp Tech [Internet]. 1974;17(4 pt 2):1183-5. Available from: www.scopus.com	22	GORDIENKO, YE; KOSTENKO, VL; CRYSTALLIZATION KINETICS OF AMORPHOUS SELENIUM CONDENSATES; KRISTALLOGRAFIYA; 1974 19

			2. Gordienko YE, Dudkin YA, Borodin BG. APPARATUS FOR INVESTIGATING THE PHOTOCONDUCTIVITY OF SEMICONDUCTORS WITH UHF BIASING. Instrum Exp Tech [Internet]. 1977;20(1 pt 2):276-8. Available from: www.scopus.com	GORDIENKO, YE; STAROSTE.VV; DUDKIN, YA; SHEVCHEN.VE; DEVICE FOR THICKNESS MEASUREMENT OF SEMICONDUCTOR EPITAXIAL-FILMS ON LOW-RESISTANCE BASE LAYERS; PRIBORY I TEKHNIKA EKSPERIMENTA; 1974
			3. Gordienko YE, Gud YI, Dudkin YA, Zhukov GV, Nikitskii VP, Starostenko VV. MICROWAVE DEVICE FOR MEASURING THICKNESS OF FILMS ON LOW-OHMIC SUBSTRATES. Instrum Exp Tech [Internet]. 1981;24(3 pt 2):813-6. Available from: www.scopus.com	Bondarenko, I. N.; Gordienko, Yu. Ye.; Levchenko, A. V.; Submillimetric Localization of Microwave Diagnostics and Modification of Objects of Various Nature; 2016 9TH INTERNATIONAL KHARKIV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES (MSMW); 2016
			4. Gordienko YE, Dudkin YA, Borodin BG, Fedotov DA. EQUIPMENT FOR THE ELECTRODELESS MEASUREMENT OF THE LIFETIME OF CHARGE CARRIERS IN SEMICONDUCTORS. Instrum Exp Tech [Internet]. 1983;26(2 pt 2):465-8. Available from: www.scopus.com	Gordienko, Yu. Ye.; Shcherban, I. M.; Levchenko, A. V.; Electrodynamics Principles of Designing a High Local Resonator Probe for Microwave Diagnostics of Various Objects; 2016 International Conference Radio Electronics & Info Communications (UkrMiCo); 2016
			5. Gordienko YE, Borodin BG. CONTACTLESS MEASUREMENT OF CHARGE CARRIER MOBILITY IN SEMICONDUCTORS. Instrum Exp Tech [Internet]. 1984;27(1 pt 2):208-10. Available from: www.scopus.com	Gordienko, Yu. E.; Slipchenko, N., I; Poletaev, D. A.; Prokaza, A. M.; Pyataikina, M., I; PATTERNS OF MICROWAVE MODIFICATION OF SEMICONDUCTOR THIN FILM STRUCTURES; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014

			6. Gordienko YE, Ovcharenko LA. AUTODYNE UHF THICKNESS GAUGE FOR SEMICONDUCTOR FILMS. Ind Lab (USSR) [Internet]. 1984;50(7):672-5. Available from: www.scopus.com	Gordienko, Yu. O.; Larkin, S. Yu; Slipchenko, M., I; Csherbak, Ye. L.; MICROWAVE MICROMODIFIER POWER MODE OPTIMIZATION FOR MICROTECHNOLOGIES; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
			7. Gordienko YE. Radiophysical investigation of ordered domains in amorphous semiconductors. Telecommun Radio Eng [Internet]. 1997;51(6-7):174-80. Available from: www.scopus.com	Taran, E. P.; Gordienko, Yu. E.; Slipchenko, N., I; DYNAMICS OF DEVELOPMENT OF THERMAL PROCESSES IN SEMICONDUCTOR STRUCTURES AT THE LOCAL EFFECTS OF MICROWAVE RADIATION; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
			8. Gordienko YE, Borodin BG, Ryabukhin AA. Photomodulation microwave diagnostics of semiconductor structures. Telecommun Radio Eng [Internet]. 1998;52(12):82-8. Available from: www.scopus.com	Gordienko, Yu. E.; Polishchuk, A., V; Slipchenko, N., I; MASTER OSCILLATOR AFC IN MICROWAVE DIAGNOSTICS OF SEMICONDUCTORS AND METAMATERIALS; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
			9. Gordienko YE, Borodin BG, Smuglii VI. Microwave photomodulation method for the study of recombination processes in semiconductors. Telecommun Radio Eng [Internet]. 1998;52(2):47-52. Available from: www.scopus.com	Gordienko, Yu. Ye.; Koriagina, E. Yu.; Slipchenko, N. I.; General theory of microwave semiconductors and dielectrics diagnostics using ideal single mode resonator measuring converters; KPBIMUKO 2007CRIMICO:

					17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368844
				10. Gordienko YE, Gud YI, Sukhorukov IV. Progress in semiconductor resistivity measurements using noncontact microwave test equipment. Telecommun Radio Eng [Internet]. 1998;52(3):12-5. Available from: www.scopus.com	Gordienko, Yu. Ye.; Melnik, S. I.; Petrov, V. V.; Slipchenko, N. I.; Realization of the new microwave microscopy resolution improvement directions; KPBIMUKO 2007CRIMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368845
				11. Gordienko YE, Panchenko AY, Ryabukhin AA. Theoretical analysis of a microwave toroidal cavity transducer. Telecommun Radio Eng [Internet]. 1999;53(12):41-8. Available from: www.scopus.com	Gordienko, Yu. E.; Zuev, S. A.; Starostenko, V. V.; Tereshchenko, V. Yu.; Shadrin, A. A.; Osadchuk, A. E.; Wunsch-Bell criterion dependency for silicium FET; 2005 15th International Crimean Conference Microwave & Telecommunication Technology, Vols 1 and 2, Conference Proceedings; 2005
				12. Gordiyenko YY, Panchenko AY, Kocherzin AI, Ryabukhin AA. Microwave resonator transducers for moisture measuring. In: 2000 10th International Crimean Microwave Conference "Microwave and Telecommunication Technology", CriMico 2000 [Internet]; 20002000. p. 543-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.2000.1256219	Gordienko, Yu. Ye.; Ryabukhin, A. A.; Slipchenko, N. I.; Ananyin, V. V.; Resonator probe for near-field scanning microwave microscope; 2005 15th International Crimean Conference Microwave & Telecommunication Technology, Vols 1 and 2, Conference Proceedings; 2005

			13. Gordienko YY, Ryabukhin AA, Slipchenko NI. Electrodynamic models of resonator sensors in microwave diagnostics of semiconductors. In: Proceedings of the International Conference on Modern Problems of Radio Engineering, Telecommunications and Computer Science, TCSET 2002 [Internet]; 2002;2002. p. 100. Available from: www.scopus.com DOI: 10.1109/TCSET.2002.1015874	Gordienko, Y; Pashkov, A; Slipchenko, H; Optimization of the measuring information signals in microwave hygrometry; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2004
			14. Gordienko YE, Yakovlev DR. Mathematical aspects of the field-effect method for spectroscopy of localized states in disordered semiconductors. Telecommun Radio Eng [Internet]. 2002;58(5-6):58-65. Available from: www.scopus.com	Gordienko, Y; Gud, Y; Slipchenko, I; Particularities of signals formation in microwave microscopy; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2004
			15. Gordienko YY, Kocherzhin AI. Upgrading of metrological characteristics of MW-resonator moisture meter for free-flowing bulk materials. Telecommun Radio Eng [Internet]. 2002;57(4):95-9. Available from: www.scopus.com	Gordienko, YY; Ryabukhin, AA; Slipchenko, NI; Electrodynamic models of resonator sensors in microwave diagnostics of semiconductors; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2002 10.1109/TCSET.2002.1015874
			16. Gordienko YY, Panchenko AY. Modulation conversions of information signals in resonance gauges of parameters of objects and mediums. Telecommun Radio Eng [Internet]. 2003;60(7-9):170-80. Available from: www.scopus.com	GORDIENKO, YE; OVCHARENKO, LA; AUTODYNE UHF THICKNESS GAUGE FOR SEMICONDUCTOR-FILMS; INDUSTRIAL LABORATORY; 1984 50
			17. Gordienko Y, Pashkov A, Slipchenko N. Optimization of the measuring information signals in microwave hygrometry. In: Modern Problems of Radio Engineering, Telecommunications and Computer	GORDIENKO, YE; BORODIN, BG; CONTACTLESS MEASUREMENT OF CHARGE CARRIER MOBILITY IN SEMICONDUCTORS; INSTRUMENTS AND

			Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 256. Available from: www.scopus.com	EXPERIMENTAL TECHNIQUES; 1984 27
			18. Gordienko Y, Gud Y, Slipchenko N. Particularities of signals formation in microwave microscopy. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 289. Available from: www.scopus.com	GORDIENKO, YE; DUDKIN, YA; BORODIN, BG; FEDOTOV, DA; EQUIPMENT FOR THE ELECTRODELESS MEASUREMENT OF THE LIFETIME OF CHARGE-CARRIERS IN SEMICONDUCTORS; INSTRUMENTS AND EXPERIMENTAL TECHNIQUES; 1983 26
			19. Gordyenko YY, Hammoud FM, Gerasimov VP. Numerical model of effective dielectric permeability of disperse environments on the microwave. In: 2005 15th International Crimean Conference Microwave and Telecommunication Technology, CriMiCo'2005 - Conference Proceedings [Internet]; 20052005. p. 842-3. Available from: www.scopus.com DOI: 10.1109/CRMICO.2005.1565165	GORDIENKO, YE; GUD, YI; DUDKIN, YA; ZHUKOV, GV; NIKITSKII, VP; STAROSTENKO, VV; MICROWAVE DEVICE FOR MEASURING THICKNESS OF FILMS OF LOW-OHMIC SUBSTRATES; INSTRUMENTS AND EXPERIMENTAL TECHNIQUES; 1981 24
			20. Gordienko YY, Ryabukhin AA, Slipchenko NI, Ananyin VV. Resonator probe for near-field scanning microwave microscope. In: 2005 15th International Crimean Conference Microwave and Telecommunication Technology, CriMiCo'2005 - Conference Proceedings [Internet]; 20052005. p. 721-2. Available from: www.scopus.com DOI: 10.1109/CRMICO.2005.1565108	GORDIENKO, YE; GUD, YI; POPOV, YV; ELECTRODELESS MEASUREMENT OF ELECTROPHYSICAL PARAMETERS OF SEMICONDUCTOR STRUCTURES; INDUSTRIAL LABORATORY; 1977 43
			21. Gordienko YE, Zuev SA, Starostenko VV, Tereshchenko VY, Shadrin AA, Osadchuk AE. Wunsch-Bell criterion dependency for silicium fet. In: 2005 15th International Crimean Conference Microwave and Telecommunication Technology,	GORDIENKO, YE; DUDKIN, YA; BORODIN, BG; APPARATUS FOR INVESTIGATING PHOTOCONDUCTIVITY OF SEMICONDUCTORS WITH UHF BIASING; INSTRUMENTS AND

				CriMiCo'2005 - Conference Proceedings [Internet]; 20052005. p. 697-8. Available from: www.scopus.com DOI: 10.1109/CRMICO.2005.1565098		EXPERIMENTAL TECHNIQUES; 1977 20
				22. Gordienko YE, Petrov VV, Khammud FM. Estimation of numerical-analytical models of microwave cavity detectors with a coaxial measuring aperture. Telecommun Radio Eng [Internet]. 2006;65(9):789-98. Available from: www.scopus.com		GORDIENKO, YE; KOSTENKO, VL; MELNIKOVA, LP; PHOTOCRYSTALLIZATION OF AMORPHOUS CONDENSATES OF SELENIUM; KRISTALLOGRAFIYA; 1975 20
				23. Gordienko YE, Zuev SA, Starostenko VV, Tereshchenko VY, Shadrin AA. Avalanche features in silicon schottky-FETs in accordance with numerical simulation results. Telecommun Radio Eng [Internet]. 2006;65(16):1533-46. Available from: www.scopus.com		
				24. Gordienko YY, Koriagina EY, Slipchenko NI. General theory of microwave semiconductors and dielectrics diagnostics using ideal single mode resonator measuring converters. In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 20072007. p. 545-6. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368844		
				25. Gordienko YY, Melnik SI, Petrov VV, Slipchenko NI. Realization of the new microwave microscopy resolution improvement directions. In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 20072007. p. 547-8. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368845		

			26. Gordienko YE, Borodin BG. Microwave-based semiconductor ionizing radiation detectors. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 114-5. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676312		
			27. Gordienko YE, Petrov VV, Slipchenko NI. Measuring information signals in microwave micro-and nanodiagnostics of semiconductor materials and structures. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 722-3. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676573		
			28. Gordienko YE, Poletaev DA, Starostenko VV. Estimation of the gap size influence on the coaxial resonant measuring converter output signals. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 548-9. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676497		
			29. Gordienko YY, Melnik SI, Slipchenko NI, Ischenko AL. Improvement of spatial resolution of semiconductors' microwave microscopy. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 546-7. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676496		

			30. Bondarenko IN, Gordienko UE, Larkin SJ. Systems of information signals shaping in cavity microwave microscopy. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 563-4. Available from: www.scopus.com		
			31. Gordienko YY, Good YI, Poletayev DA. Radiating losses influence on characteristics of microwave resonator measuring converters with coaxial aperture. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 561-2. Available from: www.scopus.com		
			32. Gordienko YE, Slipchenko NI, Yatskiv AM. Near-field microwave probe on the basis of cone coaxial resonator. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 565-6. Available from: www.scopus.com		
			33. Gordienko YE, Borodin BG, Soroka AS. Design of nonelectrode microwave-biased radiation detectors. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 793-4. Available from: www.scopus.com		

			34. Gordienko Y, Larkin S. Near-field resonant sensors for scanning microwave microscopy. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 104. Available from: www.scopus.com		
			35. Gordiyenko Y, Bondarenko I, Slipchenko N. Biological objects parameters meter based on microwave microscope with coaxial resonant sensor. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 137. Available from: www.scopus.com		
			36. Gordienko YY, Lepikh YI. The new generation of microwave near-field sensors. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 1041-2. Available from: www.scopus.com		
			37. Melnik SI, Gordienko JO. Method of microwave scanning tomography of electrical properties of semiconductors. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 721-2. Available from: www.scopus.com		
			38. Gordienko YY, Larkin SY. The basic aspects of the general theory of scanning microwave microscopy. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference		

				Proceedings [Internet]; 20102010. p. 1029-30. Available from: www.scopus.com		
				39. Gordienko YY, Starostenko VV, Shadrin AA, Poletaev DA. The coaxial resonator measuring converter for microwave aquimetry. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 1001-2. Available from: www.scopus.com		
				40. Gordienko YY, Shadrin AA, Poletaev DA, Grishkovetz VI, Turchin DV. Resonator measuring converter with the coaxial aperture for microobject aquametry. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 1014-5. Available from: www.scopus.com		
				41. Gordiyenko YY, Gud YI, Poletaev DA. Influence of oscillatory and radiation losses on the characteristics of microwave converters with coaxial measurement aperture. Telecommun Radio Eng [Internet]. 2011;70(2):149-57. Available from: www.scopus.com		
				42. Gordienko YE, Larkin SU, Prokaza AM. Electromagnetisc properties of resonator microprobe for the scanning microwave microscopy. Telecommun Radio Eng [Internet]. 2011;70(15):1333-42. Available from: www.scopus.com		

			43. Gordienko YY, Starostenko VV, Poletaev DA. The coaxial resonator of shortening capacity. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 1019-20. Available from: www.scopus.com		
			44. Gordienko YE, Larkin SY, Soroka AS. Features of modeling and taking into account of radiating losses in near-field microwave microscopy. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 661-2. Available from: www.scopus.com		
			45. Gordienko YE, Larkin SY, Good YI, Prokaza AM. Study of electrodynamic properties of microprobe based on taper coaxial resonator in scanning microwave microscopy. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 663-4. Available from: www.scopus.com		
			46. Gordienko YE, Good YI, Kamyshan AA, Larkin SY. Comparative analysis of characteristics of resonator sensors for SMM of semiconductors. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 659-60. Available from: www.scopus.com		
			47. Gordienko YE, Larkin SY, Prokaza AM. Quantitative estimation of physical processes at a contactless scanning microwave microscopy. Telecommun Radio Eng [Internet]. 2012;71(3):265-76.		

				Available from: www.scopus.com		
				48. Gordienko YE, Larkin SU, Prokaza AM. Analytical simulation of instrumentation performance of resonance probes in scanning microwave microscopy. Telecommun Radio Eng [Internet]. 2012;71(12):1115-23. Available from: www.scopus.com		
				49. Gordienko YE, Larkin SY, Prokaza AM. The analytical approximation of measuring dependences of resonator probes for scanning microwave microscopy. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 625-6. Available from: www.scopus.com		
				50. Gordienko YE, Larkin CY, Chkhotua MSE. Sample - Tip distance influence in Scanning Microwave Microscopy. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 623-4. Available from: www.scopus.com		
				51. Gordienko YE, Gud YI, Larkin SY, Slipchenko NI. Resolution of cavity probes of scanning microwave microscopy. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 619-20. Available from: www.scopus.com		

			52. Gordienko YE, Larkin SY, Melnyk SI, Slipchenko NI. Restoration algorithm of the depth distribution of electrophysical properties of semiconductors in microwave microscopy. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 621-2.Available from: www.scopus.com		
			53. Gordiyenko YY, Tran YP. The model of numerical investigation of highly localized thermal effect of the microwave electromagnetic field upon semiconductive substances. Telecommun Radio Eng [Internet]. 2013;72(20):1899-913. Available from: www.scopus.com		
			54. Gordienko YE, Slipchenko NI, Taran EP. Model of high-intensity local influence of microwave radiation on semiconductor layered structures. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 916-7.Available from: www.scopus.com		
			55. Gordienko YE, Slipchenko NI, Poletaev DA, Prokaza AM, Pyataikina MI. High local scanning modification of semiconductors and dielectrics. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 726-7.Available from: www.scopus.com		
			56. Bondarenko IN, Gordienko YY, Polishchuk AV, Slipchenko NI, Troitskiy SI. Signal generation, contrast and resolution in near-field microwave microscopy. In: CriMiCo 2013 - 2013 23rd International Crimean		

				Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 724-5. Available from: www.scopus.com		
				57. Taran EP, Gordienko YE, Slipchenko NI. Dynamics of development of thermal processes in semiconductor structures at the local effects of microwave radiation. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20142014. p. 878-9. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959674		
				58. Gordienko YE, Polishchuk AV, Slipchenko NI. Master oscillator AFC in microwave diagnostics of semiconductors and metamaterials. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20142014. p. 994-5. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959729		
				59. Gordienko YO, Larkin SY, Slipchenko MI, Csherbak YL. Microwave micromodifier power mode optimization for microtechnologies. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20142014. p. 773-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959625		
				60. Gordienko YE, Slipchenko NI, Poletaev DA, Prokaza AM, Pyataikina MI. Patterns of microwave modification of semiconductor thin film structures. In: CriMiCo 2014 - 2014 24th International Crimean		

			Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20142014. p. 763-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959620		
			61. Gordienko YY, Larkin SY, Slipchenko NI, Shcherbak YL. Local MW heating-up kinetics in semiconductors and dielectrics. Telecommun Radio Eng [Internet]. 2015;74(9):787-95. Available from: www.scopus.com		
			62. Gordienko YY, Shiyan OP, Shcherban IM. Suppressing the effects of interfering factors in local microwave diagnostics. Telecommun Radio Eng [Internet]. 2016;75(13):1221-9. Available from: www.scopus.com		
			63. Gordienko YY, Shcherban IM, Levchenko AV. Principles of universalization of microwave facilities for diagnostics of small-scale objects. Telecommun Radio Eng [Internet]. 2016;75(14):1313-20. Available from: www.scopus.com		
			64. Bondarenko IN, Gordienko YY, Levchenko AV. Submillimetric localization of microwave diagnostics and modification of objects of various nature. In: 9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2016 [Internet]; 20162016 Available from: www.scopus.com DOI: 10.1109/MSMW.2016.7538014		
			65. Gordienko YY, Shcherban IM, Levchenko AV. Electrodynamic principles of designing a high local resonator probe for microwave diagnostics of various objects. In: 2016 IEEE International Scientific Conference "Radio Electronics and Info		

				Communications", UkrMiCo 2016 - Conference Proceedings [Internet]; 2016 Available from: www.scopus.com DOI: 10.1109/UkrMiCo.2016.7739608		
				66. Gordienko YY, Shcherban IM, Levchenko AV. Naturalization of images in scanning microwave microscopy. Telecommun Radio Eng [Internet]. 2017;76(19):1769-75. Available from: www.scopus.com		
				67. Gordienko YY, Shcherban IM, Levchenko AV, Polishchuk AV, Prokaza AM. Resonator aperture microwave sensors for small objects properties testing. Telecommun Radio Eng [Internet]. 2017;76(18):1649-59. Available from: www.scopus.com		
ЕЛБІ	ФОЕТ	МАЧЕХІН ЮРІЙ ПАВЛОВИЧ	67	1. Buts VA, Machehkin YP. Diffraction focusing of waves in periodically inhomogeneous layers. Radiophys Quantum Electron [Internet]. 1977;20(7):729-34. Available from: www.scopus.com	11	Tsurimaki, Yoichiro; Tong, Jonathan K.; Boriskin, Victor N.; Semenov, Alexander; Ayzatsky, Mykola I.; Machehkin, Yuri P.; Chen, Gang; Boriskinalb, Svetlana V.; Topological Engineering of Interfacial Optical Tamm States for Highly Sensitive Near-Singular-Phase Optical Detection; ACS PHOTONICS; 2018 5 10.1021/acsp Photonics.7b01176
				2. Buts VA, Machehkin YP. Space and time dynamics of formation of resonance-scattered waves. Radiophys Quantum Electron [Internet]. 1982;25(10):823-7. Available from: www.scopus.com		Machehkin, Yu. P.; Fractal scale for time series of the results of measurements; MEASUREMENT TECHNIQUES; 2009 52 10.1007/s11018-009-9358-4
				3. Machehkin YP. Accuracy of measurements of a physical quantity characterizing a dynamic system. Meas Tech [Internet]. 1988;31(2):99-101. Available from: www.scopus.com		Machehkin, Yu. P.; Effects of chaotic dynamic-system behavior on measurement uncertainty; MEASUREMENT TECHNIQUES; 2008 51 10.1007/s11018-008-0002-5

			4. Machekhin Y, Odinet VA, Smulakovskii VM, Solov'ev AV, Solov'ev VS. Multi-functional apparatus for the measurement of wavelength and the spectra of light sources over a broad spectral range. Meas Tech [Internet]. 1995;38(3):300-3. Available from: www.scopus.com	Boriskin, Victor N.; Ayzatsky, Mykola I.; Boriskina, Svetlana V.; Machehin, Yuri P.; Semennov, Alexander; Theoretical and experimental study of temperature-dependent spectral properties of multi-layer metal-dielectric nano-film structures; ICTON 2007: PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, VOL 4; 2007 10.1109/ICTON.2007.4296399
			5. Machehin YP, Odinet VA, Smulacovsky VM, Soloviov VS. Optical frequency (wavelength) standard, based on group of He-Ne/127J2 lasers with $\lambda = 633$ nm. In: CPEM Digest (Conference on Precision Electromagnetic Measurements) [Internet]; 1996. p. 110. Available from: www.scopus.com	Machekhin, Y. P.; Beznosenko, I. V.; 1.5 μ m Solid-state Lasers with Diode Pumping; JOURNAL OF NANO- AND ELECTRONIC PHYSICS; 2017 9 10.21272/jnep.9(3).03019
			6. Machekhin YP, Odinet VA, Smulakovskii VA, Domnin YS, Tenishev VP. Comparisons of HE-NE/I2 lasers in the komet 94/UA-a/92 program in 1996. Meas Tech [Internet]. 1997;40(11):1133-5. Available from: www.scopus.com	Machekhin, Yu. P.; Kurskoy, Yu. S.; The compilation of Shannon entropy measurement equation for nonlinear dynamic systems by using the interval analysis methods; DEVICES AND METHODS OF MEASUREMENTS; 2015 6
			7. Machekhin YP, Smulakovsky VM, Solovyov AV. Primary standard of length unit-metre based on the group of He-Ne/I2 lasers. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 1998. p. 38-40. Available from: www.scopus.com	Machekhin, Yu. P.; Kurskoy, Yu. S.; FRACTAL-ENTROPY ANALYSIS OF THE RESULTS OF MEASUREMENTS IN NONLINEAR DYNAMICAL SYSTEMS; MEASUREMENT TECHNIQUES; 2014 57 10.1007/s11018-014-0506-0
			8. Machekhin Y, Odinet V, Shalayev Y, Zub S. Creation of calibration services for fiber optic power meters and optical time domain reflectometers in Ukraine. In: Proceedings of SPIE - The International	Kukhtin, Mykhail; Machekhin, Yury; Chernyakov, Eduard; Nerukh, Alexandr; Lisetski, Longin; Cocherzhin, Alexandr; Tuning of Resonator by Control of Nematic

			Society for Optical Engineering [Internet]; 19981998. p. 100-2.Available from: www.scopus.com	Liquid Crystal Properties; 2010 12TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS (ICTON); 2011
			9. Muravski A, Konovalov V, Yakovenko S, Matuszczyk T, Matuszczyk M, Lagerwall ST, D'Alessandro A, Campoli F, Maltese P, Rzepka J, Pienkowski J, Sambor S, Machehin Y. SSFLC polarization switch for zeeman laser stabilization loop. Mol Cryst Liq Cryst Sci Technol Sect A Mol Cryst Liq Cryst [Internet]. 1999;331:245-59. Available from: www.scopus.com	Danelyan, A. G.; Machekhin, Yu. P.; PRACTICAL IMPLEMENTATION OF A NEW DEFINITION OF THE UNIT OF LENGTH; MEASUREMENT TECHNIQUES; 2010 53 10.1007/s11018-010-9492-z
			10. Machekhin YP, Raschektaeva AI. Basic problems of metrology maintenance optical testers and wattmeters. In: Proceedings of LFNM 2000: 2nd International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20002000. p. 61-3.Available from: www.scopus.com DOI: 10.1109/LFNM.2000.854041	Machekhin, Yu P.; Modification of measurement theory; 13TH IMEKO TC1-TC7 JOINT SYMPOSIUM - WITHOUT MEASUREMENT NO SCIENCE, WITHOUT SCIENCE NO MEASUREMENT; 2010 238 10.1088/1742-6596/238/1/012048
			11. Babich VM, Machekhin YP. Frequency stabilized lasers for coherent optical communications. In: Proceedings of LFNM 2000: 2nd International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20002000. p. 17-9.Available from: www.scopus.com DOI: 10.1109/LFNM.2000.854029	Tyurin, V. S.; Machehin, Y. P.; LASER DISTANCE METER MODEL; LFNM 2008: PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON LASER AND FIBER-OPTICAL NETWORK MODELING; 2008 10.1109/LFNM.2008.4670383
			12. Grishchenko LV, Machekhin YP. Development of the equipment for precise measurement of optical radiation power in a spectral range of 1000-1600 nm. In: Proceedings of LFNM 2000: 2nd International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20002000. p. 64-7.Available from: www.scopus.com DOI: 10.1109/LFNM.2000.854042	

			13. Machekhin YP, Tatyanko DN. New precise optical powermeter. In: Proceedings of LFNM 2001 - 3rd International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20012001. p. 159-61. Available from: www.scopus.com DOI: 10.1109/LFNM.2001.930236		
			14. Machekhin YP, Raschektayeva AI. Metrology maintenance optic time-domain reflectometers. In: Proceedings of LFNM 2001 - 3rd International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20012001. p. 202-5. Available from: www.scopus.com DOI: 10.1109/LFNM.2001.930246		
			15. Grishchenko LV, Krasnogorov AJ, Machekhin YP. Trap detectors for power measurements of laser radiation in visible spectral region. In: Proceedings of LFNM 2001 - 3rd International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20012001. p. 150-2. Available from: www.scopus.com DOI: 10.1109/LFNM.2001.930233		
			16. Machekhin YP, Shelekhov AA. Outcomes of researches stabilized He-Ne/I2-lasers, included in state measurement standard of unit of length. In: Proceedings of LFNM 2002 - 4th International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20022002. p. 97-9. Available from: www.scopus.com DOI: 10.1109/LFNM.2002.1014121		
			17. Machekhin YP, Tatyanko DN. Absolute power meters of optical radiation for the state measurement standards of Ukraine. In: Proceedings of LFNM 2002 - 4th International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20022002. p. 327-		

				9. Available from: www.scopus.com DOI: 10.1109/LFNM.2002.1014212		
				18. Kohns P, Machekhin Y. Measurement of polarization and applications. In: Proceedings of LFNM 2002 - 4th International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 2002. p. 188-96. Available from: www.scopus.com DOI: 10.1109/LFNM.2002.1014163		
				19. Grishchenko LV, Krasnogorov AJ, Machekhin YP, Oblichenko AA. Measurements of low intensities laser radiation power on basis of trap detector. In: Proceedings of LFNM 2002 - 4th International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 2002. p. 323-6. Available from: www.scopus.com DOI: 10.1109/LFNM.2002.1014211		
				20. Machekhin YP, Babich VM, Kohns P, Raschektayeva AI. Use of self-calibration of photodiodes in colorimetric measurements. In: Proceedings of LFNM 2002 - 4th International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 2002. p. 203-6. Available from: www.scopus.com DOI: 10.1109/LFNM.2002.1014166		
				21. Machekhin YP, Raschektayeva AI. Measurement assurance of optical attenuators. In: Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL [Internet]; 2003. p. 187-9. Available from: www.scopus.com DOI: 10.1109/CAOL.2003.1251307		

			22. Krasnogorov A, Machekhin Y. System of measurement of optical frequencies of the standard of frequency (length of a wave) national standard of unit of length of Ukraine. In: Proceedings of LFNM 2004 - 6th International Conference on Laser and Fiber-Optical Networks Modeling [Internet]; 20042004. p. 203-6. Available from: www.scopus.com		
			23. Machekhin YP, Tatyanko DN. Program interface of the four-channel colorimeter. In: Proceedings of LFNM 2004 - 6th International Conference on Laser and Fiber-Optical Networks Modeling [Internet]; 20042004. p. 290-3. Available from: www.scopus.com		
			24. Machekhin YP, Babich VM, Raschektayeva AI. Optical design of four - Filter colorimeter. In: Proceedings of LFNM 2004 - 6th International Conference on Laser and Fiber-Optical Networks Modeling [Internet]; 20042004. p. 284-8. Available from: www.scopus.com		
			25. Kohns P, Muravski AA, Machekhin Y, Kankia R, Svirid V, Rudquist P, Lester G. High-precision low-cost colorimeters and spectrophotometers based on liquid crystalline optics. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 20042004. p. 332-7. Available from: www.scopus.com DOI: 10.1117/12.581205		
			26. Machekhin YP. Physical models for analyzing the results of measurements. Meas Tech [Internet]. 2005;48(6):555-61. Available from: www.scopus.com		

			27. Krasnogorov AJ, Machekhin YP. Trap detector - For measure of energy laser radiation. In: Proceedings of CAOL 2005: 2nd International Conference on Advanced Optoelectronics and Lasers [Internet]; 20052005. p. 349. Available from: www.scopus.com DOI: 10.1109/CAOL.2005.1554000		
			28. Machekhin YP, Shelekhov AA. Modernization of radiation sources of optical calibration laboratories of ukrtelecom. In: Proceedings of CAOL 2005: 2nd International Conference on Advanced Optoelectronics and Lasers [Internet]; 20052005. p. 316. Available from: www.scopus.com DOI: 10.1109/CAOL.2005.1553989		
			29. Krasnogorov AJ, Machekhin YP, Tatyanko DN. Complex for absolute power measurements of the optical radiation. In: Proceedings of CAOL 2005: 2nd International Conference on Advanced Optoelectronics and Lasers [Internet]; 20052005. p. 318. Available from: www.scopus.com DOI: 10.1109/CAOL.2005.1553991		
			30. Machekhin YP, Shelekhov AA. Construction of fundamental system of sources of radiation for multiwave laser interferometry. In: 8th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2006 [Internet]; 20062006. p. 231-3. Available from: www.scopus.com DOI: 10.1109/LFNM.2006.252030		
			31. Machekhin Y, Krasnogorov A. Stabilization of femtosecond optical frequency comb at 633 Iodine-stabilized Helium-Neon laser. In: 8th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2006 [Internet]; 20062006. p. 260-2. Available from: www.scopus.com DOI: 10.1109/LFNM.2006.252039		

			32. Machekhin YP, Raschektayeva AI. Method of realization of high-precision measurement of lengths of optical fibre. In: 8th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2006 [Internet]; 20062006. p. 228-30. Available from: www.scopus.com DOI: 10.1109/LFNM.2006.252029		
			33. Krasnogorov AJ, Machekhin YP. Trap detector - for measurement of pulse energy laser radiation. In: 8th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2006 [Internet]; 20062006. p. 257-9. Available from: www.scopus.com DOI: 10.1109/LFNM.2006.252037		
			34. Machekhin YP, Tatyanko DN, Zub SI. Taking into account of spectral characteristics of semiconductor photodiodes at measurement of power in fiber-optic communication lines. In: 8th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2006 [Internet]; 20062006. p. 338-40. Available from: www.scopus.com DOI: 10.1109/LFNM.2006.252058		
			35. Boriskin VN, Ayzatsky MI, Boriskina SV, Machehin YP, Semenov A. Theoretical and experimental study of temperature-dependent spectral properties of multi-layer metal-dielectric nano-film structures. In: Proceedings of 2007 9th International Conference on Transparent Optical Networks, ICTON 2007 [Internet]; 20072007. p. 279-82. Available from: www.scopus.com DOI: 10.1109/ICTON.2007.4296399		
			36. Machekhin YP. Effects of chaotic dynamic-system behavior on measurement uncertainty. Meas Tech [Internet]. 2008;51(1):6-10. Available from: www.scopus.com		

				37. Machekhin Y. Uncertainty measurement and dynamic system chaotical behaviour. In: Proceedings of the 12th IMEKO TC1 Education and Training in Measurement and Instrumentation and TC7 Measurement Science Joint Symposium on "Man, Science and Measurement" 2008 [Internet]; 20082008. p. 133-8. Available from: www.scopus.com		
				38. Machekhin YP, Voznuk EI. Principles of forming DWDM systems on the basis of femtosecond laser radiation. In: KpbMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 293-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676385		
				39. Tyurin VS, Machehin YP. Laser Distance Meter model. In: 2008 International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2008 [Internet]; 20082008. p. 155-7. Available from: www.scopus.com DOI: 10.1109/LFNM.2008.4670383		
				40. MacHekhin YP. Fractal scale for time series of the results of measurements. Meas Tech [Internet]. 2009;52(8):835-40. Available from: www.scopus.com		
				41. MacHekhin YP. Modification of measurement theory. In: Journal of Physics: Conference Series [Internet]; 20102010 Available from: www.scopus.com DOI: 10.1088/1742-6596/238/1/012048		
				42. Danelyan AG, MacHekhin YP. Practical implementation of a new definition of the unit of length. Meas Tech [Internet]. 2010;53(3):257-63. Available from: www.scopus.com		

			43. Kukhtin M, Machekhin Y, Chernyakov E, Nerukh A, Lisetski L, Cocherzhin A. Tuning of resonator by control of nematic liquid crystal properties. In: 2010 12th International Conference on Transparent Optical Networks, ICTON 2010 [Internet]; 2010. Available from: www.scopus.com DOI: 10.1109/ICTON.2010.5548999		
			44. Machekhin YP, Kukhtin SM, Bashchenko SM, Negriiko AM. Principle of remote control over the presence of dissolved gases in water media. Phys Oceanogr [Internet]. 2010;20(4):308-16. Available from: www.scopus.com		
			45. Machekhin YP, Vozniuk EV. Main principles of use of coherent population trapping for modulation and demodulation of multifrequency radiation. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2010. p. 761-2. Available from: www.scopus.com		
			46. Kocherzhin AI, Kukhtin MP, Lisetski LN, Machekhin YP, Nerukh AG, Chernyakov EI. Effects of microwave electric and stationary magnetic fields on electrooptical properties of nematic liquid crystals with carbon nanotubes. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2010. p. 799-800. Available from: www.scopus.com		

			47. Tyurin VS, MacHehin YP, Tyurin SV. Methods of distance errors compensation in dynamically changing conditions. In: Conference Proceedings - 11th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2011 [Internet]; 2011. Available from: www.scopus.com DOI: 10.1109/LFNM.2011.6145047		
			48. Lukin KA, Machekhin YP, Danailow MB, Tatyanko DN. Application of the spectral interferometry method for micro- and nanodistance measurement. Telecommun Radio Eng [Internet]. 2011;70(17):1579-91. Available from: www.scopus.com		
			49. MacHehkin YP. Measurement science development for open systems. In: 20th IMEKO World Congress 2012 [Internet]; 2012. p. 1312-5. Available from: www.scopus.com		
			50. Lukin KA, Machekhin YP, Tatyanko DN, Danailov MB. Metrological maintenance of standard optical frequency grid for WDM telecommunications. Telecommun Radio Eng [Internet]. 2013;72(18):1665-76. Available from: www.scopus.com		
			51. Machekhin YP, Kurskoy YS. Fractal-entropy analysis of the results of measurements in nonlinear dynamical systems. Meas Tech [Internet]. 2014;57(6):609-14. Available from: www.scopus.com		
			52. Gnatenko AS, McHehkin YP. Generation mode stability of a fiber ring laser. Telecommun Radio Eng [Internet]. 2015;74(7):641-7. Available from: www.scopus.com		

				53. Machekhin YP, Merkulow YG. Formation of optical frequency references based upon photonic defect crystals and trapped cold atoms. Telecommun Radio Eng [Internet]. 2015;74(3):231-8. Available from: www.scopus.com		
				54. Tatyanko DN, Machekhin YP, Lukin KA. The influence of optical radiation polarization upon the photocurrent of different trap detector models. Telecommun Radio Eng [Internet]. 2015;74(3):207-19. Available from: www.scopus.com		
				55. Beznosenko IV, Machekhin YP. 1.5 μm wavelength diode-pumped solid-state erbium lasers. Telecommun Radio Eng [Internet]. 2016;75(16):1505-13. Available from: www.scopus.com		
				56. Machekhin YP, Khorolets LS. On the possibility of laser cooling of molecular iodine. Telecommun Radio Eng [Internet]. 2016;75(5):455-61. Available from: www.scopus.com		
				57. Beznosenko IV, Machekhin YP. Compact 1.531 μm wavelength laser ON PbMoO ₄ :ND ₃ ⁺ crystal with SRS-self-conversion and diode pumping. Telecommun Radio Eng [Internet]. 2016;75(3):265-77. Available from: www.scopus.com		
				58. Matviyenko AS, Machekhin YP, Povrozin AI. Interaction of the gravitational field and laser radiation, as basis of absolute gravimeter. In: 4th IAG Symposium on Terrestrial Gravimetry: Static and Mobile Measurements, TG-SMM 2016 - Proceedings [Internet]; 2016. p. 259-64. Available from: www.scopus.com		

				59. Machekhin YP, Beznosenko IV. 1.5 μm solid-state lasers with diode pumping. J Nano Electron Phys [Internet]. 2017;9(3) Available from: www.scopus.com		
				60. MacHekhin YP, Kurskoi YS, Gnatenko AS. Physical and mathematical foundations of measurements in nonlinear dynamic systems. Telecommun Radio Eng [Internet]. 2018;77(18):1631-7. Available from: www.scopus.com		
				61. Kurskoy YS, Machekhin YP, Gnatenko AS. Entropy evaluation of the laser cooling process. J Nano Electron Phys [Internet]. 2018;10(5) Available from: www.scopus.com		
				62. Machekhin YP, Kurskoy YS, Gnatenko AS. Laser anemometry method for particle velocity measurement in the bose-einstein condensate. Telecommun Radio Eng [Internet]. 2018;77(17):1555-63. Available from: www.scopus.com		
				63. Machekhin YP, Gnatenko AS, Kurskoy YS. Photonic crystal nanolasers as optical frequency standards. Telecommun Radio Eng [Internet]. 2018;77(13):1169-77. Available from: www.scopus.com		
				64. Machekhin YP, Kurskoy YS, Gnatenko AS, Tkachenko VA. Nanolaser superradiation in information and measuring procedures. Telecommun Radio Eng [Internet]. 2018;77(13):1179-86. Available from: www.scopus.com		
				65. Gnatenko AS, Machekhin YP, Kurskoy YS, Obozna VP. Providing mode locking in fiber ring lasers. J Nano Electron Phys [Internet]. 2018;10(2) Available from: www.scopus.com		

				66. Gnatenko AS, Machekhin YP, Kurskoy YS, Obozna VP, Vasianovych AV. Ring fiber lasers for telecommunication systems. Telecommun Radio Eng [Internet]. 2018;77(6):541-8. Available from: www.scopus.com		
				67. Tsurimaki Y, Tong JK, Boriskin VN, Semenov A, Ayzatsky MI, MacHekhin YP, Chen G, Boriskina SV. Topological engineering of interfacial optical tamm states for highly sensitive near-singular-phase optical detection. ACS Photonics [Internet]. 2018;5(3):929-38. Available from: www.scopus.com		
IK	IKI	ЛЕМЕШКО ОЛЕКСАНДР ВІТАЛІЙОВИ Ч	63	1. Popovsky V, Lemeshko A. Multitensor model of the telecommunication network. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 323-5. Available from: www.scopus.com	34	Lemeshko, Oleksandr V.; Yeremenko, Oleksandra S.; Tariki, Nadia; Hailan, Ahmad M.; Fault-Tolerance Improvement for Core and Edge of IP Network; 2016 XITH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT); 2016
				2. Lemeshko O, Drobot O. A mathematical model of multipath QoS-based routing in multiservice networks. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 72-4. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404448		Lemeshko, Oleksandr; Yeremenko, Oleksandra; Dynamic Presentation of Tensor Model for Multipath QoS-Routing; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
				3. Lemeshko AV. Probabilistic-temporal model of QOS-routing with precomputation of routes under the terms of non-ideal reliability of telecommunication network. Telecommun Radio Eng [Internet]. 2007;66(13):1151-66. Available from: www.scopus.com		Lemeshko, Oleksandr V.; Yeremenko, Oleksandra S.; Dynamics Analysis of Multipath QoS-Routing Tensor Model with Support of Different Flows Classes; 2016 INTERNATIONAL CONFERENCE ON SMART SYSTEMS AND TECHNOLOGIES

					(SST); 2016
				4. Lemeshko OV, Starkova OV, Merkulov MV. Analysis of bifurcational properties of the mechanism RED. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 2008. p. 513-4. Available from: www.scopus.com	Lemeshko, Olexandr; Nevzorova, Olena; Hailan, Ahmad; The Increasing Convergence of Coordination Procedure in The Implementation of Multipath Hierarchical Routing; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
				5. Lemeshko O, Hailan AM, Ali AS. A flow-based model of two-level routing in multiservice network. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 2010. p. 225. Available from: www.scopus.com	Lemeshko, Olexandr; Romanyuk, Alla; Kozlova, Helen; Design Schemes for MPLS Fast ReRoute; 2013 12TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013); 2013
				6. Lemeshko OV, Hailan AM, Starkova OV. Multi-level traffic management in the MPLS-TE DiffServ network. In: 2011 11th International Conference - The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2011 [Internet]; 2011. p. 118-20. Available from: www.scopus.com	Lemeshko, Olexandr; Vavenko, Tatiana; Ovchinnikov, Konstantin; Design of Multipath routing Scheme with Load Balancing in MPLS-network; 2013 12TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013); 2013
				7. Lemeshko OV, Ali AS, Starkova OV. A flow-based model of dynamic queue balancing in the MPLS-network with Traffic Engineering Queues support. In: 2011 11th International Conference - The Experience of	Lemeshko, Olexandr; Arous, Kinan; Tariki, Nadia; Effective Solution for Scalability and Productivity Improvement in Fault-Tolerant Routing; 2015 SECOND INTERNATIONAL

			Designing and Application of CAD Systems in Microelectronics, CADSM 2011 [Internet]; 20112011. p. 116-7. Available from: www.scopus.com	SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
			8. Lemeshko A, Garkusha S, Abed AH. Two-index mathematical model of channels distribution in multichannel mesh networks 802.11. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 279-80. Available from: www.scopus.com	Lemeshko, Olexandr; Semenyaka, Maxim; Simonenko, Olexandr; Researching and Designing of the Dynamic Adaptive Queue Balancing Method on Telecommunication Network Routers; 2013 12TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013); 2013
			9. Lemeshko OV, Ali AS, Semenyaka MV. Results of the dynamic flow-based queue balancing model research. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 318-9. Available from: www.scopus.com	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Nevzorova, Olena; HIERARCHICAL METHOD OF INTER-AREA FAST REROUTING; TRANSPORT AND TELECOMMUNICATION JOURNAL; 2017 18 10.1515/ttj-2017-0015
			10. Lemeshko A, Hailan AM, Yevsyeyeva O. Mathematical model and method of routing with resources reservation in IP/IntServ network. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 325. Available from: www.scopus.com	Yeremenko, Oleksandra S.; Lemeshko, Oleksandr V.; Tariki, Nadia; Fast ReRoute Scalable Solution with Protection Schemes of Network Elements; 2017 IEEE FIRST UKRAINE CONFERENCE ON ELECTRICAL AND COMPUTER ENGINEERING (UKRCON); 2017
			11. Lemeshko AV, Garkusha SV, Abed AH. Design and analysis of two-index model of frequency channels distribution in a multichannel mesh-network of IEEE 802.11. In: CriMiCo 2012 - 2012 22nd International	Yeremenko, Oleksandra S.; Lemeshko, Oleksandr V.; Nevzorova, Olena S.; Hailan, Ahmad M.; Method of Hierarchical QoS Routing Based on Network Resource

			Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 273-4.Available from: www.scopus.com	Reservation; 2017 IEEE FIRST UKRAINE CONFERENCE ON ELECTRICAL AND COMPUTER ENGINEERING (UKRCON); 2017
			12. Lemeshko AV, Garkusha SV. Model time-frequency resource allocation WiMAX aimed at improving the electromagnetic compatibility. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 20132013. p. 175-7.Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650716	Lemeshko, Oleksandr; Nevzorova, Olena; Hailan, Ahmad M.; Research of Hierarchical Coordination Method of Inter-Area Routing in Telecommunication Network; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
			13. Lemeshko OV, Yevseyeva O. OY, Garkusha SV. A tensor model of multipath routing based on multiple QoS metrics. In: 2013 International Siberian Conference on Control and Communications, SIBCON 2013 - Proceedings [Internet]; 20132013Available from: www.scopus.com DOI: 10.1109/SIBCON.2013.6693645	Lemeshko, Olexandr; Kinan, Arus; Wahhab, Mohammed A. Jabbar A.; Multicast Fast Re-Route Schemes for Multiflow Case; PROCEEDINGS OF XIIIITH INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015
			14. Lemeshko O, Sterin V. Design and structural-functional optimization transport telecommunication network. In: 2013 12th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2013 [Internet]; 20132013. p. 208-10.Available from: www.scopus.com	Lemeshko, Olexandr; Sterin, Vyacheslav; Design and Structural-Functional Optimization Transport Telecommunication Network; 2013 12TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013); 2013
			15. Lemeshko O, Yevsyeyeva O, Garkusha S. QoS ensuring scheme for telecommunication networks with tail drop and RED mechanisms. In: 2013 12th International Conference: The Experience of Designing	Lemeshko, Olexandr; Drobot, Olga; A mathematical model of multipath QoS-based routing in multiservice networks; TCSET 2006: MODERN PROBLEMS OF RADIO

				and Application of CAD Systems in Microelectronics, CADSM 2013 [Internet]; 20132013. p. 214-6.Available from: www.scopus.com	ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006
				16. Lemeshko O, Semenyaka M, Simonenko O. Researching and designing of the dynamic adaptive queue balancing method on telecommunication network routers. In: 2013 12th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2013 [Internet]; 20132013. p. 204-7.Available from: www.scopus.com	Lemeshko, Olexandr; Arous, Kinan; Fast ReRoute Model for Different Backup Schemes in MPLS-Network; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
				17. Lemeshko O, Vavenko T, Ovchinnikov K. Design of multipath routing scheme with load balancing in MPLS-network. In: 2013 12th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2013 [Internet]; 20132013. p. 211-3.Available from: www.scopus.com	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Yevdokymenko, Maryna; Tensor Model of Fault-Tolerant QoS Routing with Support of Bandwidth and Delay Protection; 2018 IEEE 13TH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE ON COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT), VOL 1; 2018
				18. Lemeshko O, Romanyuk A, Kozlova H. Design schemes for MPLS fast ReRoute. In: 2013 12th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2013 [Internet]; 20132013. p. 202-3.Available from: www.scopus.com	Lemeshko, Oleksandr; Al-Dulaimi, Aymen M. K.; Yeremenko, Oleksandra; Yevdokymenko, Maryna; Comparative Analysis of Solutions for Management of Time-Frequency Resource in LTE Downlink; PROCEEDINGS OF THE 2018 IEEE 4TH INTERNATIONAL SYMPOSIUM ON WIRELESS SYSTEMS WITHIN THE INTERNATIONAL CONFERENCES ON INTELLIGENT DATA ACQUISITION AND ADVANCED COMPUTING SYSTEMS (IDAACS-SWS); 2018

			19. Olexandr L, Sergiy G. Slot allocation model and data burst scheduling in downlink WiMAX technology. In: 2013 IEEE 33rd International Scientific Conference Electronics and Nanotechnology, ELNANO 2013 - Conference Proceedings [Internet]; 20132013. p. 455-9. Available from: www.scopus.com DOI: 10.1109/ELNANO.2013.6552064	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Enhanced method of fast re-routing with load balancing in software-defined networks; JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS; 2017 68 10.1515/jee-2017-0079
			20. Lemeshko AV, Semenyaka MV. Researching of mathematical models based on optimal control approaches for congestion control in telecommunication network. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 20132013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673211	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Nevzorova, Olena; Vavenko, Tetiana; Three-level Method of Hierarchical Coordination Routing in Multi-Area Network; 2017 SECOND INTERNATIONAL CONFERENCE ON INFORMATION AND TELECOMMUNICATION TECHNOLOGIES AND RADIO ELECTRONICS (UKRMICO); 2017
			21. Lemeshko OV, Sterin VL. Structural and functional optimization of transport telecommunication network. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 490-1. Available from: www.scopus.com	Yeremenko, Oleksandra; Lemeshko, Oleksandr; Tariki, Nadia; Hailan, Ahmad M.; Research of Optimization model of Fault-Tolerant Routing with Bilinear Path Protection Criterion; 2017 2ND IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION AND COMMUNICATION TECHNOLOGIES-2017 (AICT 2017); 2017
			22. Lemeshko OV, Arous KM. The flow-based model of multicast routing. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 523-4. Available from: www.scopus.com	Lemeshko, Oleksandr; Ilyashenko, Andriy; Nevzorova, Olena; Mal-allah, Ahmed Mhamcd; Method of Segment Hierarchical Coordination Routing in Multi-Area Network; 2017 2ND IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION AND COMMUNICATION TECHNOLOGIES-2017 (AICT 2017); 2017

			23. Lemeshko AV, Vavenko TV, Goriunov AA. Design of model of load-balancing routing for software defined networks. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 511-2.Available from: www.scopus.com	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Hailan, Ahmad M.; Two-level Method of Fast ReRouting in Software-Defined Networks; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
			24. Lemeshko OV, Kozlova HV, Romanyuk AA. Flow-based model of fault-tolerant routing in MPLS-network. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 509-10.Available from: www.scopus.com	Yeremenko, Oleksandra; Lemeshko, Oleksandr; Persikov, Anatoliy; Enhanced Method of Calculating the Probability of Message Compromising Using Overlapping Routes in Communication Network; PROCEEDINGS OF THE 2017 12TH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE ON COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT 2017), VOL. 1; 2017
			25. Garkusha S, Andrushko Y, Lemeshko O. Analysis results of WIMAX dowlink traffic management model in congestion conditions. In: Proceedings of World Telecommunications Congress 2014, WTC 2014 [Internet]; 20142014Available from: www.scopus.com	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Tariki, Nadia; Solution for the Default Gateway Protection within Fault-Tolerant Routing in an IP Network; INTERNATIONAL JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING SYSTEMS; 2017 8 10.32985/ijeces.8.1.3
			26. Lemeshko AV, Evseeva OY, Garkusha SV. Research on tensor model of multipath routing in telecommunication network with support of service quality by greate number of indices. Telecommun Radio Eng [Internet]. 2014;73(15):1339-60. Available from:	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Hailan, Ahmad M.; Design of QoS-Routing Scheme under the Timely Delivery Constraint; 2017 14TH INTERNATIONAL CONFERENCE: THE

			www.scopus.com	EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM); 2017
			27. Lemeshko O, Semenyaka M. Research of queue management model that includes congestion avoidance mechanism. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 42-4. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992293	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Routing Tensor Model Presented in the Basis of Interpolar Paths and Internal Node Pairs; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
			28. Lemeshko O, Arous K. Fast ReRoute model for different backup schemes in MPLS-network. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 39-41. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992292	Lemeshko, Oleksandr V.; Yeremenko, Oleksandra S.; Hailan, Ahmad M.; Investigation of Multipath QoS-Routing Dynamic Tensor Model; 2016 INTERNATIONAL CONFERENCE ON ELECTRONICS AND INFORMATION TECHNOLOGY (EIT); 2016
			29. Lemeshko O, Nevzorova O, Hailan A. The increasing convergence of coordination procedure in the implementation of multipath hierarchical routing. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 45-8. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992294	Lemeshko, Oleksandr V.; Yeremenko, Oleksandra S.; Hailan, Ahmad M.; QoS Solution of Traffic Management Based on the Dynamic Tensor Model in the Coordinate System of Interpolar Paths and Internal Node Pairs; 2016 International Conference Radio Electronics & Info Communications (UkrMiCo); 2016

			30. Lemeshko AV, Al-Janabi HD, Al-Dulaimi AMK. Model progress of subchannel distribution in WiMAX antenna system. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 20152015Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136855	Lemeshko, Olexandr; Ali, Ali Salem; Simonenko, Olexandr; A Queue Management Model On Router of Active Network; PROCEEDINGS OF XIIIITH INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015
			31. Lemeshko OV, Garkusha SV, Yeremenko OS, Hailan AM. Policy-based QoS management model for multiservice networks. In: 2015 International Siberian Conference on Control and Communications, SIBCON 2015 - Proceedings [Internet]; 20152015Available from: www.scopus.com DOI: 10.1109/SIBCON.2015.7147124	Lemeshko, Olexandr V.; Garkusha, Sergey V.; Yeremenko, Oleksandra S.; Hailan, Ahmad M.; Policy-based QoS Management Model for Multiservice Networks; 2015 INTERNATIONAL SIBERIAN CONFERENCE ON CONTROL AND COMMUNICATIONS (SIBCON); 2015
			32. Lemeshko O, Ali AS, Simonenko O. A queue management model on router of active network. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 419-21.Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230891	Lemeshko, Olexandr; Semenyaka, Maxim; Research of Queue Management Model That Includes Congestion Avoidance Mechanism; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
			33. Lemeshko O, Kinan A, Wahhab MAJA. Multicast fast re-route schemes for multiflow case. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 422-4.Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230892	Lemeshko, Olexandr V.; Yevseyeva O, Oksana Yu.; Garkusha, Sergey V.; A Tensor Model of Multipath Routing Based on Multiple QoS Metrics; 2013 INTERNATIONAL SIBERIAN CONFERENCE ON CONTROL AND COMMUNICATIONS (SIBCON); 2013

			<p>34. Lemeshko O, Arous K, Tariki N. Effective solution for scalability and productivity improvement in fault-tolerant routing. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 2015. p. 76-8. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357274</p>		<p>Lemeshko, Olexandr; Yevsyeyeva, Oksana; Garkusha, Sergey; QoS Ensuring Scheme for Telecommunication Networks with Tail Drop and RED Mechanisms; 2013 12TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013); 2013</p>
			<p>35. Lemeshko O, Yeremenko O. Dynamic presentation of tensor model for multipath QoS-routing. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 2016. p. 601-4. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452128</p>		
			<p>36. Lemeshko OV, Yeremenko OS, Hailan AM. Investigation of multipath QoS-routing dynamic tensor model. In: 2016 International Conference on Electronics and Information Technology, EIT 2016 - Conference Proceedings [Internet]; 2016. Available from: www.scopus.com DOI: 10.1109/ICEAIT.2016.7500992</p>		
			<p>37. Lemeshko OV, Yeremenko OS, Tariki N, Hailan AM. Fault-tolerance improvement for core and edge of IP network. In: Computer Sciences and Information Technologies - Proceedings of the 11th International Scientific and Technical Conference, CSIT 2016 [Internet]; 2016. p. 161-4. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2016.7589895</p>		

			38. Lemeshko OV, Yeremenko OS, Hailan AM. QoS solution of traffic management based on the dynamic tensor model in the coordinate system of interpolator paths and internal node pairs. In: 2016 IEEE International Scientific Conference "Radio Electronics and Info Communications", UkrMiCo 2016 - Conference Proceedings [Internet]; 2016. Available from: www.scopus.com DOI: 10.1109/UkrMiCo.2016.7739625		
			39. Oleksandr L, Olena N, Tetiana V. Hierarchical coordination method of inter-area routing in telecommunication network. In: 2016 IEEE International Scientific Conference "Radio Electronics and Info Communications", UkrMiCo 2016 - Conference Proceedings [Internet]; 2016. Available from: www.scopus.com DOI: 10.1109/UkrMiCo.2016.7739626		
			40. Lemeshko OV, Yeremenko OS. Dynamics analysis of multipath QoS-routing tensor model with support of different flows classes. In: Proceedings of 2016 International Conference on Smart Systems and Technologies, SST 2016 [Internet]; 2016. p. 225-30. Available from: www.scopus.com DOI: 10.1109/SST.2016.7765664		
			41. Lemeshko OV, Yeremenko OS, Tariki N. Improvement of flow-oriented fast reroute model based on scalable protection solutions for telecommunication network elements. Telecommun Radio Eng [Internet]. 2017;76(6):477-90. Available from: www.scopus.com		

			42. Lemeshko O, Yeremenko O, Tariki N. Solution for the default gateway protection within fault-tolerant routing in an IP network. Int J Electr Comput Eng [Internet]. 2017;8(1):19-26. Available from: www.scopus.com		
			43. Lemeshko O, Yeremenko O. Routing tensor model presented in the basis of interpolator paths and internal node pairs. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 2017:2017. p. 201-4. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905381		
			44. Lemeshko O, Nevzorova O, Hailan AM. Research of hierarchical coordination method of inter-area routing in telecommunication network. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 2017:2017. p. 135-8. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905359		
			45. Lemeshko O, Yeremenko O, Hailan AM. Design of QoS-routing scheme under the timely delivery constraint. In: 2017 14th International Conference The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 2017:2017. p. 97-9. Available from: www.scopus.com DOI: 10.1109/CADSM.2017.7916094		

			46. Lemeshko O, Yeremenko O, Nevzorova O. Hierarchical method of inter-area fast rerouting. Transp Telecommun [Internet]. 2017;18(2):155-67. Available from: www.scopus.com		
			47. Lemeshko O, Ilyashenko A, Nevzorova O, Mal-Allah AM. Method of segment hierarchical coordination routing in multi-area network. In: 2nd International Conference on Advanced Information and Communication Technologies, AICT 2017 - Proceedings [Internet]; 2017:2017. p. 262-5. Available from: www.scopus.com DOI: 10.1109/AIACT.2017.8020115		
			48. Yeremenko O, Lemeshko O, Tariki N, Hailan AM. Research of optimization model of fault-tolerant routing with bilinear path protection criterion. In: 2nd International Conference on Advanced Information and Communication Technologies, AICT 2017 - Proceedings [Internet]; 2017:2017. p. 219-22. Available from: www.scopus.com DOI: 10.1109/AIACT.2017.8020105		
			49. Lemeshko O, Yeremenko O. Enhanced method of fast re-routing with load balancing in software-defined networks. J Electr Eng [Internet]. 2017;68(6):444-54. Available from: www.scopus.com		
			50. Lemeshko O, Yeremenko O, Nevzorova O, Vavenko T. Three-level method of hierarchical coordination routing in multi-Area network. In: 2nd International Conference on Information and Telecommunication Technologies and Radio Electronics, UkrMiCo 2017 - Proceedings [Internet]; 2017:2017 Available from: www.scopus.com DOI: 10.1109/UkrMiCo.2017.8095410		

			51. Yeremenko OS, Lemeshko OV, Tariki N. Fast ReRoute scalable solution with protection schemes of network elements. In: 2017 IEEE 1st Ukraine Conference on Electrical and Computer Engineering, UKRCON 2017 - Proceedings [Internet]; 20172017. p. 783-8. Available from: www.scopus.com DOI: 10.1109/UKRCON.2017.8100353		
			52. Yeremenko O, Lemeshko O, Persikov A. Enhanced method of calculating the probability of message compromising using overlapping routes in communication network. In: Proceedings of the 12th International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2017 [Internet]; 20172017. p. 87-90. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2017.8098743		
			53. Yeremenko OS, Lemeshko OV, Nevzorova OS, Hailan AM. Method of hierarchical QoS routing based on network resource reservation. In: 2017 IEEE 1st Ukraine Conference on Electrical and Computer Engineering, UKRCON 2017 - Proceedings [Internet]; 20172017. p. 971-6. Available from: www.scopus.com DOI: 10.1109/UKRCON.2017.8100393		
			54. Lemeshko O, Yevdokymenko M, Alsaleem NYA. Development of the tensor model of multipath QoE-routing in an infocommunication network with providing the required quality rating. East -Eur J Enterp Technol [Internet]. 2018;5(2):40-6. Available from: www.scopus.com		

			55. Yeremenko O, Lemeshko O, Persikov A. Secure routing in reliable networks: Proactive and reactive approach; 2018. 631 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-70581-1_44		
			56. Lemeshko O, Yeremenko O, Hailan AM. Two-level method of fast ReRouting in software-defined networks. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 376-9. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246420		
			57. Lemeshko O, Yeremenko O. Linear optimization model of MPLS Traffic engineering fast ReRoute for link, node, and bandwidth protection. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 1009-13. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336365		
			58. Lemeshko O, Nevzorova O, Hailan AM. Hierarchical method of routing and resource allocation in DiffServ-TE network. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 1014-8. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336366		
			59. Lemeshko O, Yevsieieva O, Yevdokymenko M. Tensor flow-based model of quality of experience routing. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and		

				Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 1005-8. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336364		
				60. Lemeshko O, Al-Dulaimi AMK, Yeremenko O, Yevdokymenko M. Comparative analysis of solutions for management of time-frequency resource in LTE Downlink. In: Proceedings of the 2018 IEEE 4th International Symposium on Wireless Systems within the International Conferences on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS-SWS 2018 [Internet]; 20182018. p. 108-11. Available from: www.scopus.com DOI: 10.1109/IDAACS-SWS.2018.8525626		
				61. Lemeshko O, Yeremenko O, Yevdokymenko M. Tensor model of fault-tolerant QoS routing with support of bandwidth and delay protection. In: 2018 IEEE 13th International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2018 - Proceedings [Internet]; 20182018. p. 135-8. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2018.8526707		
				62. Yeremenko O, Lemeshko O. QoS ensuring over probability of timely delivery in multipath routing; 2019. 244 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-91008-6_25		
				63. Lemeshko O, Lebedenko T, Yeremenko O, Simonenko O. Mathematical model of queue management with flows aggregation and bandwidth allocation; 2019. 165 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-91008-6_17		

ЕЛБИ	ФОЕТ	ЧУРЮМОВ ГЕННАДІЙ ІВАНОВИЧ	61	1. Churyumov GI. Analysis of gain cutoff in an amplatron. Sov J Commun Technol Electron [Internet]. 1988;33(8):128-31. Available from: www.scopus.com	38	Volkolupov, YY; Dovbnaya, AN; Zakutin, VV; Krasnogolovets, MA; Reshetnyak, NG; Mitrochenko, VV; Romas'ko, VP; Churyumov, GI; Electron beam generation in a magnetron diode with metal secondary-emission cathode; TECHNICAL PHYSICS; 2001 46 10.1134/1.1349282
				2. Vasyanovich AV, Churyumov GI. Influence of amplatron operating mode on harmonic levels. Izv VUZ Radioelektron [Internet]. 1991;34(10):81-3. Available from: www.scopus.com		Maksymov, Ivan S.; Magda, Igor I.; Ustyantsev, Mykhaylo A.; Churyumov, Gennadiy I.; Approach to Spectral Measurements of a Millimeter-Wave-Band Relativistic Magnetron; IEEE TRANSACTIONS ON PLASMA SCIENCE; 2010 38 10.1109/TPS.2010.2044422
				3. Churyumov GI. Electron-cloud instability in a below-critical magnetron diode. J Commun Technol Electron [Internet]. 1996;41(14):1252-5. Available from: www.scopus.com		Churyumov, GI; Sergeev, GI; Simulation and modeling of self-modulated re-entrant beam crossed-field amplifier; IEEE TRANSACTIONS ON ELECTRON DEVICES; 1999 46 10.1109/16.760417
				4. Churyumov GI, Sergeev GI. Study of the combined M-type amplifier. Izv VUZ Radioelektron [Internet]. 1996;39(11):41-7. Available from: www.scopus.com		Perova, Iryna; Pliss, Iryna; Churyumov, Gennadiy; Eze, Franklin M.; Mahmoud, Samer Mohamed Kanaan; Neo-Fuzzy Approach for Medical Diagnostics Tasks in Online-Mode; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
				5. Churyumov GI. Electron-cloud instability in a below-critical magnetron diode. Radiotekh Elektron [Internet]. 1996;41(11):1348-52. Available from: www.scopus.com		Scherbatko, I.; Churyumov, G.; Ustyantsev, M.; Maksymov, I.; A COMPARISON BETWEEN THE FDTD CONVOLUTIONAL PML AND RE-RADIATING BOUNDARY CONDITIONS FOR SIMPLE 3D TEST

					PROBLEM; 2008 INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY; 2008 10.1109/MMET.2008.4581007
				6. Churyumov GI. Peculiarities of secondary electron emission in magnetron amplifiers with the cold cathode. Izv VUZ Radioelektron [Internet]. 1997(7):77-80. Available from: www.scopus.com	Churyumov, G., I; Gritsunov, A., V; Frolova, T., I; Starchevskiy, Yu; Basrawi, K. M.; Ekezli, A., I; Perevertaylo, R. A.; Theoretical and experimental investigation of frequency tuning and lock modes of magnetrons; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006
				7. Ereemeev DB, Churyumov GI, Aizatsky NI, Dovbnaya AN, Zakutin VV, Reshetniak NG. Simulation of an inverted cold secondary emission magnetron gun. In: 3rd International Kharkov Symposium "Physics and Engineering of Millimeter and Submillimeter Waves", MSMW 1998 - Symposium Proceedings [Internet]; 1998; p. 236-8. Available from: www.scopus.com DOI: 10.1109/MSMW.1998.758966	Churyumov, GI; Characteristics of secondary electron emission in magnetron amplifiers with cold cathodes; IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII RADIOELEKTRONIKA; 1997 40
				8. Churyumov GI, Gerasimov VP, Gritsunov AV, Zakorin VA. Prospects of applying a computational experiment to the concept and the use of crossed-field devices. Telecommun Radio Eng [Internet]. 1998;52(12):39-48. Available from: www.scopus.com	Serkov, A.; Breslavets, V.; Tolkachov, M.; Churyumov, G.; The Wideband Pulsed Antenna and its Application; 2018 9TH INTERNATIONAL CONFERENCE ON ULTRAWIDEBAND AND ULTRASHORT IMPULSE SIGNALS (UWBUSIS); 2018

			9. Frolova TI, Churyumov GI. 3D mathematical model of nontraditional magnetron. In: 1999 9th International Crimean Microwave Conference: Microwave and Telecommunication Technology, CriMiCo 1999 - Conference Proceedings [Internet]; 1999. p. 100-1. Available from: www.scopus.com DOI: 10.1109/CRMICO.1999.815159	Churyumov, Gennadiy; Tokarev, Vladimir; Tkachov, Vitalii; Partyka, Stanislav; Scenario of Interaction of the Mobile Technical Objects in the Process of Transmission of Data Streams in Conditions of Impacting the Powerful Electromagnetic Field; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
			10. Churyumov GI, Sergeev GI. Simulation and modeling of self-modulated re-entrant beam crossed-field amplifier. IEEE Trans Electron Devices [Internet]. 1999;46(5):1063-9. Available from: www.scopus.com	Neyezhnikov, P.; Kupko, A.; Tereshchenko, V.; Churyumov, G.; Metrological Guarantee of Flashing Light Measurements; JOURNAL OF NANO- AND ELECTRONIC PHYSICS; 2017 9 10.21272/jnep.9(1).01013
			11. Frolova TI, Churyumov GI. Simulation of a non-linear interaction in the combined magnetron. Int Conf Math methods Electromagn Theory, MMET [Internet]. 2000;1:358-60. Available from: www.scopus.com	Aizatsky, Nicolay I.; Churyumov, Gennadiy I.; Dovbnya, Anatoliy N.; Zakutin, Valeriy V.; Reshetnyak, Nikolay G.; Starchevskiy, Yuriy L.; Generation and Formation of Axially Symmetrical Tubular Electron Beam in a Cold Metal Secondary-Emission Cathode Magnetron Gun-Part I: Experiment; IEEE TRANSACTIONS ON ELECTRON DEVICES; 2016 63 10.1109/TED.2016.2519453
			12. Ustyantsev MA, Antonova VA, Churyumov GI. One-dimensional optimization of silicon solar cells. In: International Conference on Mathematical Methods in Electromagnetic Theory, MMET [Internet]; 2000. p. 355-7. Available from: www.scopus.com DOI: 10.1109/MMET.2000.888611	Aizatsky, Nikolay I.; Churyumov, Gennadiy I.; Dovbnya, Anatoliy N.; Zakutin, Valeriy V.; Reshetnyak, Nikolay G.; Starchevskiy, Yuriy L.; Generation and Formation of Axially Symmetrical Tubular Electron Beam in a Cold Metal Secondary-Emission Cathode Magnetron Gun-Part II: Computer Modeling; IEEE TRANSACTIONS ON ELECTRON

					DEVICES; 2016 63 10.1109/TED.2016.2523342
				13. Churyumov GI, Frolova TI, Gritsunov AV, Terhin SN. Advanced design of re-entrant beam distributed-emission crossed-field tubes. In: 13th International Conference on Microwaves, Radar and Wireless Communications, MIKON 2000 [Internet]; 20002000. p. 573-6. Available from: www.scopus.com DOI: 10.1109/MIKON.2000.913998	Churyumov, Gennadiy; The Qualitative Theory of Electron Beam Formation in a Surface Wave Magnetron; 2016 9TH INTERNATIONAL KHARKIV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES (MSMW); 2016
				14. Volkolupov YY, Dovbnaya AN, Zakutin VV, Krasnogolovets MA, Reshetnyak NG, Mitrochenko VV, Romas'ko VP, Churyumov GI. Electron beam generation in a magnetron diode with metal secondary-emission cathode. Tech Phys [Internet]. 2001;46(2):227-33. Available from: www.scopus.com	Churyumov, Gennadiy; The Theoretical and Experimental Investigation of Anode Block Electrodynamics Characteristics of the Magnetron with Two RF Output; 2016 International Conference Radio Electronics & Info Communications (UkrMiCo); 2016
				15. Maksymov IS, Churyumov GI. Modelling of light passing in photon crystals. In: CriMiCo 2002 - 12th International Conference "Microwave and Telecommunication Technology", Conference Proceedings [Internet]; 20022002. p. 435-6. Available from: www.scopus.com DOI: 10.1109/CRMICO.2002.1137304	Churyumov, Gennadiy; Gerasimov, Vladimir; Frolova, Tetyana; Gritsunov, Alexander; Ekezli, Andrey; The Advanced Designs of Magnetrons with Improvement Output Characteristics; 2016 IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE (IVEC); 2016
				16. Maksymov IS, Churyumov GI. 2D computer modeling of waveguiding in 2D photonic crystals. In: Proceedings of LFNM 2002 - 4th International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20022002. p. 181-4. Available from: www.scopus.com DOI: 10.1109/LFNM.2002.1014160	Churyumov, Gennadiy; Ekezli, Andrey; The Anomalous Increasing of the Anode Current in the Diode Structures; 2016 IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE (IVEC); 2016

			17. Maksymov IS, Churyumov GI. Photonic Green's functions calculation by using FDTD method. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20022002. p. 201-3. Available from: www.scopus.com DOI: 10.1109/MMET.2002.1106861	Churyumov, Gennadiy; Frolova, Tetyana; Gritsunov, Aleksandr; The State-of-the-Art of Computer Modeling and Design of the Vacuum Microwave Devices; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
			18. Starostenko VV, Malishevskii SV, Taran EP, Churyumov GI. Near field zone of an integrated circuit exposed to an electromagnetic wave in a waveguide. Tech Phys Lett [Internet]. 2003;29(1):29-31. Available from: www.scopus.com	Frolova, Tetyana; Churyumov, Gennadiy; A Non-Resonant Method of Excitation of the Electrodeless Lamp; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
			19. Churyumov GI, Frolova TI, Gritsunov AV, Nikitenko OM, Zinkovski VN. The influence of residual atmosphere in magnetron to its output parameters. In: 4th IEEE International Vacuum Electronics Conference, IVEC 2003 - Proceedings [Internet]; 20032003. p. 285. Available from: www.scopus.com DOI: 10.1109/IVEC.2003.1286319	Frolova, T., I; Churyumov, G., I; COMPUTER MODELING OF THE GAS DISCHARGE IN THE ELECTRODELESS LAMP; PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY; 2015
			20. Kopot MA, Nikitenko AN, Churyumov GI. Investigations into the dispersion characteristics of the electrodynamic systems with resonators of complex shape. Telecommun Radio Eng [Internet]. 2003;60(1-2):75-80. Available from: www.scopus.com	Churyumov, G., I; Basrawi, K. M.; Ekezli, A., I; Sivokon', K., V; Improving of frequency characteristics of K-range magnetrons; 2008 IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE; 2008
			21. Buts AV, Churyumov GI. Peculiarities of charged particles dynamics in beam amplifiers and generators. Electromagn Volny Elektron Syst [Internet]. 2005;10(9):55-60. Available from: www.scopus.com	Churyumov, Gennadiy I.; Starchevskiy, Yuriy L.; Effect of electrodes curvature of a cold cathode crossed-field gun on process of secondary-emission multiplication; 2008 IEEE INTERNATIONAL VACUUM

					ELECTRONICS CONFERENCE; 2008
				22. Churyumov GI, Frolova TI, Basrawi KM. The two-stage magnetron for radar applications. In: 2nd Microwave and Radar Week in Poland - International Radar Symposium, IRS 2006, Proceedings [Internet]; 20062006 Available from: www.scopus.com DOI: 10.1109/IRS.2006.4338148	Churyumov, G. I.; Starchevskiy, Yu. L.; Frolova, T. I.; Basrawi, K. M.; Ekezli, A. I.; Sivokon, K. V.; Influence of thermal mode of oxide-coated cathode on magnetron frequency characteristics; KPBIMUKO 2007CRIMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368683
				23. Churyumov GI, Frolova TI, Basrawi KM. Simulation of lock mode in two-stage magnetron. In: 2006 IEEE International Vacuum Electronics Conference held jointly with 2006 IEEE International Vacuum Electron Sources, IVEC/IVESC 2006 [Internet]; 20062006. p. 243-4. Available from: www.scopus.com	Ustyantsev, M. A.; Churyumov, G. I.; Influence of dielectric constant of background on optical properties of metallodielectric photonic crystals; KPBIMUKO 2007CRIMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368868
				24. Lukin K, Churyumov G, Starchevskiy Y. Generation of electromagnetic oscillations by electron beam in open resonator: 3D modeling. In: 2006 IEEE International Vacuum Electronics Conference held jointly with 2006 IEEE International Vacuum Electron Sources, IVEC/IVESC 2006 [Internet]; 20062006. p. 321-2. Available from: www.scopus.com	Ustyantsev, M. A.; Churyumov, G. I.; FDTD study of defect modes in two-dimensional silver metallo-dielectric photonic crystal; SIXTH INT KHARKOV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES/WORKSHOP

					ON TERAHERTZ TECHNOLOGIES, VOLS 1 AND 2; 2007 10.1109/MSMW.2007.4294625
				25. Akhramovich LN, Zuev SA, Starostenko VV, Tereschenko VY, Churyumov GI, Borisov AA, Petrov AM. Influences of the silicon Schottki FET active area irregularity upon volt-ampere characteristics and Wunsch-bell dependency. In: 2006 16th International Crimean Microwave and Telecommunication Technology, CriMiCo [Internet]; 20062006. p. 723-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.2006.256174	Ahramovich, L. N.; Gribski, M. P.; Grigoriev, E. V.; Zuev, S. A.; Starostenko, V. V.; Churyumov, G. I.; Borisov, A. A.; Petrov, A. M.; Influence of pulsed electromagnetic fields upon integral memory microcircuit; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006
				26. Ahramovich LN, Gribski MP, Grigoriev EV, Zuev SA, Starostenko VV, Churyumov GI, Borisov AA, Petrov AM. Influence of pulsed electromagnetic fields upon integral memory microcircuit. In: 2006 16th International Crimean Microwave and Telecommunication Technology, CriMiCo [Internet]; 20062006. p. 721-2. Available from: www.scopus.com DOI: 10.1109/CRMICO.2006.256173	Akhramovich, L. N.; Zuev, S. A.; Starostenko, V. V.; Tereschenko, V. Y.; Churyumov, G. I.; Borisov, A. A.; Petrov, A. M.; Influences of the silicon Schottki FET active area irregularity upon volt-ampere characteristics and Wunsch-Bell dependency; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006
				27. Ustyantsev MA, Churyumov GI. Influence of dielectric constant of background on optical properties of metallodielectric photonic crystals. In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 20072007. p. 601-2. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368868	Churyumov, G. I.; Frolova, T. I.; Basrawi, K. M.; Simulation of lock mode in two-stage magnetron; 2006 IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE HELD JOINTLY WITH 2006 IEEE INTERNATIONAL VACUUM ELECTRON SOURCES; 2006

					10.1109/IVELEC.2006.1666275
				28. Ustyantsev MA, Churyumov GI. FDTD study of defect modes in two-dimensional silver metallo-dielectric photonic crystal. In: MSMW'07 Symposium Proceedings - The 6th International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves and Workshop on Terahertz Technologies [Internet]; 2007. p. 252-4. Available from: www.scopus.com DOI: 10.1109/MSMW.2007.4294625	Lukin, Konstantin; Churyumov, Gennadiy; Starchevskiy, Yuriy; Generation of electromagnetic oscillations by electron beam in open resonator: 3D modeling; 2006 IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE HELD JOINTLY WITH 2006 IEEE INTERNATIONAL VACUUM ELECTRON SOURCES; 2006 10.1109/IVELEC.2006.1666313
				29. Churyumov GI, Starchevskiy YL, Frolova TI, Basrawi KM, Ekezli AI, Sivokon' KV. Influence of thermal mode of oxide-coated cathode on magnetron frequency characteristics. In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 2007. p. 205-6. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368683	Starostenko, VV; Malishevskii, SV; Taran, EP; Churyumov, GI; Near field zone of an integrated circuit exposed to an electromagnetic wave in a waveguide; TECHNICAL PHYSICS LETTERS; 2003 29 10.1134/1.1544339
				30. Gribskii MP, Grigor'ev YV, Voitovich AK, Zuev SA, Starostenko VV, Churyumov GI. Influence of pulse electromagnetic fields on current-technology microcontrollers. Telecommun Radio Eng [Internet]. 2007;66(19):1791-7. Available from: www.scopus.com	Maksymov, IS; Churyumov, GI; Modelling of light passing in photon crystals; 12TH INTERNATIONAL CONFERENCE - MICROWAVE & TELECOMMUNICATION TECHNOLOGY, CONFERENCE PROCEEDINGS; 2002 10.1109/CRMICO.2002.1137304

			31. Akhramovich LN, Gribskii MP, Grigor'ev YV, Zuev SA, Starostenko VV, Churyumov GI. Influence of pulse electromagnetic fields on integrated memory chips. Telecommun Radio Eng [Internet]. 2007;66(19):1799-804. Available from: www.scopus.com	Maksymov, IS; Churyumov, GI; 2D computer modeling of waveguiding in 2D photonic crystals; LFNM'2002: PROCEEDINGS OF THE 4TH INTERNATIONAL WORKSHOP ON LASER AND FIBER-OPTICAL NETWORKS MODELING; 2002
			32. Akhramovich LN, Zuev SA, Starostenko VV, Tereshchenko VY, Churyumov GI, Unzhakov DA, Grigor'Ev YV. Numerical simulation of avalanche breakdown in the GaAs MESFET. Telecommun Radio Eng [Internet]. 2008;67(7):655-61. Available from: www.scopus.com	Maksymov, IS; Churyumov, GI; Photonic green's functions calculation by using FDTD method; MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, CONFERENCE PROCEEDINGS, VOLS 1 AND 2; 2002
			33. Churyumov GI, Starchevskiy YL. Effect of electrodes curvature of a cold cathode crossed-field gun on process of secondary-emission multiplication. In: 2008 IEEE International Vacuum Electronics Conference, IVEC with 9th IEEE International Vacuum Electron Sources Conference, IVESC [Internet]; 20082008. p. 339. Available from: www.scopus.com DOI: 10.1109/IVELEC.2008.4556520	Churyumov, GI; Frolova, TL; Gritsunov, AV; Terehin, SN; Advanced design of re-entrant beam distributed-emission crossed-field tubes; MIKON-2000, VOLS 1 & 2, PROCEEDINGS; 2000
			34. Churyumov GI, Basrawi KM, Ekezli AI, Sivokon' KV. Improving of frequency characteristics of K-range magnetrons. In: 2008 IEEE International Vacuum Electronics Conference, IVEC with 9th IEEE International Vacuum Electron Sources Conference, IVESC [Internet]; 20082008. p. 272. Available from: www.scopus.com DOI: 10.1109/IVELEC.2008.4556507	Ustyantsev, MA; Antonova, VA; Churyumov, GI; One-dimensional optimization of silicon solar cells; MMET 2000: INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2000
			35. Scherbatko I, Churyumov G, Ustyantsev M, Maksymov I. A comparison between the FDTD convolutional PML and reradiating boundary conditions for simple 3D test problem. In: Mathematical Methods	Frolova, TI; Churyumov, GI; Simulation of a non-linear interaction in the combined magnetron; MMET 2000: INTERNATIONAL CONFERENCE ON MATHEMATICAL

			in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20082008. p. 398-400. Available from: www.scopus.com DOI: 10.1109/MMET.2008.4581007	METHODS IN ELECTROMAGNETIC THEORY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2000
			36. Churyumov GI, Sivokon KV. Qualitative analysis of forming of electron flow on edge of anode voltage pulse in cold-cathode magnetron. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 215-6. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676356	Eremeev, DB; Churyumov, GI; Simulation of an inverted cold secondary emission magnetron gun; MSMW'98 - SYMPOSIUM PROCEEDINGS, VOLS 1 AND 2; 1998
			37. Churyumov GI, Starchevskiy YL. The paths of improvement of secondary-emission multiplication in cold-cathode magnetron tubes. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 213-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676355	Churyumov, GI; Sergeev, GI; Study of M-type combined amplifier; IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII RADIOELEKTRONIKA; 1996 39
			38. Ustyantsev MA, Churyumov GI. Microstrip patch antenna with metallodielectric electromagnetic crystals as a substrate. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 411-2. Available from: www.scopus.com	Churyumov, GI; Physical optimization of energy transformation in M-type equipment; IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII RADIOELEKTRONIKA; 1995 38
			39. Churyumov GI, Ivantsov VP, Starchevskiy YL, Ekezli AI, Sivokon' KV. Influence of power supply on frequency distortions in magnetron. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication	

				Technology, Conference Proceedings [Internet]; 20092009. p. 220-1. Available from: www.scopus.com		
				40. Churyumov GI, Gribskii MP, Starostenko VV, Tereshenko VY, Unzhakov DA, Zuev SA. Wunsch-bell criterial dependence for Si and GaAs schottky-barrier field-effect transistors. In: Ultra-Wideband, Short Pulse Electromagnetics 9 [Internet]; 20102010. p. 369-74. Available from: www.scopus.com DOI: 10.1007/978-0-387-77845-7-43		
				41. Maksymov IS, Magda II, Ustyantsev MA, Churyumov GI. Approach to spectral measurements of a millimeter-wave-band relativistic magnetron. IEEE Trans Plasma Sci [Internet]. 2010;38(5):1086-90. Available from: www.scopus.com		
				42. Churyumov GI, Ekezli AI, Yavlyanskiy IY. The effect of abnormal augmentation of anode current in diode structures. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 316-7. Available from: www.scopus.com		
				43. Nikitenko OM, Kozorezov GG, Churyumov GI, Yavlyanskiy IY, Volovenko MV. Calculation of anode strap magnetrons dispersion characteristics in fundamental and higher bandpasses. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 314-5. Available from: www.scopus.com		

			44. Churyumov GI, Ivantsov VP, Ekezli AI, Ol'khovsky VA, Malyshko VV. Frequency tuning from pulse to pulse magnetron generator. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 338-9. Available from: www.scopus.com		
			45. Churyumov GI, Odarenko EN, Frolova TI, Starchevskiy YL, Gerasimov VP, Ivantsov VP, Ekezli AI. Effect of microwave pump power on characteristics nonelectrode sulfuric lamps. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 865-6. Available from: www.scopus.com		
			46. Churyumov GI, Ekezli AI. The anomalous increasing of the anode current in the diode structures. J Nano Electron Phys [Internet]. 2014;6(1) Available from: www.scopus.com		
			47. Frolova TI, Churyumov GI. Computer modeling of the gas discharge in the electrodeless lamp. Probl Atomic Sci Technol [Internet]. 2015;98(4):194-6. Available from: www.scopus.com		
			48. Frolova TI, Churyumov GI. Free convection in a electrodeless microwave lamp. In: ICOPS/BEAMS 2014 - 41st IEEE International Conference on Plasma Science and the 20th International Conference on High-Power Particle Beams [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1109/PLASMA.2014.7012592		

			49. Aizatsky NI, Churyumov GI, Dovbnya AN, Zakutin VV, Reshetnyak NG, Starchevskiy YL. Generation and formation of axially symmetrical tubular electron beam in a cold metal secondary-emission cathode magnetron gun-part I: Experiment. IEEE Trans Electron Devices [Internet]. 2016;63(4):1704-9. Available from: www.scopus.com		
			50. Aizatsky NI, Churyumov GI, Dovbnya AN, Zakutin VV, Reshetnyak NG, Starchevskiy YL. Generation and formation of axially symmetrical tubular electron beam in a cold metal secondary-emission cathode magnetron gun-part II: Computer modeling. IEEE Trans Electron Devices [Internet]. 2016;63(4):1710-4. Available from: www.scopus.com		
			51. Frolova T, Churyumov G. A non-resonant method of excitation of the electrodeless lamp. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 180-2. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452006		
			52. Churyumov G, Frolova T, Gritsunov A. The state-of-the-art of computer modeling and design of the vacuum microwave devices. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 114-6. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7451986		

			53. Churyumov G. The qualitative theory of electron beam formation in a surface wave magnetron. In: 9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2016 [Internet]; 20162016Available from: www.scopus.com DOI: 10.1109/MSMW.2016.7538217		
			54. Churyumov G, Ekezli A. The anomalous increasing of the anode current in the diode structures. In: 2016 IEEE International Vacuum Electronics Conference, IVEC 2016 [Internet]; 20162016Available from: www.scopus.com DOI: 10.1109/IVEC.2016.7561929		
			55. Churyumov G, Gerasimov V, Frolova T, Gritsunov A, Ekezli A. The advanced designs of magnetrons with improvement output characteristics. In: 2016 IEEE International Vacuum Electronics Conference, IVEC 2016 [Internet]; 20162016Available from: www.scopus.com DOI: 10.1109/IVEC.2016.7561984		
			56. Perova I, Pliss I, Churyumov G, Eze FM, Mahmoud SMK. Neo-fuzzy approach for medical diagnostics tasks in online-mode. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 20162016. p. 34-7. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583502		
			57. Churyumov G. The theoretical and experimental investigation of anode block electrodynamic characteristics of the magnetron with two RF output. In: 2016 IEEE International Scientific Conference "Radio Electronics and Info Communications", UkrMiCo 2016 - Conference Proceedings [Internet]; 20162016Available from: www.scopus.com DOI:		

				10.1109/UkrMiCo.2016.7739613		
				58. Ruban IV, Churyumov GI, Tokarev VV, Tkachov VM. Provision of survivability of reconfigurable mobile system on exposure to high-power electromagnetic radiation. In: CEUR Workshop Proceedings [Internet]; 20172017. p. 105-11. Available from: www.scopus.com		
				59. Neyezhmakov P, Kupko A, Tereshchenko V, Churyumov G. Metrological guarantee of flashing light measurements. J Nano Electron Phys [Internet]. 2017;9(1) Available from: www.scopus.com		
				60. Churyumov G, Tokarev V, Tkachov V, Partyka S. Scenario of Interaction of the Mobile Technical Objects in the Process of Transmission of Data Streams in Conditions of Impacting the Powerful Electromagnetic Field. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 183-6. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478539		
				61. Serkov A, Breslavets V, Tolkachov M, Churyumov G. The Wideband Pulsed Antenna and its Application. In: UWBUSIS 2018 - 2018 9th International Conference on Ultrawideband and Ultrashort Impulse Signals, Proceedings [Internet]; 20182018. p. 340-2. Available from: www.scopus.com DOI: 10.1109/UWBUSIS.2018.8520071		

КІУ	АПОР	СВІРЬ ІРИНА БОРИСІВНА	60	1. Golovenko VM, Rozhitskii NN, Svir' IB. Electrochemiluminescence in nonelectrolytic thin-layer cells. J Appl Spectrosc [Internet]. 1989;51(5):1162-6. Available from: www.scopus.com	54	Klymenko, OV; Evans, RG; Hardacre, C; Svir, IB; Compton, RG; Double potential step chronoamperometry at microdisk electrodes: simulating the case of unequal diffusion coefficients; JOURNAL OF ELECTROANALYTICAL CHEMISTRY; 2004 571 10.1016/j.jelechem.2004.05.012
				2. Svir IB, Oleinick AI, Compton RG. Optimisation of simulation of diffusional transport to microsphere electrode and its application to electrogenerated chemiluminescence. In: Proceedings of LFNM 2000: 2nd International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20002000. p. 118-21. Available from: www.scopus.com DOI: 10.1109/LFNM.2000.854057		Amatore, Christian; Klymenko, Oleksiy; Svir, Irina; A new strategy for simulation of electrochemical mechanisms involving acute reaction fronts in solution: Principle; ELECTROCHEMISTRY COMMUNICATIONS; 2010 12 10.1016/j.elecom.2010.06.009
				3. Svir IB, Klimenko AV, Compton RG. Alternating direction implicit method, ADI: Efficient and stable approach to electrochemical modelling. Simulation of channel flow cell problem. In: Proceedings of LFNM 2000: 2nd International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20002000. p. 122-6. Available from: www.scopus.com DOI: 10.1109/LFNM.2000.854058		Amatore, Christian; Oleinick, Alexander I.; Svir, Irina; Reconstruction of Aperture Functions during Full Fusion in Vesicular Exocytosis of Neurotransmitters; CHEMPHYSICHEM; 2010 11 10.1002/cphc.200900647
				4. Kukoba AV, Bykh AI, Svir IB. Analytical applications of electrochemiluminescence: An overview. Fresenius J Anal Chem [Internet]. 2000;368(5):439-42. Available from: www.scopus.com		Amatore, C; Svir, I; A new and powerful approach for simulation of diffusion at microelectrodes based on overlapping sub-domains: application to chronoamperometry at the microdisk; JOURNAL OF ELECTROANALYTICAL CHEMISTRY; 2003 557 10.1016/S0022-0728(03)00350-4

			5. Svir IB, Golovenko VM. Simulation of the microdisc problem in spherical co-ordinates. application to electrogenerated chemiluminescence. Electrochem Commun [Internet]. 2001;3(1):11-5. Available from: www.scopus.com	Hu, Ning; Yang, Jun; Yin, Zheng-Qin; Ai, Ye; Qian, Shizhi; Svir, Irina B.; Xia, Bin; Yan, Jia-Wen; Hou, Wen-Sheng; Zheng, Xiao-Lin; A high-throughput dielectrophoresis-based cell electrofusion microfluidic device; ELECTROPHORESIS; 2011 32 10.1002/elps.201100082
			6. Svir IB, Oleinick AI. The electrogenerated chemiluminescence kinetics at a microdisc electrode. J Electroanal Chem [Internet]. 2001;499(1):30-8. Available from: www.scopus.com	Oleinick, A; Amatore, C; Svir, I; Efficient quasi-conformal map for simulation of diffusion at disk microelectrodes; ELECTROCHEMISTRY COMMUNICATIONS; 2004 6 10.1016/j.elecom.2004.04.010
			7. Svir IB, Oleinick AI, Klimenko AV. 'ECL-PACKAGE' - software for electrochemiluminescence simulation at microelectrodes. J Electroanal Chem [Internet]. 2001;513(2):119-25. Available from: www.scopus.com	Kukoba, AV; Bykh, AI; Svir, IB; Analytical applications of electrochemiluminescence: an overview; FRESENIUS JOURNAL OF ANALYTICAL CHEMISTRY; 2000 368 10.1007/s002160000548
			8. Svir IB. Simulation of the microdisc problem in spherical co-ordinates. application to electrochemiluminescence homogeneous analysis. Analyst [Internet]. 2001;126(11):1888-91. Available from: www.scopus.com	Oleinick, Alexander; Zhu, Feng; Yan, Jiawei; Mao, Bingwei; Svir, Irina; Amatore, Christian; Theoretical Investigation of Generator-Collector Microwell Arrays for Improving Electroanalytical Selectivity: Application to Selective Dopamine Detection in the Presence of Ascorbic Acid; CHEMPHYSICHEM; 2013 14 10.1002/cphc.201300134
			9. Svir IB, Klymenko OV, Platz MS. 'KINFITSIM' - A software to fit kinetic data to a user selected mechanism. Comput Chem [Internet]. 2002;26(4):379-86. Available from: www.scopus.com	Amatore, C; Oleinick, AI; Svir, IB; Simulation of the double hemisphere generator-collector assembly through conformal mapping technique; JOURNAL OF ELECTROANALYTICAL CHEMISTRY; 2003 553 10.1016/S0022-0728(03)00269-9

			10. Oleinick AI, Svir IB, Amatore CA. Simulation of the double hemicylinder electrode system through conformal mapping technique. Application to steady-state electrogenerated chemiluminescence. In: Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL [Internet]; 2003;2003. p. 22-4. Available from: www.scopus.com DOI: 10.1109/CAOL.2003.1251249	Svir, IB; Oleinick, AI; Compton, RG; Dual microband electrodes: current distributions and diffusion layer 'titrations'. Implications for electroanalytical measurements; JOURNAL OF ELECTROANALYTICAL CHEMISTRY; 2003 560 10.1016/j.jelechem.2003.07.023
			11. Amatore C, Oleinick A, Svir I. Theory of transient and steady-state ECL generation at double-hemicylinder assemblies using conformal mapping and simulations. Electrochem Commun [Internet]. 2003;5(12):989-94. Available from: www.scopus.com	Amatore, C.; Oleinick, A. I.; Svir, I.; Numerical Simulation of Diffusion Processes at Recessed Disk Microelectrode Arrays Using the Quasi-Conformal Mapping Approach; ANALYTICAL CHEMISTRY; 2009 81 10.1021/ac9003419
			12. Svir' IB, Olejnik AI, Kompton RG. Solution of problems of an annular microelectrode with spherical coordinates. the application to near-stationary voltammetry with linear sweep. Elektrokimiya [Internet]. 2003;39(2):177-81. Available from: www.scopus.com	Tippmann, EM; Platz, MS; Svir, IB; Klymenko, OV; Evidence for specific solvation of two halocarbene amides; JOURNAL OF THE AMERICAN CHEMICAL SOCIETY; 2004 126 10.1021/ja039693k
			13. Platz MS, Svir IB, Oleinick AI, Klymenko OV. KinFitSim: A powerful kinetic simulator and mechanism fitting tool. In: Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL [Internet]; 2003;2003. p. 78-83. Available from: www.scopus.com DOI: 10.1109/CAOL.2003.1250513	Amatore, Christian; Klymenko, Oleksiy; Svir, Irina; A new strategy for simulation of electrochemical mechanisms involving acute reaction fronts in solution: Application to model mechanisms; ELECTROCHEMISTRY COMMUNICATIONS; 2010 12 10.1016/j.elecom.2010.06.008
			14. Svir IB, Oleinick AI, Compton RG. Solution of ring electrode problems in spherical coordinates: An application to near-steady-state linear sweep voltammetry. Russ J Electrochem [Internet]. 2003;39(2):160-3. Available from: www.scopus.com	Amatore, Christian; Oleinick, Alexander I.; Svir, Irina; Construction of optimal quasi-conformal mappings for the 2D numerical simulation of diffusion at microelectrodes. Part 2. Application to recessed or protruding

					electrodes and their arrays; JOURNAL OF ELECTROANALYTICAL CHEMISTRY; 2006 597 10.1016/j.jelechem.2006.07.035
				15. Amatore C, Oleinick AI, Svir IB. Simulation of the double hemicylinder generator-collector assembly through conformal mapping technique. J Electroanal Chem [Internet]. 2003;553(SUPPL.):49-61. Available from: www.scopus.com	Amatore, C; Oleinick, A; Svir, I; Simulation of diffusion-convection processes in microfluidic channels equipped with double band microelectrode assemblies: approach through quasi-conformal mapping; ELECTROCHEMISTRY COMMUNICATIONS; 2004 6 10.1016/j.elecom.2004.09.002
				16. Amatore C, Svir I. A new and powerful approach for simulation of diffusion at microelectrodes based on overlapping sub-domains: Application to chronoamperometry at the microdisk. J Electroanal Chem [Internet]. 2003;557:75-90. Available from: www.scopus.com	Amatore, Christian; Oleinick, Alexander; Svir, Irina; Theoretical Analysis of Microscopic Ohmic Drop Effects on Steady-State and Transient Voltammetry at the Disk Microelectrode: A Quasi-Conformal Mapping Modeling and Simulation; ANALYTICAL CHEMISTRY; 2008 80 10.1021/ac8010268
				17. Svir IB, Oleinick AI, Compton RG. Dual microband electrodes: Current distributions and diffusion layer 'titrations'. implications for electroanalytical measurements. J Electroanal Chem [Internet]. 2003;560(2):117-26. Available from: www.scopus.com	Svir, IB; Klymenko, OV; Platz, MS; 'KINFITSIM' - a software to fit kinetic data to a user selected mechanism; COMPUTERS & CHEMISTRY; 2002 26 10.1016/S0097-8485(02)00014-1
				18. Oleinick A, Amatore C, Svir I. Efficient quasi-conformal map for simulation of diffusion at disk microelectrodes. Electrochem Commun [Internet]. 2004;6(6):588-94. Available from: www.scopus.com	Amatore, C; Oleinick, A; Svir, I; Simulation of diffusion at microring electrodes through conformal mapping; JOURNAL OF ELECTROANALYTICAL CHEMISTRY; 2004 564 10.1016/j.jelechem.2003.10.016

			19. Amatore C, Oleinick A, Svir I. Simulation of diffusion at microring electrodes through conformal mapping. J Electroanal Chem [Internet]. 2004;564(1-2):245-60. Available from: www.scopus.com	Klymenko, Oleksiy V.; Svir, Irina; Amatore, Christian; A New Approach for the Simulation of Electrochemiluminescence (ECL); CHEMPHYSICHEM; 2013 14 10.1002/cphc.201300126
			20. Tippmann EM, Platz MS, Svir IB, Klymenko OV. Evidence for specific solvation of two halocarbene amides. J Am Chem Soc [Internet]. 2004;126(18):5750-62. Available from: www.scopus.com	Amatore, Christian; Klymenko, Oleksiy V.; Svir, Irina; Importance of Correct Prediction of Initial Concentrations in Voltammetric Scans: Contrasting Roles of Thermodynamics, Kinetics, and Natural Convection; ANALYTICAL CHEMISTRY; 2012 84 10.1021/ac203188b
			21. Klymenko OV, Evans RG, Hardacre C, Svir IB, Compton RG. Double potential step chronoamperometry at microdisk electrodes: Simulating the case of unequal diffusion coefficients. J Electroanal Chem [Internet]. 2004;571(2):211-21. Available from: www.scopus.com	Amatore, Christian; Oleinick, Alexander I.; Svir, Irina; Construction of optimal quasi-conformal mappings for the 2D-numerical simulation of diffusion at microelectrodes. Part 1: Principle of the method and its application to the inlaid disk microelectrode; JOURNAL OF ELECTROANALYTICAL CHEMISTRY; 2006 597 10.1016/j.jelechem.2006.08.001
			22. Amatore C, Oleinick A, Svir I. Simulation of diffusion-convection processes in microfluidic channels equipped with double band microelectrode assemblies: Approach through quasi-conformal mapping. Electrochem Commun [Internet]. 2004;6(11):1123-30. Available from: www.scopus.com	Amatore, C; Oleinick, A; Klymenko, OV; Svir, I; In situ and online monitoring of hydrodynamic flow profiles in microfluidic channels based upon microelectrochemistry: Concept, theory, and validation; CHEMPHYSICHEM; 2005 6 10.1002/cphc.200500129
			23. Amatore C, Oleinick A, Svir I. Diffusion within nanometric and micrometric spherical-type domains limited by nanometric ring or pore active interfaces. part 1: Conformal mapping approach. J Electroanal Chem [Internet]. 2005;575(1):103-23. Available from:	Amatore, C; Oleinick, A; Svir, I; Diffusion within nanometric and micrometric sphenical-type domains limited by nanometric ring or pore active interfaces. Part 1: conformal mapping approach; JOURNAL OF

				www.scopus.com		ELECTROANALYTICAL CHEMISTRY; 2005 575 10.1016/j.jelechem.2004.09.006
				24. Svir I, Oleinick A, Yunus K, Fisher AC, Wadhawan JD, Davies TJ, Compton RG. Theoretical and experimental study of the ECE mechanism at microring electrodes. J Electroanal Chem [Internet]. 2005;578(2):289-99. Available from: www.scopus.com		Svir, IB; Oleinick, AI; The electrogenerated chemiluminescence kinetics at a microdisc electrode; JOURNAL OF ELECTROANALYTICAL CHEMISTRY; 2001 499 10.1016/S0022-0728(00)00446-0
				25. Amatore C, Oleinick A, Klymenko OV, Svir I. In situ and online monitoring of hydrodynamic flow profiles in microfluidic channels based upon microelectrochemistry: Concept, theory, and validation. ChemPhysChem [Internet]. 2005;6(8):1581-9. Available from: www.scopus.com		Klymenko, Oleksiy V.; Svir, Irina; Amatore, Christian; New theoretical insights into the competitive roles of electron transfers involving adsorbed and homogeneous phases; JOURNAL OF ELECTROANALYTICAL CHEMISTRY; 2013 688 10.1016/j.jelechem.2012.07.022
				26. Amatore C, Klymenko OV, Svir I. In situ and online monitoring of hydrodynamic flow profiles in microfluidic channels based upon microelectrochemistry: Optimization of electrode locations. ChemPhysChem [Internet]. 2006;7(2):482-7. Available from: www.scopus.com		Amatore, Christian; Oleinick, Alexander; Klymenko, Oleksiy V.; Delacote, Cyril; Walcarius, Alain; Svir, Irina; Theory and simulation of diffusion-reaction into nano- and mesoporous structures. Experimental application to sequestration of mercury(II); ANALYTICAL CHEMISTRY; 2008 80 10.1021/ac702420p
				27. Oleinick AI, Amatore C, Guille M, Arbault S, Klymenko OV, Svir I. Modelling release of nitric oxide in a slice of rat's brain: Describing stimulated functional hyperemia with diffusion-reaction equations. Math Med Biol [Internet]. 2006;23(1):27-44. Available from: www.scopus.com		Klymenko, Oleksiy V.; Amatore, Christian; Svir, Irina; Time-dependent diffusion-migration at cylindrical and spherical microelectrodes: Steady- and quasi-steady-state analytical solution can be used under transient conditions; ANALYTICAL CHEMISTRY; 2007 79 10.1021/ac0706168

			28. Amatore C, Klymenko OV, Svir I. Erratum: In situ and online monitoring of hydrodynamic flow profiles in microfluidic channels based upon microelectrochemistry: Optimization of electrode locations (chemical physics and physical chemistry (2006) 7, (482-487)). ChemPhysChem [Internet]. 2006;7(4):779. Available from: www.scopus.com	Klymenko, Oleksiy V.; Oleinick, Alexander I.; Amatore, Christian; Svir, Irina; Reconstruction of hydrodynamic flow profiles in a rectangular channel using electrochemical methods of analysis; ELECTROCHIMICA ACTA; 2007 53 10.1016/j.electacta.2007.03.066
			29. Amatore C, Oleinick AI, Svir I. Construction of optimal quasi-conformal mappings for the 2D-numerical simulation of diffusion at microelectrodes. part 1: Principle of the method and its application to the inlaid disk microelectrode. J Electroanal Chem [Internet]. 2006;597(1):69-76. Available from: www.scopus.com	Svir, IB; Oleinick, AI; Klimenko, AV; 'ECL-PACKAGE' - Software for electrochemiluminescence simulation at microelectrodes; JOURNAL OF ELECTROANALYTICAL CHEMISTRY; 2001 513 10.1016/S0022-0728(01)00608-8
			30. Amatore C, Oleinick AI, Svir I. Construction of optimal quasi-conformal mappings for the 2D numerical simulation of diffusion at microelectrodes. part 2. application to recessed or protruding electrodes and their arrays. J Electroanal Chem [Internet]. 2006;597(1):77-85. Available from: www.scopus.com	Svir, IB; Golovenko, VM; Simulation of the microdisc problem in spherical co-ordinates. Application to electrogenerated chemiluminescence; ELECTROCHEMISTRY COMMUNICATIONS; 2001 3 10.1016/S1388-2481(00)00141-7
			31. Amatore C, Oleinick A, Klymenko OV, Thouin L, Servant L, Svir I. Confocal microscopy imaging of electrochemiluminescence at double band microelectrode assemblies: Numerical solution of the inverse optical problem. ChemPhysChem [Internet]. 2007;8(11):1664-76. Available from: www.scopus.com	Amatore, C; Klymenko, OV; Svir, I; In situ and online monitoring of hydrodynamic flow profiles in microfluidic channels based upon microelectrochemistry: Optimization of electrode locations; CHEMPHYSICHEM; 2006 7 10.1002/cphc.200500400
			32. Klymenko OV, Amatore C, Svir I. Time-dependent diffusion-migration at cylindrical and spherical microelectrodes: Steady- and quasi-steady-state analytical solution can be used under transient conditions. Anal Chem [Internet]. 2007;79(16):6341-7. Available from: www.scopus.com	Yang, Jun; Zhao, Li-Ping; Yin, Zheng-Qin; Hu, Ning; Chen, Jie; Li, Ting-Yu; Svir, Irina; Zheng, Xiao-Lin; Chip-Based Cell Electrofusion; ADVANCED ENGINEERING MATERIALS; 2010 12 10.1002/adem.200980063

			33. Amatore C, Klymenko OV, Oleinick A, Svir I. In situ and on-line monitoring of hydrodynamic flow profiles in microfluidic channels based on microelectrochemistry: Optimization of channel geometrical parameters for best performance of flow profile reconstruction. ChemPhysChem [Internet]. 2007;8(12):1870-4. Available from: www.scopus.com	Amatore, Christian; Alexander, I. Oleinick; Svir, Irina; Theory of Ion Transport in Electrochemically Switchable Nanoporous Metallized Membranes; CHEMPHYSICHEM; 2009 10 10.1002/cphc.200800481
			34. Klymenko OV, Oleinick AI, Amatore C, Svir I. Reconstruction of hydrodynamic flow profiles in a rectangular channel using electrochemical methods of analysis. Electrochim Acta [Internet]. 2007;53(3 SPEC. ISS.):1100-6. Available from: www.scopus.com	Oleinick, AI; Amatore, C; Guille, M; Arbault, S; Klymenko, OV; Svir, I; Modelling release of nitric oxide in a slice of rat's brain: describing stimulated functional hyperemia with diffusion-reaction equations; MATHEMATICAL MEDICINE AND BIOLOGY-A JOURNAL OF THE IMA; 2006 23 10.1093/imammb/dq1001
			35. Shulyk VN, Klymenko OV, Svir IB. Numerical solution of stiff ODEs describing complex homogeneous chemical processes. J Math Chem [Internet]. 2008;43(1):252-64. Available from: www.scopus.com	Klymenko, Oleksiy V.; Svir, Irina; Oleinick, Alexander; Amatore, Christian; A Novel Approach to the Simulation of Electrochemical Mechanisms Involving Acute Reaction Fronts at Disk and Band Microelectrodes; CHEMPHYSICHEM; 2012 13 10.1002/cphc.201100825
			36. Klymenko O, Oleinick A, Amatore C, Svir I. A new approach to the determination of the stellate neuron activity function in rat's brain. Russ J Phys Chem A [Internet]. 2008;82(9):1428-33. Available from: www.scopus.com	Amatore, Christian; Klymenko, Oleksiy V.; Oleinick, Alexander I.; Svir, Irina; Electrochemical Determination of Flow Velocity Profile in a Microfluidic Channel from Steady-State Currents: Numerical Approach and Optimization of Electrode Layout; ANALYTICAL CHEMISTRY; 2009 81 10.1021/ac9010827

			37. Amatore C, Oleinick A, Klymenko OV, Delacôte C, Walcarius A, Svir I. Theory and simulation of diffusion-reaction into nano- and mesoporous structures. experimental application to sequestration of mercury(II). Anal Chem [Internet]. 2008;80(9):3229-43. Available from: www.scopus.com	Svir, I; Oleinick, A; Yunus, K; Fisher, AC; Wadhawan, JD; Davies, TJ; Compton, RG; Theoretical and experimental study of the ECE mechanism at microring electrodes; JOURNAL OF ELECTROANALYTICAL CHEMISTRY; 2005 578 10.1016/j.jelechem.2005.01.011
			38. Amatore C, Oleinick A, Svir I. Capacitive and solution resistance effects on voltammetric responses of a thin redox layer attached to disk microelectrodes. Anal Chem [Internet]. 2008;80(21):7957-63. Available from: www.scopus.com	Amatore, C; Oleinick, A; Svir, I; Theory of transient and steady-state ECL generation at double-hemicylinder assemblies using conformal mapping and simulations; ELECTROCHEMISTRY COMMUNICATIONS; 2003 5 10.1016/j.elecom.2003.09.011
			39. Amatore C, Oleinick A, Svir I. Theoretical analysis of microscopic ohmic drop effects on steady-state and transient voltammetry at the disk microelectrode: A quasi-conformal mapping modeling and simulation. Anal Chem [Internet]. 2008;80(21):7947-56. Available from: www.scopus.com	Amatore, Christian; Oleinick, Alexander I.; Svir, Irina; Diffusion from within a Spherical Body with Partially Blocked Surface: Diffusion through a Constant Surface Area; CHEMPHYSICHEM; 2010 11 10.1002/cphc.200900646
			40. Amatore C, Oleinick AI, Svir I. Theory of ion transport in electrochemically switchable nanoporous metallized membranes. ChemPhysChem [Internet]. 2009;10(1):211-21. Available from: www.scopus.com	Amatore, Christian; Oleinick, Alexander; Svir, Irina; Capacitive and Solution Resistance Effects on Voltammetric Responses of a Thin Redox Layer Attached to Disk Microelectrodes; ANALYTICAL CHEMISTRY; 2008 80 10.1021/ac8012972
			41. Yang J, Yang J, Yin Z-, Svir I, Xu J, Luo H-, Wang M, Cao Y, Hu N, Liao Y-, Zheng X-. Microfluidic pool structure for cell docking and rapid mixing. Anal Chim Acta [Internet]. 2009;634(1):61-7. Available from: www.scopus.com	Amatore, Christian; Oleinick, Alexander; Klymenko, Oleksiy V.; Svir, Irina; Capacitive and Solution Resistance Effects on Voltammetric Responses at a Disk Microelectrode Covered with a Self-Assembled Monolayer in the Presence of Electron Hopping; ANALYTICAL CHEMISTRY; 2009

					81 10.1021/ac901513x
				42. Amatore C, Oleinick AI, Svir I. Numerical simulation of diffusion processes at recessed disk microelectrode arrays using the quasi-conformal mapping approach. Anal Chem [Internet]. 2009;81(11):4397-405. Available from: www.scopus.com	Amatore, Christian; Oleinick, Alexander I.; Klymenko, Oleksiy V.; Svir, Irina; Theory of Long-Range Diffusion of Proteins on a Spherical Biological Membrane: Application to Protein Cluster Formation and Actin-Comet Tail Growth; CHEMPHYSCHEM; 2009 10 10.1002/cphc.200900176
				43. Yang J, Yang J, Yin Z-, Xu J, Hu N, Svir I, Wang M, Li Y-, Zhan L, Wu S, Zheng X-. Study of the inhibitory effect of fatty acids on the interaction between DNA and polymerase β . Biochemistry Moscow [Internet]. 2009;74(7):813-8. Available from: www.scopus.com	Amatore, Christian; Klymenko, Oleksiy V.; Oleinick, Alexander I.; Svir, Irina; Diffusion with Moving Boundary on Spherical Surfaces; CHEMPHYSCHEM; 2009 10 10.1002/cphc.200900169
				44. Amatore C, Oleinick AI, Klymenko OV, Svir I. Theory of long-range diffusion of proteins on a spherical biological membrane: Application to protein cluster formation and actin-comet tail growth. ChemPhysChem [Internet]. 2009;10(9-10):1586-92. Available from: www.scopus.com	Amatore, Christian; Klymenko, Oleksiy V.; Oleinick, Alexander; Svir, Irina; In situ and on-line monitoring of hydrodynamic flow profiles in microfluidic channels based on microelectrochemistry: Optimization of channel geometrical parameters for best performance of flow profile reconstruction; CHEMPHYSCHEM; 2007 8 10.1002/cphc.200700297
				45. Amatore C, Klymenko OV, Oleinick AI, Svir I. Diffusion with moving boundary on spherical surfaces. ChemPhysChem [Internet]. 2009;10(9-10):1593-602. Available from: www.scopus.com	Yang, Jun; Yang, Jing; Yin, Zheng-Qin; Svir, Irina; Xu, Jing; Luo, Hong-Yan; Wang, Min; Cao, Yi; Hu, Ning; Liao, Yan-Jian; Zheng, Xiao-Lin; Microfluidic pool structure for cell docking and rapid mixing; ANALYTICA CHIMICA ACTA; 2009 634

					10.1016/j.aca.2008.11.061
				46. Amatore C, Klymenko OV, Oleinick AI, Svir I. Electrochemical determination of flow velocity profile in a microfluidic channel from steady-state currents: Numerical approach and optimization of electrode layout. Anal Chem [Internet]. 2009;81(18):7667-76. Available from: www.scopus.com	Svir, IB; Simulation of the microdisc problem in spherical co-ordinates. Application to electrochemiluminescence homogeneous analysis; ANALYST; 2001 126 10.1039/b104017k
				47. Amatore C, Oleinick A, Klymenko OV, Svir I. Capacitive and solution resistance effects on voltammetric responses at a disk microelectrode covered with a self-assembled monolayer in the presence of electron hopping. Anal Chem [Internet]. 2009;81(20):8545-56. Available from: www.scopus.com	Klymenko, Oleksiy V.; Oleinick, Alexander I.; Svir, Irina; Amatore, Christian; A new strategy for simulation of electrochemical mechanisms involving acute reaction fronts in solution under spherical or cylindrical diffusion; RUSSIAN JOURNAL OF ELECTROCHEMISTRY; 2012 48 10.1134/S1023193512060055
				48. Amatore C, Oleinick AI, Svir I. Diffusion from within a spherical body with partially blocked surface: Diffusion through a constant surface area. ChemPhysChem [Internet]. 2010;11(1):149-58. Available from: www.scopus.com	Svir, IB; Oleinick, AI; Compton, RG; Solution of ring electrode problems in spherical coordinates: An application to near-steady-state linear sweep voltammetry; RUSSIAN JOURNAL OF ELECTROCHEMISTRY; 2003 39 10.1023/A:1022356808484
				49. Klymenko OV, Svir I, Amatore C. Theoretical study of the EE reaction mechanism with comproportionation and different diffusivities of reactants. Electrochem Commun [Internet]. 2010;12(10):1378-82. Available from: www.scopus.com	Amatore, Christian; Oleinick, Alexander; Klymenko, Oleksiy V.; Thouin, Laurent; Servant, Laurent; Svir, Irina; Confocal microscopy imaging of electrochemiluminescence at double band microelectrode assemblies: Numerical solution of the inverse optical problem; CHEMPHYSICHEM; 2007 8

					10.1002/cphc.200700216
				50. Amatore C, Klymenko O, Svir I. A new strategy for simulation of electrochemical mechanisms involving acute reaction fronts in solution: Principle. <i>Electrochem Commun</i> [Internet]. 2010;12(9):1170-3. Available from: www.scopus.com	Sliusarenko, O. Yu.; Oleinick, A. I.; Svir, I. B.; Amatore, C. A.; Importance of stochastic limitations in electrochemistry at arrays of nanoelectrodes functionalized by redox self-assembled monolayers; <i>RUSSIAN JOURNAL OF ELECTROCHEMISTRY</i> ; 2017 53 10.1134/S1023193517090129
				51. Amatore C, Klymenko O, Svir I. A new strategy for simulation of electrochemical mechanisms involving acute reaction fronts in solution: Application to model mechanisms. <i>Electrochem Commun</i> [Internet]. 2010;12(9):1165-9. Available from: www.scopus.com	Yang, Jun; Yang, Jing; Yin, Zheng-Qin; Xu, Jing; Hu, Ning; Svir, I.; Wang, Min; Li, Yuan-Yi; Zhan, Lei; Wu, Song; Zheng, Xiao-Lin; Study of the inhibitory effect of fatty acids on the interaction between DNA and polymerase beta; <i>BIOCHEMISTRY-MOSCOW</i> ; 2009 74 10.1134/S0006297909070165
				52. Amatore C, Oleinick AI, Svir I. Reconstruction of aperture functions during full fusion in vesicular exocytosis of neurotransmitters. <i>ChemPhysChem</i> [Internet]. 2010;11(1):159-74. Available from: www.scopus.com	Klymenko, O.; Oleinick, A.; Amatore, C.; Svir, I.; A new approach to the determination of the stellate neuron activity function in rat's brain; <i>RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A</i> ; 2008 82 10.1134/S0036024408090021
				53. Yang J, Zhao L-, Yin Z-, Hu N, Chen J, Li T-, Svir I, Zheng X-. Chip-based cell electrofusion. <i>Adv Eng Mater</i> [Internet]. 2010;12(9):B398-405. Available from: www.scopus.com	Svir, IB; Oleinick, AI; Compton, RG; Optimisation of simulation of diffusional transport to microsphere electrode and its application to electrogenerated chemiluminescence; <i>PROCEEDINGS OF LFNM'2000: 2ND INTERNATIONAL WORKSHOP ON LASER AND FIBER-OPTICAL NETWORKS MODELING</i> ; 2000

					10.1109/LFNM.2000.854057
				54. Amatore C, Klymenko OV, Svir I. Replies to comments contained in "the true history of adaptive grids in electrochemical simulations" by D. Britz [electrochim. acta 56 (2011) 4420-4421]. Electrochim Acta [Internet]. 2011;56(11):4422-3. Available from: www.scopus.com	Svir, IB; Klimenko, AV; Compton, RG; Alternating direction implicit method, ADI: Efficient and stable approach to electrochemical modelling. Simulation of channel flow cell problem.; PROCEEDINGS OF LFNM'2000: 2ND INTERNATIONAL WORKSHOP ON LASER AND FIBER-OPTICAL NETWORKS MODELING; 2000 10.1109/LFNM.2000.854058
				55. Oleinick AI, Battistel D, Daniele S, Svir I, Amatore C. Simple and clear evidence for positive feedback limitation by bipolar behavior during scanning electrochemical microscopy of unbiased conductors. Anal Chem [Internet]. 2011;83(12):4887-93. Available from: www.scopus.com	
				56. Hu N, Yang J, Yin Z-, Ai Y, Qian S, Svir IB, Xia B, Yan J-, Hou W-, Zheng X-. A high-throughput dielectrophoresis-based cell electrofusion microfluidic device. Electrophoresis [Internet]. 2011;32(18):2488-95. Available from: www.scopus.com	
				57. Klymenko OV, Svir I, Oleinick A, Amatore C. A novel approach to the simulation of electrochemical mechanisms involving acute reaction fronts at disk and band microelectrodes. ChemPhysChem [Internet]. 2012;13(3):845-59. Available from: www.scopus.com	

				58. Amatore C, Klymenko OV, Svir I. Importance of correct prediction of initial concentrations in voltammetric scans: Contrasting roles of thermodynamics, kinetics, and natural convection. Anal Chem [Internet]. 2012;84(6):2792-8. Available from: www.scopus.com		
				59. Klymenko OV, Oleinick AI, Svir I, Amatore C. A new strategy for simulation of electrochemical mechanisms involving acute reaction fronts in solution under spherical or cylindrical diffusion. Russ J Electrochem [Internet]. 2012;48(6):593-9. Available from: www.scopus.com		
				60. Klymenko OV, Amatore C, Sun W, Zhou Y-, Tian Z-, Svir I. Theory and computational study of electrophoretic ion separation and focusing in microfluidic channels. Nonlinear Anal Modell Control [Internet]. 2012;17(4):431-47. Available from: www.scopus.com		
ITM	BM	ДОРОШЕНКО ВОЛОДИМИР ОЛЕКСІЙОВИ Ч	57	1. Doroshenko VA, Sologub VG. ON THE STRUCTURE OF THE FIELD OF A RADIAL MAGNETIC DIPOLE, SCATTERED BY A SLOTTED CONICAL SURFACE. Sov J Commun Technol Electron [Internet]. 1987;32(7):161-3. Available from: www.scopus.com	25	Doroshenko, VA; Kravchenko, VF; Scattering of electromagnetic waves by an unclosed circular cone; DOKLADY PHYSICS; 2000 45 10.1134/1.1342444
				2. Doroshenko VA, Sologub VG. Excitation of an open conical surface by an electric radial dipole. Sov J Commun Technol Electron [Internet]. 1991;36(5):113-4. Available from: www.scopus.com		Doroshenko, VA; Kravchenko, VF; Pustovoit, VI; Meler-Fock transformations in problems of wave diffraction on unclosed structures in the time region; DOKLADY PHYSICS; 2005 50 10.1134/1.2137789

			3. Doroshenko V. On the diffraction of electromagnetic waves by biconical structure with longitudinal slots. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 1996. p. 298-301. Available from: www.scopus.com	Doroshenko, VA; Kravchenko, VF; Unsteady diffraction by a nonclosed cone; DOKLADY PHYSICS; 2001 46 10.1134/1.1378097
			4. Doroshenko VA. Nonstationary excitation problem solution for a biconical structure consisting of an unclosed cone and isotropic one. Math Methods Electromag Theory MMET Conf Proc [Internet]. 1998;2:754-6. Available from: www.scopus.com	Doroshenko, V. O.; Strelnytskyi, O. O.; Strelnytskyi, O. E.; EXPERIMENTAL INVESTIGATION OF THE CONE ANTENNA WITH A LONGITUDINAL SLOT; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
			5. Doroshenko VA, Yevsukova EK. Transient excitation of special slotted bicone. In: ISAPE 2000 - 2000 5th International Symposium on Antennas, Propagation and EM Theory, Proceedings [Internet]; 2000. p. 370-2. Available from: www.scopus.com DOI: 10.1109/ISAPE.2000.894801	Doroshenko, V. A.; Kravchenko, V. F.; Pustovoit, V. I.; Diffraction of electromagnetic waves on an imperfectly conducting conical structure of a particular shape; DOKLADY PHYSICS; 2006 51 10.1134/S1028335806100016
			6. Doroshenko VA, Kravchenko VF. Scattering of electromagnetic waves by an unclosed circular cone. Dokl Phys [Internet]. 2000;45(12):659-62. Available from: www.scopus.com	Doroshenko, V. O.; Strelnytskyi, O. E.; Strelnytskyi, O. O.; EXPERIMENTAL STUDY OF THE PROPERTIES OF WIDEBAND ANTENNAS OF SPECIAL SHAPE; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
			7. Doroshenko VA, Kravchenko VF. Scattering of the field of an electric dipole by a conic structure with longitudinal slots. J Commun Technol Electron [Internet]. 2000;45(7):714-20. Available from: www.scopus.com	Doroshenko, V. O.; Strelnytskyi, O. E.; Strelnytskyi, O. O.; EXCITATION OF THE SLOT CONICAL ANTENNA (THEORY AND EXPERIMENT); 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES

					(ICATT); 2015
				8. Doroshenko VA, Kravchenko VF. Scattering of the field of an electric dipole by a conic structure with longitudinal slots. Radiotekh Elektron [Internet]. 2000;45(7):792-8. Available from: www.scopus.com	Semenova, Elena K.; Doroshenko, Vladimir A.; Electromagnetic excitation of PEC slotted cones by elementary radial dipoles - A semi-inversion analysis; IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION; 2008 56 10.1109/TAP.2008.924718
				9. Doroshenko VA, Kravchenko VF. The scattering of plane electromagnetic waves from a cone with longitudinal slots. J Commun Technol Electron [Internet]. 2001;46(3):271-8. Available from: www.scopus.com	Doroshenko, V. A.; Shimuk, Y. D.; PULSE ELECTROMAGNETIC FIELD SCATTERING ON A CONE SURFACE WITH SLOTS; 2008 INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY; 2008 10.1109/MMET.2008.4581019
				10. Doroshenko VA, Kravchenko VF. Unsteady diffraction by a nonclosed cone. Dokl Phys [Internet]. 2001;46(5):331-5. Available from: www.scopus.com	Doroshenko, Vladimir A.; Analytical and numerical method for solving model problems of slotted cone antenna impulse excitation; 2007 6TH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, PROCEEDINGS; 2007 10.1109/ICATT.2007.4425160
				11. Doroshenko VA, Evsyukov EK, Kravchenko VF. Excitation of a conical slot antenna. J Commun Technol Electron [Internet]. 2001;46(8):879-85. Available from: www.scopus.com	Doroshenko, Vladimir A.; Electromagnetic wave diffraction on a resistive cone with longitudinal slots; MMET 2006: 11th International Conference on Mathematical Methods in Electromagnetic Theory, Conference Proceedings; 2006

			12. Doroshenko VA. Solving the wave equation for a slotted cone placed on an impedance plane. Telecommun Radio Eng [Internet]. 2001;56(6-7):54-61. Available from: www.scopus.com	Doroshenko, V. A.; Simulation of impulse exciting a slotted cone antenna; ULTRAWIDEBAND AND ULTRASHORT IMPULSE SIGNALS, PROCEEDINGS; 2006 10.1109/UWBUS.2006.307238
			13. Doroshenko VA, Kravchenko VF. Nonstationary diffraction on an unclosed cone. Dokl Akad Nauk [Internet]. 2001;378(2):183-7. Available from: www.scopus.com	Semenova, E; Doroshenko, V; Scattering on the coaxial slotted cones; 5th International Conference on Antenna Theory and Techniques, Proceedings; 2005 10.1109/ICATT.2005.1496908
			14. Doroshenko VA, Kravchenko VF. The scattering of plane electromagnetic waves from a cone with longitudinal slots. Radiotekh Elektron [Internet]. 2001;46(3):296-303. Available from: www.scopus.com	Doroshenko, V; Integral transforms in time-domain problems for unclosed conical surfaces; 10TH INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, CONFERENCE PROCEEDINGS; 2004 10.1109/MMET.2004.1397024
			15. Doroshenko VA, Evsyukov EK, Kravchenko VF. Excitation of a conical slot antenna. Radiotekh Elektron [Internet]. 2001;46(8):954-60. Available from: www.scopus.com	Doroshenko, V; Almakaev, E; Electromagnetic wave scattering on irregular imperfectly conducting structures; 10TH INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, CONFERENCE PROCEEDINGS; 2004 10.1109/MMET.2004.1397126
			16. Doroshenko VA. Excitation of a slotted bicone by an impulse magnetic dipole. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 2002:2002. p. 192-4. Available from: www.scopus.com DOI: 10.1109/MMET.2002.1106858	Semenova, E; Doroshenko, V; Plane wave diffraction by a 3D special slotted cone; 10TH INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, CONFERENCE PROCEEDINGS; 2004 10.1109/MMET.2004.1397129

			17. Doroshenko VA, Semenova EK. Electromagnetic waves scattering on an unclosed cone with an isotropic one inside. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 2002;2002. p. 589-91. Available from: www.scopus.com DOI: 10.1109/MMET.2002.1107027	Doroshenko, VA; Kravchenko, VF; Paired sum equations and singular integral equations in electromagnetic scattering by open conical structures; DIFFERENTIAL EQUATIONS; 2003 39 10.1023/B:DIEQ.0000012694.32461.04
			18. Doroshenko VA, Kravchenko VF. Using singular integral equations for solving a problem of wave diffraction on grating consisting of impedance plane nonuniform strips. Dokl Akad Nauk [Internet]. 2002;383(2):189-94. Available from: www.scopus.com	Doroshenko, VA; Semenova, EK; Excitation of a modified slotted cone antenna; 2003 6TH INTERNATIONAL SYMPOSIUM ON ANTENNAS, PROPAGATION AND EM THEORY, PROCEEDINGS; 2003
			19. Doroshenko VA, Kravchenko VF. Application of singular integral equations for solving problems of wave diffraction on an array composed of irregular planar strips. Dokl Phys [Internet]. 2002;47(3):201-5. Available from: www.scopus.com	Doroshenko, VA; Semenova, EK; Almakaev, EY; Electromagnetic wave diffraction on a 3D complicated conical structure; CAOL '2003: PROCEEDINGS OF THE 1ST INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS, VOL 1; 2003
			20. Doroshenko VA. Singular integral equations in the problem of wave diffraction by a grating of imperfect flat irregular strips. Telecommun Radio Eng [Internet]. 2002;57(6-7):65-72. Available from: www.scopus.com	Doroshenko, VA; Semenova, EK; Plane electromagnetic wave diffraction on an unclosed cone structure; ICTON 2003: 5TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, VOL 1, PROCEEDINGS; 2003
			21. Doroshenko VA, Remayeva OA. Integral equations in the problem on longitudinal slot cone excitation. Telecommun Radio Eng [Internet]. 2002;57(2-3):1-8. Available from: www.scopus.com	Semenova, EK; Doroshenko, VA; Modeling of plane electromagnetic wave diffraction on a conical antenna; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003

			22. Doroshenko VA, Semenova EK. Electromagnetic wave diffraction by a longitudinally slotted cone. Telecommun Radio Eng [Internet]. 2002;58(3-4):82-92. Available from: www.scopus.com	Doroshenko, VA; Kravchenko, VF; Application of singular integral equations for solving problems of wave diffraction on an array composed of irregular planar strips; DOKLADY PHYSICS; 2002 47 10.1134/1.1467862
			23. Doroshenko VA. The Kontorovich-Lebedev transforms and the semi-inversion method in model excitation problems for a slotted conical antenna. In: 4th International Conference on Antenna Theory and Techniques, ICATT 2003 [Internet]; 20032003. p. 158-60. Available from: www.scopus.com DOI: 10.1109/ICATT.2003.1239174	Doroshenko, VA; Excitation of a slotted bicone by an impulse magnetic dipole; MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, CONFERENCE PROCEEDINGS, VOLS 1 AND 2; 2002
			24. Doroshenko VA, Semenova EK. Plane electromagnetic wave diffraction on an unclosed cone structure. In: International Conference on Transparent Optical Networks [Internet]; 20032003. p. 299-302. Available from: www.scopus.com DOI: 10.1109/ICTON.2003.1264639	Doroshenko, VA; Semenova, EK; Electromagnetic waves scattering on an unclosed cone with an isotropic one inside; MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, CONFERENCE PROCEEDINGS, VOLS 1 AND 2; 2002
			25. Semenova EK, Doroshenko VA. Modeling of plane electromagnetic wave diffraction on a conical antenna. In: 4th International Conference on Antenna Theory and Techniques, ICATT 2003 [Internet]; 20032003. p. 178-80. Available from: www.scopus.com DOI: 10.1109/ICATT.2003.1239180	Doroshenko, VA; Nonstationary excitation problem solution for a biconical structure consisting of an unclosed cone and isotropic one; 1998 INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, VOLS 1 AND 2; 1998
			26. Doroshenko VA, Semenova EK. Excitation of a modified slotted cone antenna. In: ISAPE 2003 - 2003 6th International Symposium on Antennas, Propagation and EM Theory, Proceedings [Internet]; 20032003. p. 27-9. Available from: www.scopus.com DOI:	

				10.1109/ISAPE.2003.1276619		
				27. Doroshenko VA, Semenova EK, Almakaev EY. Electromagnetic wave diffraction on a 3D complicated conical structure. In: Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL [Internet]; 2003;2003. p. 227-9. Available from: www.scopus.com DOI: 10.1109/CAOL.2003.1250565		
				28. Doroshenko VA, Kravchenko VF. Paired sum equations and singular integral equations in electromagnetic scattering by open conical structures. Differ Equ [Internet]. 2003;39(9):1271-6. Available from: www.scopus.com		
				29. Semenova EK, Doroshenko VA. Source field scattering on a cone with longitudinal slots. In: IEEE Antennas and Propagation Society, AP-S International Symposium (Digest) [Internet]; 2003;2003. p. 269-71. Available from: www.scopus.com		
				30. Doroshenko VA, Semenova EK. Field behaviour near the vertex of a cone with longitudinal slots. Telecommun Radio Eng [Internet]. 2003;60(1-2):38-44. Available from: www.scopus.com		
				31. Doroshenko VA, Semenova YK. Electromagnetic wave diffraction by a cone with longitudinal slots and a solid conic screen inside. Telecommun Radio Eng [Internet]. 2003;60(7-9):69-75. Available from: www.scopus.com		

				32. Doroshenko V. Integral transforms in time-domain problems for unclosed conical surfaces. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20042004. p. 318-20. Available from: www.scopus.com		
				33. Semenova E, Doroshenko V. Plane wave diffraction by a 3D special slotted cone. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20042004. p. 583-5. Available from: www.scopus.com		
				34. Doroshenko V, Almakaev E. Electromagnetic wave scattering on irregular imperfectly conducting structures. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20042004. p. 574-6. Available from: www.scopus.com		
				35. Drosenko VA. Plane wave diffraction on an unclosed bicone structure. Electromagn Volny Elektron Syst [Internet]. 2005;10(11-12):23-34. Available from: www.scopus.com		
				36. Semenova E, Doroshenko V. Scattering on the coaxial slotted cones. In: 5th International Conference on Antenna Theory and Techniques, 2005 [Internet]; 20052005. p. 152-5. Available from: www.scopus.com DOI: 10.1109/ICATT.2005.1496908		
				37. Doroshenko VA, Kravchenko VF, Pustovojt VI. Meler-fock transforms in time domain problems of diffraction on unclosed structures. Dokl Akad Nauk [Internet]. 2005;405(2):184-7. Available from: www.scopus.com		

				38. Doroshenko VA, Kravchenko VF, Pustovoit VI. Meler-fock transformations in problems of wave diffraction on unclosed structures in the time region. Dokl Phys [Internet]. 2005;50(11):560-4. Available from: www.scopus.com		
				39. Doroshenko VA. Complex periodical perfectly conducting cone structure excitation. Electromagn Volny Elektron Syst [Internet]. 2005;10(7):28-35. Available from: www.scopus.com		
				40. Doroshenko VA, Kravchenko VF, Pustovoit VI. Diffraction of electromagnetic waves on an imperfectly conducting conical structure of a particular shape. Dokl Phys [Internet]. 2006;51(10):529-33. Available from: www.scopus.com		
				41. Doroshenko VA. Simulation of impulse exciting a slotted cone antenna. In: UWBUSIS 2006 - 2006 3rd International Conference on Ultrawideband and Ultrashort Impulse Signals, Proceedings [Internet]; 20062006. p. 306-7. Available from: www.scopus.com DOI: 10.1109/UWBUS.2006.307238		
				42. Doroshenko VA. Electromagnetic wave diffraction on a resistive cone with longitudinal slots. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20062006. p. 510-2. Available from: www.scopus.com		
				43. Doroshenko VA. Wave scattering on a cone surface with the impedance-type boundary conditions. Telecommun Radio Eng [Internet]. 2006;65(5):387-97. Available from: www.scopus.com		

			44. Doroshenko VA, Semenova EK, Doroshenko YV, Ruzhytskaya SV. Diffraction of the plane electromagnetic wave on the structure incorporating two coaxial unclosed cones. Telecommun Radio Eng [Internet]. 2007;66(5):427-39. Available from: www.scopus.com		
			45. Doroshenko VA. Analytical and numerical method for solving model problems of slotted cone antenna impulse excitation. In: 2007 6th International Conference on Antenna Theory and Techniques, ICATT'07 [Internet]; 20072007. p. 211-3. Available from: www.scopus.com DOI: 10.1109/ICATT.2007.4425160		
			46. Semenova EK, Doroshenko VA. Electromagnetic excitation of PEC slotted cones by elementary radial dipoles - A semi-inversion analysis. IEEE Trans Antennas Propag [Internet]. 2008;56(7):1976-83. Available from: www.scopus.com		
			47. Doroshenko VA, Shimuk YD. Pulse electromagnetic field scattering on a cone surface with slots. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20082008. p. 432-4. Available from: www.scopus.com DOI: 10.1109/MMET.2008.4581019		
			48. Doroshenko VA, Shimuk YO. Simulation of transient wave scattering on the cone with longitudinal slots and an internal insert. Telecommun Radio Eng [Internet]. 2010;69(7):609-18. Available from: www.scopus.com		

			49. Doroshenko VA, Dzigora YA, Shimuk YD. Scattering of a point transient source field by a slot cone. Telecommun Radio Eng [Internet]. 2010;69(10):847-56. Available from: www.scopus.com		
			50. Doroshenko VA, Artjukh AV, Parhomenko VA. Electromagnetic waves diffraction on a system of open cones in time domain. In: Mathematical Methods in Electromagnetic Theory, MMET, Conference Proceedings [Internet]; 20102010Available from: www.scopus.com DOI: 10.1109/MMET.2010.5611354		
			51. Doroshenko VA, Blishun AP, Shimuk YD, Zuev NG. Singular integral equations method in mathematical modeling of specific open conical structure excitation. In: 8th International Conference on Antenna Theory and Techniques, ICATT'11 [Internet]; 20112011. p. 254-6. Available from: www.scopus.com DOI: 10.1109/ICATT.2011.6170753		
			52. Doroshenko VO, Strelnytskyi OO. Time domain Green's function for a semi-penetrable circular cone with longitudinal slots. In: International Conference on Mathematical Methods in Electromagnetic Theory, MMET [Internet]; 20142014. p. 79-82. Available from: www.scopus.com DOI: 10.1109/MMET.2014.6928724		
			53. Doroshenko VO, Strelnytskyi OO, Strelnytskyi OE. Experimental investigation of the cone antenna with a longitudinal slot. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20142014. p. 517-8. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959506		

				54. Doroshenko VA, Tytarenko AM, Strelnitsky AA. Performance of a half-transparent cone with an axial slot in the field of a radially oriented electric dipole. Telecommun Radio Eng [Internet]. 2014;73(16):1409-16. Available from: www.scopus.com		
				55. Doroshenko VO, Strelnytskyi OE, Strelnytskyi OO. Excitation of the slot conical antenna (theory and experiment). In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136861		
				56. Doroshenko VO, Strelnytskyi OE, Strelnytskyi OO. Experimental study of the properties of wideband antennas of special shape. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136860		
				57. Doroshenko VA, Ievleva SN, Klimova NP, Nechiporenko AS, Strelnitsky AA. Solution to the model problem of excitation of loaded conic slot antenna by method of singular integral equations. Telecommun Radio Eng [Internet]. 2016;75(20):1799-812. Available from: www.scopus.com		
ЕЛБІ	ФОЕТ	ОДАРЕНКО ЄВГЕН МИКОЛАЙОВ ИЧ	57	1. Odarenko EN, Shmat'ko AA. The effect of the static magnetic localized non-uniformity on the starting characteristics of the resonance O-type generators. Radiotekh Elektron [Internet]. 1992;37(5):901-9. Available from: www.scopus.com	26	Odarenko, Eugene N.; Shmat'ko, Alexander A.; Photonic Crystal and Bragg Waveguides for THz Electron Devices; 2016 IEEE 13TH INTERNATIONAL CONFERENCE ON LASER AND FIBER-OPTICAL NETWORKS MODELING (LFNM); 2016

			2. Odarenko EN, Shmat'ko AA. Nonlinear theory of the resonant oscillators with inclined magnetostatic field. Radiotekh Elektron [Internet]. 1993;38(9):1690-895. Available from: www.scopus.com	Odarenko, E. N.; Sashkova, Y. V.; Odarenko, E. N.; Shmat'ko, A. A.; Localized Field Enhancement in Slow-wave Modes of Modified Bragg Waveguide; 2017 5TH IEEE MICROWAVES, RADAR AND REMOTE SENSING SYMPOSIUM (MRRS); 2017
			3. Shmat'ko A, Odarenko E. Microwave oscillator - the orotron with the dc magnetic nonuniformity. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 1993. p. 28-9. Available from: www.scopus.com	Ivzhenko, Liubov; Odarenko, Eugene; Tarapov, Sergey I.; Mechanically Tunable Wire Medium Metamaterial in the Millimeter Wave Band; PROGRESS IN ELECTROMAGNETICS RESEARCH LETTERS; 2016 64 10.2528/PIERL16090903
			4. Odarenko EN, Shmat'ko AA. Nonlinear theory of O-type microwave oscillators with nonuniform dc magnetic field (2-D model). Radiotekh Elektron [Internet]. 1994;39(4):653-61. Available from: www.scopus.com	Yevtushenko, Dariia O.; Dukhopelnykov, Sergii V.; Odarenko, Eugene N.; Nosich, Alexander. I.; Diffraction Radiation of Electron Beam in the Presence of Dielectric Optical Nanowire Resonator; 2018 IEEE 17TH INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY (MMET); 2018
			5. Chursin VS, Odarenko EN, Shmat'ko AA. Theory of resonant relativistic oscillator with nonuniform focusing field. Int J Infrared Millim Waves [Internet]. 1996;17(7):1165-80. Available from: www.scopus.com	Dzyubenko, M. I.; Radionov, V. P.; Maslov, V. A.; Odarenko, E. N.; Plane Circular Gradient Grating that Combines the Functions of a Spherical Mirror and a Focusing Lens; 2017 5TH IEEE MICROWAVES, RADAR AND REMOTE SENSING SYMPOSIUM (MRRS); 2017
			6. Alexeyev VV, Odarenko YN, Shmat'ko AA. Theory of millimeter-wave band parametrically controlled oscillator. Telecommun Radio Eng [Internet]. 1997;51(11-12):179-82. Available from:	Shmat'ko, A. A.; Kazanko, A. B.; Mizernik, V. N.; Odarenko, E. N.; Yampol'skii, V. A.; Rokhmanova, T. N.; Mizernik, V. N.; Odarenko, E. N.; Yampol'skii, V. A.;

			www.scopus.com	Rokhmanova, T. N.; Extraordinary Reflection from Photonic Crystal with Metamaterials; 2016 8TH INTERNATIONAL CONFERENCE ON ULTRAWIDEBAND AND ULTRASHORT IMPULSE SIGNALS (UWBUSIS); 2016
			7. Odarenko EN, Chursin VS, Shmat'ko AA. Nonlinear two-dimensional theory of relativistic resonant O-type oscillators. Telecommun Radio Eng [Internet]. 1998;52(9):88-90. Available from: www.scopus.com	Shmat'ko, Alexandr A.; Kazanko, Alexandr V.; Mizernik, Victoriya N.; Odarenko, Eugene N.; Shevchenko, Nataliia G.; Surface Plasmon Polariton Resonances of Diffraction Metamaterial Grating; 2018 9TH INTERNATIONAL CONFERENCE ON ULTRAWIDEBAND AND ULTRASHORT IMPULSE SIGNALS (UWBUSIS); 2018
			8. Chursin V, Odarenko E, Shmat'ko A. Nonlinear theory of relativistic microwave electron devices. Math Methods Electromag Theory MMET Conf Proc [Internet]. 1998;1:249-51. Available from: www.scopus.com	Odarenko, E. N.; Sashkova, Y. V.; Odarenko, E. N.; Shmat'ko, A. A.; Shevchenko, N. G.; Analysis of Slow Wave Modes in Modified Photonic Crystal Waveguides Using the MPB Package; 2018 IEEE 17TH INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY (MMET); 2018
			9. Odarenko EN. The effect of beam current intensity on the performance of a rellativistic O-type microwave generator with magnetic focusing. Telecommun Radio Eng [Internet]. 1999;53(1):68-71. Available from: www.scopus.com	Dzyubenko, M. I.; Radionov, V. P.; Maslov, V. A.; Odarenko, E. N.; Simplified Modeling of Gradient Fragmented Metal Gratings of the Terahertz Range; 2018 IEEE 17TH INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY (MMET); 2018

			10. Odarenko EN, Shmat'ko AA. Planar traveling-wave amplifier of mm-wave band with different velocities of electron streams. In: 1999 9th International Crimean Microwave Conference: Microwave and Telecommunication Technology, CriMiCo 1999 - Conference Proceedings [Internet]; 19991999. p. 123-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.1999.815170	Shmat'ko, A. A.; Odarenko, E. N.; Mizernik, V. N.; Rokhmanova, T. N.; Bragg Reflection and Transmission of Light by One-Dimensional Gyrotropic Magnetophotonic Crystal; 2017 2ND IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION AND COMMUNICATION TECHNOLOGIES-2017 (AICT 2017); 2017
			11. Alexeev VV, Odarenko EN, Shmatko AA. Theory of the O-type resonant oscillator subject to powerful external high-frequency and parametric low-frequency forcing. Telecommun Radio Eng [Internet]. 1999;53(2):65-7. Available from: www.scopus.com	Sashkova, Y., V; Odarenko, E. N.; The Effect of Additional Layers Parameters on the Modified Bragg Waveguide Characteristics; 2017 IEEE INTERNATIONAL YOUNG SCIENTISTS FORUM ON APPLIED PHYSICS AND ENGINEERING (YSF); 2017
			12. Odarenko EN, Shevchenko NG. Effect of electron beam thickness upon the performance of a resonant type-O carcinotron with a tapered magnetostatic field. Telecommun Radio Eng [Internet]. 1999;53(11):67-72. Available from: www.scopus.com	Shmat'ko, A. A.; Mizernik, V. N.; Odarenko, E. N.; Yampol'skii, V. A.; Rokhmanova, T. N.; Galenko, A. Yu.; Dispersion Properties of a One-dimensional Anisotropic Magnetophotonic Crystal with a Gyrotropic Layer; 2016 IEEE 7TH INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS (CAOL); 2016
			13. Odarenko EN, Shmat'ko AA. Theory of the MM wave hybrid electron devices. In: 2000 10th International Crimean Microwave Conference "Microwave and Telecommunication Technology", CriMico 2000 [Internet]; 20002000. p. 171-2. Available from: www.scopus.com DOI: 10.1109/CRMICO.2000.1255891	Odarenko, Yevhen; Shmat'ko', Oleksandr; Novel THz Sources with Profiled Focusing Field and Photonic Crystal Electrodynamic Systems; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016

			14. Odarenko EN, Shmat'ko AA. Excitation of the nonlinear two-stage electron-wave system by external signal. In: CriMiCo 2001 - 11th International Conference [Internet]; 20012001. p. 195-6. Available from: www.scopus.com	Sashkova, Yana; Odarenko, Yevhen; Visualization of the Monochromatic Plane Wave Scattering by Multilayer Lens; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
			15. Odarenko EN, Shmat'ko AA. Forced oscillations in nonlinear electron-wave systems of O-type. Simulation and analysis. In: CriMiCo 2002 - 12th International Conference "Microwave and Telecommunication Technology", Conference Proceedings [Internet]; 20022002. p. 201-2. Available from: www.scopus.com DOI: 10.1109/CRMICO.2002.1137206	Odarenko, E. N.; Shmat'ko, A. A.; DOUBLE-MODE O-TYPE OSCILLATOR-AMPLIFIER WITH INCLINED FOCUSING FIELD; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
			16. Odarenko E, Shmat'ko A. Millimeter waves hybrid devices - Theory and simulation. In: 3rd IEEE International Vacuum Electronics Conference, IVEC 2002 [Internet]; 20022002. p. 137-8. Available from: www.scopus.com DOI: 10.1109/IVELEC.2002.999302	Odarenko, E. N.; Smat'ko, A. A.; Nonresonant O-type amplifier with inclined focusing field; KPBIMUKO 2007CRMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368669
			17. Veselov AA, Odarenko EN, Shmat'ko AA. Influence of local magnetic irregularity on output properties of synchronized MM-wave generator. In: CriMiCo 2002 - 12th International Conference "Microwave and Telecommunication Technology", Conference Proceedings [Internet]; 20022002. p. 203-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.2002.1137207	Odarenko, E. N.; Svich, V. A.; Smat'ko, A. A.; Wave beam scattering by thin lossy dielectric cylinder; KPBIMUKO 2007CRMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368792

			18. Odarenko E, Shmat'ko A, Tsvyk A. Orotron with magnetic nonuniformity - Advanced millimeter waves source. In: 3rd IEEE International Vacuum Electronics Conference, IVEC 2002 [Internet]; 20022002. p. 59-60. Available from: www.scopus.com DOI: 10.1109/IVELEC.2002.999260	Odarenko, E. N.; Smat'ko, A. A.; Millimeter waves multibeam frequency multiplier; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006
			19. Odarenko EN, Shmat'ko AA. Frequency multiplication in the hybrid O-type beam-wave system. In: 2003 13th International Crimean Conference "Microwave and Telecommunication Technology", CriMiCo 2003 - Conference Proceedings true [Internet]; 20032003. p. 284-5. Available from: www.scopus.com DOI: 10.1109/CRMICO.2003.158828	Odarenko, EN; Shmat'ko, AA; Hybrid Q-type frequency shifter with magnetic focusing field; 14th International Crimean Conference: Microwave & Telecommunication Technology, Conference Proceedings; 2004
			20. Odarenko EN, Shmat'ko AA. Hybrid O-type frequency shifter with magnetic focusing field. In: 2004 4th International Crimean Conference: Microwave and Telecommunication Technology - Conference Proceedings, CriMiCo'04 [Internet]; 20042004. p. 213-4. Available from: www.scopus.com	Odarenko, EN; Shmat'ko, AA; Forced oscillations in nonlinear electron-wave systems of O-type. Simulation and analysis; 12TH INTERNATIONAL CONFERENCE - MICROWAVE & TELECOMMUNICATION TECHNOLOGY, CONFERENCE PROCEEDINGS; 2002 10.1109/CRMICO.2002.1137206
			21. Ostrovskiy O, Odarenko E, Shmat'Ko A. Multilayer microwave absorber. In: 2004 4th International Crimean Conference: Microwave and Telecommunication Technology - Conference Proceedings, CriMiCo'04 [Internet]; 20042004. p. 553-4. Available from: www.scopus.com	Veselov, AA; Odarenko, EN; Shmat'ko, AA; Influence of local magnetic irregularity on output properties of synchronized mm-wave generator; 12TH INTERNATIONAL CONFERENCE - MICROWAVE & TELECOMMUNICATION TECHNOLOGY, CONFERENCE PROCEEDINGS; 2002 10.1109/CRMICO.2002.1137207

			22. Odarenko EN, Svich VA, Smat'ko AA. Wave beam scattering by thin lossy dielectric cylinder. In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 20072007. p. 934-5. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368792	Odarenko, EN; Shmat'ko, AA; Excitation of the nonlinear two-stage electron-wave system by external signal; 11TH INTERNATIONAL CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, CONFERENCE PROCEEDINGS; 2001 10.1109/CRMICO.2001.961524
			23. Odarenko EN, Svich VA, Smat'ko AA. Effect of the focusing field induction on the klinotron amplifier characteristics. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 196-7. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676348	Chursin, V; Odarenko, E; Shmat'ko, A; Nonlinear theory of relativistic microwave electron devices; 1998 INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, VOLS 1 AND 2; 1998
			24. Odarenko EN, Shmat'ko AA, Udintcev PV. Physical nature of the smith-purcell effect and its simulation. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 198-9. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676349	Chursin, VS; Odarenko, EN; Shmatko, AA; Theory of resonant relativistic oscillator with nonuniform focusing field; INTERNATIONAL JOURNAL OF INFRARED AND MILLIMETER WAVES; 1996 17 10.1007/BF02088902
			25. Odarenko EN, Svich VA, Smat'ko AA. Transformation of Gaussian beam polarization by metamaterial layer. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 567-8. Available from: www.scopus.com	ODARENKO, E; SHMATKO, A; RESONANT O-TYPE MILLIMETER-WAVE OSCILLATORS WITH THE INCLINED FOCUSING FIELD; INTERNATIONAL CONFERENCE ON MILLIMETER AND SUBMILLIMETER WAVES AND APPLICATIONS: CONFERENCE DIGEST; 1994 2250

			26. Odarenko EN, Shmat'ko AA, Udintcev PV. Subterahertz double-mode O-type oscillation source. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 169-70. Available from: www.scopus.com		SHMATKO, A; ODARENKO, E; MICROWAVE-OSCILLATOR - THE OROTRON WITH THE DC MAGNETIC NONUNIFORMITY; EIGHTEENTH INTERNATIONAL CONFERENCE ON INFRARED AND MILLIMETER WAVES: CONFERENCE DIGEST; 1993 2104
			27. Odarenko EN, Shmat'ko AA, Naklutskiy AS. Scattering of the polarized Gaussian beam on the metamaterial slab. In: Proceedings - 10th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2010 [Internet]; 20102010. p. 74-5. Available from: www.scopus.com DOI: 10.1109/LFNM.2010.5624243		
			28. Odarenko EN, Shmat'ko AA, Yudintcev PV, Vasilenko VM. Novel double-mode O-type source of coherent subterahertz radiation. In: Proceedings - 10th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM'2010, 2nd IEEE International Workshop on THz Radiation: Basic Research and Applications, TERA'2010 [Internet]; 20102010. p. 283-4. Available from: www.scopus.com DOI: 10.1109/TERA.2010.5619946		
			29. Odarenko EN, Shmat'ko AA, Yudintsev PV. Self-consistent theory of smith-purcell effect at harmonics of BWO frequency in the double-mode parametric oscillator. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 263-4. Available from: www.scopus.com		

			30. Odarenko EN, Svich VA, Shmat'ko AA. Scattering of the Gaussian beam by a metamaterial Slab. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 634-5. Available from: www.scopus.com		
			31. Odarenko EN, Shmatr'ko AA. Slow-wave PBG structures for terahertz electronics. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 275-6. Available from: www.scopus.com		
			32. Odarenko EN, Shmat'ko AA, Yudintsev PV. Dual band amplifier with subterahertz surface and bulk waves. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 306-7. Available from: www.scopus.com		
			33. Churyumov GI, Odarenko EN, Frolova TI, Starchevskiy YL, Gerasimov VP, Ivantsov VP, Ekezli AI. Effect of microwave pump power on characteristics nonelectrode sulfuric lamps. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 865-6. Available from: www.scopus.com		
			34. Odarenko EN, Shmat'Ko AA. Slow-wave regimes of the photonic crystal waveguides. In: Conference Proceedings - 11th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2011		

				[Internet]; 20112011 Available from: www.scopus.com DOI: 10.1109/LFNM.2011.6145048		
				35. Odarenko EN, Smat'Ko AA. Photonic crystal waveguides in O-type electron devices. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 213-4. Available from: www.scopus.com		
				36. Odarenko EN, Shmat'Ko AA. Enhancement of the interaction efficiency in O-type electronical devices with photonic crystal slow-wave systems. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 201-2. Available from: www.scopus.com		
				37. Panov MI, Shmat'Ko AA, Odarenko EN. Resonant phenomena in a periodic array of slits filled with a metamaterial. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 628-9. Available from: www.scopus.com		
				38. Odarenko EN, Shmat'Ko AA. Double-mode O-type oscillator-amplifier with inclined focusing field. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20142014. p. 183-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959347		

				39. Odarenko EN. Photonic crystal waveguide structures for terahertz band electronic devices. Telecommun Radio Eng [Internet]. 2015;74(3):221-30. Available from: www.scopus.com		
				40. Odarenko YN, Shmatko AA. Terahertz band double-frequency diffraction radiation oscillator with inclined focusing field. Telecommun Radio Eng [Internet]. 2015;74(4):319-35. Available from: www.scopus.com		
				41. Odarenko EN, Shmat'ko AA. Photonic crystal and Bragg waveguides for THz electron devices. In: Conference Proceedings - 2016 IEEE 13th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2016 [Internet]; 2016. p. 53-5. Available from: www.scopus.com DOI: 10.1109/LFNM.2016.7851228		
				42. Ivzhenko L, Odarenko E, Tarapov SI. Mechanically tunable wire medium metamaterial in the millimeter wave band. Prog Electromagn Res Lett [Internet]. 2016;64:93-8. Available from: www.scopus.com		
				43. Shmatko AA, Kazanko AV, Mizernik VN, Odarenko EN. Dispersion characteristics of stratified structures in the problem of wave diffraction by gratings of a metamaterial. Telecommun Radio Eng [Internet]. 2016;75(8):733-43. Available from: www.scopus.com		
				44. Odarenko Y, Shmat'Ko O. Novel THz sources with profiled focusing field and photonic crystal electrodynamic systems. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 2016. p. 345-7. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452054		

			45. Sashkova Y, Odarenko Y. Visualization of the monochromatic plane wave scattering by multilayer lens. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 2016. p. 348-50. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452055		
			46. Shmat'Ko AA, Mizernik VN, Odarenko EN, Yampol'Skii VA, Rokhmanova TN, Galenko AY. Dispersion properties of a one-dimensional anisotropic magnetophotonic crystal with a gyrotropic layer. In: Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL [Internet]; 2016. p. 123-5. Available from: www.scopus.com DOI: 10.1109/CAOL.2016.7851399		
			47. Shmat'Ko AA, Kazanko AB, Mizernik VN, Odarenko EN, Yampol'Skii VA, Rokhmanova TN, Odarenko EN, Yampol'Skii VA, Rokhmanova TN. Extraordinary reflection from photonic crystal with metamaterials. In: 2016 8th International Conference on Ultrawideband and Ultrashort Impulse Signals, UWBUSIS 2016 [Internet]; 2016. p. 160-2. Available from: www.scopus.com DOI: 10.1109/UWBUSIS.2016.7724177		
			48. Shmat'Ko A, Odarenko EN, Mizernik VN, Rokhmanova TN. Bragg reflection and transmission of light by one-dimensional gyrotropic magnetophotonic crystal. In: 2nd International Conference on Advanced Information and Communication Technologies, AICT 2017 - Proceedings [Internet]; 2017. p. 232-6. Available from: www.scopus.com DOI:		

				10.1109/AIACT.2017.8020108		
				49. Odarenko EN, Sashkova YV, Odarenko EN, Shmat'Ko AA. Localized field enhancement in slow-wave modes of modified Bragg waveguide. In: MRRS 2017 - 2017 IEEE Microwaves, Radar and Remote Sensing Symposium, Proceedings [Internet]; 20172017. p. 147-50. Available from: www.scopus.com DOI: 10.1109/MRRS.2017.8075049		
				50. Dzyubenko MI, Radionov VP, Maslov VA, Odarenko EN. Plane circular gradient grating that combines the functions of a spherical mirror and a focusing lens. In: MRRS 2017 - 2017 IEEE Microwaves, Radar and Remote Sensing Symposium, Proceedings [Internet]; 20172017. p. 139-42. Available from: www.scopus.com DOI: 10.1109/MRRS.2017.8075047		
				51. Sashkova YV, Odarenko EN. The effect of additional layers parameters on the modified Bragg waveguide characteristics. In: 2017 IEEE International Young Scientists Forum on Applied Physics and Engineering, YSF 2017 [Internet]; 20172017. p. 283-6. Available from: www.scopus.com DOI: 10.1109/YSF.2017.8126666		
				52. Sashkova YV, Odarenko YN. The modified bragg waveguide with additional layers. Telecommun Radio Eng [Internet]. 2018;77(6):489-500. Available from: www.scopus.com		

			53. Shmat'ko AA, Mizernik VN, Odarenko EN, Mizernik VN, Odarenko EN. Surface and bulk modes of magnetophotonic crystals. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 436-40. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336235		
			54. Dzyubenko MI, Radionov VP, Maslov VA, Odarenko EN. Simplified Modeling of Gradient Fragmented Metal Gratings of the Terahertz Range. In: International Conference on Mathematical Methods in Electromagnetic Theory, MMET [Internet]; 20182018. p. 258-61. Available from: www.scopus.com DOI: 10.1109/MMET.2018.8460438		
			55. Yevtushenko DO, Dukhopelnykov SV, Odarenko EN, Nosich AI. Diffraction Radiation of Electron Beam in the Presence of Dielectric Optical Nanowire Resonator. In: International Conference on Mathematical Methods in Electromagnetic Theory, MMET [Internet]; 20182018. p. 148-51. Available from: www.scopus.com DOI: 10.1109/MMET.2018.8460249		
			56. Odarenko EN, Sashkova YV, Odarenko EN, Shmatko AA, Shevchenko NG. Analysis of Slow Wave Modes in Modified Photonic Crystal Waveguides Using the MPB Package. In: International Conference on Mathematical Methods in Electromagnetic Theory, MMET [Internet]; 20182018. p. 164-7. Available from: www.scopus.com DOI: 10.1109/MMET.2018.8460468		

				57. Shmat'ko AA, Kazanko AV, Mizernik VN, Odarenko EN, Shevchenko NG. Surface Plasmon Polariton Resonances of Diffraction Metamaterial Grating. In: UWBUSIS 2018 - 2018 9th International Conference on Ultrawideband and Ultrashort Impulse Signals, Proceedings [Internet]; 2018. p. 190-3. Available from: www.scopus.com DOI: 10.1109/UWBUSIS.2018.8519999		
	Науков	ШИФРІН ЯКІВ	53	1. Shifrin YS. Statistical antenna theory. IEEE Antennas Propag Group Newsl [Internet]. 1973;15(3):17. Available from: www.scopus.com	11	Lekhovytskiy, David I.; Shifrin, Yakov S.; Statistical analysis of superresolving methods for direction-of-arrival estimation of noise radiation sources under finite size of training sample; SIGNAL PROCESSING; 2013 93 10.1016/j.sigpro.2013.03.008
	о	СОЛОМОНОВ				
	дослід	ИЧ				
	ний					
	центр					
	інтегро					
	ваних					
	інформ					
	аційни					
	х					
	радіоел					
	ектрон					
	них					
	систем					
	та					
	технол					
	огій					
				2. SHIFRIN YS, KORNIYENKO LG, BYCHKOV AA. SYNTHESIS OF DIFFERENCE RADIATION PATTERNS WITH DEEP DIPS IN SPECIFIED SECTORS IN THE PRESENCE OF FLUCTUATIONS IN CURRENT IN THE ANTENNA ARRAY ELEMENTS. RADIO ENG ELECTRON PHYS [Internet]. 1981;V 25(N 3):59-68. Available from:		Shifrin, YS; Luchaninov, AI; Microwave devices with the distributed nonlinearity; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003

				www.scopus.com	
				3. Shifrin KS, Shifrin YS, Mikulinskii IA. DIFFRACTION OF AN ELECTROMAGNETIC WAVE BY A SCREEN OF RANDOM SHAPE. Sov Tech Phys Lett [Internet]. 1984;10(1):28-9. Available from: www.scopus.com	Shifrin, Yakov S.; Pioneer Award: Statistical Antenna Theory: Formation and Extension; IEEE AEROSPACE AND ELECTRONIC SYSTEMS MAGAZINE; 2016 31 10.1109/MAES.2016.160032
				4. Shifrin YS, Borodavko YM. Statistics of the field of a linear antenna in the fresnel zone. Sov J Commun Technol Electron [Internet]. 1989;34(5):17-24. Available from: www.scopus.com	Kornienko, L. G.; Shifrin, Y. S.; POLARIZATION FIELD STRUCTURE OF RETRODIRECTIVE ANTENNA ARRAYS WITH PHASE FLUCTUATIONS OF THE ORTHOGONAL FIELD COMPONENTS; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
				5. Shifrin YS. Present status of statistical theory of antennas. Sov J Commun Technol Electron [Internet]. 1990;35(15):32-49. Available from: www.scopus.com	Shifrin, Ya. S.; Kyurkchan, A. G.; Yakov Naumovich Fel'd. Creative Development; JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS; 2012 57 10.1134/S1064226912090112
				6. Shifrin YS, Nazarenko VA. Random antenna arrays field in the fresnel zone. Radiotekh Elektron [Internet]. 1991;36(1):52-62. Available from: www.scopus.com	Shifrin, Y.; Ulyanov, Y.; Maksimova, N.; Field statistics of antenna arrays of equipment for remote sensing of the atmosphere; 14TH INTERNATIONAL SYMPOSIUM FOR THE ADVANCEMENT OF BOUNDARY LAYER REMOTE SENSING; 2008 1 10.1088/1755-1307/1/1/012037

			7. Shifrin YS, Tikhovsky VY. Computer modelling of slit-coupled microwave waveguide-cavity devices. In: IEE Conference Publication [Internet]; 1991. p. 141-3. Available from: www.scopus.com	Ulyanov, Y. N.; Maksimova, N. G.; Shifrin, Y. S.; Combined acousto-electromagnetic antennas for radioacoustic sounding of the atmosphere; 2007 6TH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, PROCEEDINGS; 2007 10.1109/ICATT.2007.4425206
			8. Shifrin YS, Nazarenko VA. Field of a random antenna array in the fresnel zone. Sov J Commun Technol Electron [Internet]. 1991;36(9):82-91. Available from: www.scopus.com	Shifrin, YS; Luchaninov, AI; Gavva, DS; Zhurbenko, VV; Excitation of wire structures with nonlinear characteristics of the surface impedance; 5th International Conference on Antenna Theory and Techniques, Proceedings; 2005 10.1109/ICATT.2005.1496909
			9. Shifrin YS, Luchaninov AI. The up-to-date state of the theory of antennas with nonlinear elements. Izv VUZ Radioelektron [Internet]. 1996;39(6):4-16. Available from: www.scopus.com	Shifrin, YS; Methodological fundamentals of engineering education; 14th International Crimean Conference: Microwave & Telecommunication Technology, Conference Proceedings; 2004
			10. Shifrin YS, Luchaninov AI, Shokalo VM, Shcherbina AA. Methods for increasing of large rectennas efficiency. Turk J Phys [Internet]. 1996;20(8):856-61. Available from: www.scopus.com	Shifrin, YS; Kornienko, LG; The state-of-the-art of the statistical theory of antenna arrays; 2003 6TH INTERNATIONAL SYMPOSIUM ON ANTENNAS, PROPAGATION AND EM THEORY, PROCEEDINGS; 2003
			11. Shifrin YS. State-of-the-art and applications of statistical antenna theory. In: IEE Conference Publication [Internet]; 1997. p. 1.216,1.220. Available from: www.scopus.com	SHIFRIN, YS; LUCHANINOV, AI; SHOKALO, VM; SHCHERBINA, AA; SPURIOUS RADIATION OF RECTENNA RECEIVING-RECTIFYING ELEMENTS; ELECTROMAGNETIC COMPATIBILITY 1994 - TWELFTH INTERNATIONAL WROCLAW SYMPOSIUM; 1994

				12. Shifrin YS, Borodavko YM. Field statistics of a focused linear antenna. Telecommun Radio Eng [Internet]. 1997;51(1):79-88. Available from: www.scopus.com		
				13. Shifrin YS. Statistical antenna theory: Theory foundations, state-of-the-art, basic applications. Telecommun Radio Eng [Internet]. 2001;55(6-7):1-67. Available from: www.scopus.com		
				14. Shifrin YS, Luchaninov AI, Shokalo VM, Konoval'tsev AA. Problem of wireless power transmission. Radiotekh [Internet]. 2001(6):43-7. Available from: www.scopus.com		
				15. Shifrin YS, Luchaninov AI. Microwave devices with the distributed nonlinearity. In: 4th International Conference on Antenna Theory and Techniques, ICATT 2003 [Internet]; 20032003. p. 81-6. Available from: www.scopus.com DOI: 10.1109/ICATT.2003.1239155		
				16. Shifrin YS, Kornienko LG. The state-of-the- Art of the statistical theory of antenna arrays. In: ISAPE 2003 - 2003 6th International Symposium on Antennas, Propagation and EM Theory, Proceedings [Internet]; 20032003. p. 176-81. Available from: www.scopus.com DOI: 10.1109/ISAPE.2003.1276657		
				17. Shifrin YS, Luchaninov AI, Posokhov AS. Structural model of antennas with nonlinear elements. Telecommun Radio Eng [Internet]. 2003;59(1-2):32-48. Available from: www.scopus.com		
				18. Shifrin JS. Methodological fundamentals of engineering education. In: 2004 4th International Crimean Conference: Microwave and Telecommunication Technology - Conference Proceedings, CriMiCo'04 [Internet]; 20042004. p. 55-		

				6. Available from: www.scopus.com		
				19. Shifrin Y, Kolchigin N. Chairmen's welcome. In: 2004 Second International Workshop, Ultrawideband and Ultrashort Impulse Signals Proceedings, UWBUSIS 2004 [Internet]; 2004. p. 4. Available from: www.scopus.com		
				20. Kolchigin N, Shifrin Y. Report on ultra-wideband and ultra-short impulse signals workshop 2004. IEEE Antennas Propag Mag [Internet]. 2005;47(1):193-6. Available from: www.scopus.com		
				21. Shifrin YS, Dubrovka FF. Welcome to ICATT '2005. 5th Int Conf Antenna Theory Techniques [Internet]. 2005;2005 Available from: www.scopus.com		
				22. Shifrin YS, Liepin UR. Microwave diagnostics in the presence of echo-signals. Electromagn Volny Elektron Syst [Internet]. 2005;10(9):36-9. Available from: www.scopus.com		
				23. Shifrin YS, Luchaninov AI, Gavva DS, Zhurbenko VV. Excitation of wire structures with nonlinear characteristics of the surface impedance. In: 5th International Conference on Antenna Theory and Techniques, 2005 [Internet]; 2005. p. 156-9. Available from: www.scopus.com DOI: 10.1109/ICATT.2005.1496909		

				24. Shifrin Y, Kolchigin N. Chairmen's welcome. UWBUSIS - Int Conf Ultrawideband Ultrashort Impulse Signals, Proc [Internet]. 2006:4. Available from: www.scopus.com		
				25. Shifrin YS, Kolchigin NN. Welcome to ICATT 2007. Int Conf Antenna Theory Tech , ICATT [Internet]. 2007:5. Available from: www.scopus.com		
				26. Luchaninov AI, Shifrin YS. Mathematical model of antenna with lumped nonlinear elements. Telecommun Radio Eng [Internet]. 2007;66(9):763-803. Available from: www.scopus.com		
				27. Shifrin YS, Liepin UR. Microwave diagnostic of PAA in the presence of echo-signals. Telecommun Radio Eng [Internet]. 2007;66(14):1247-53. Available from: www.scopus.com		
				28. Ulyanov YN, Maksimova NG, Shifrin YS. Combined acousto-electromagnetic antennas for radio acoustic sounding of the atmosphere. In: 2007 6th International Conference on Antenna Theory and Techniques, ICATT'07 [Internet]; 2007:2007. p. 344-7. Available from: www.scopus.com DOI: 10.1109/ICATT.2007.4425206		
				29. Shifrin YS, Liepin UR, Golovin GA. Experimental estimation and application of the matrix of radiators mutual coupling in PAA. Telecommun Radio Eng [Internet]. 2007;66(9):827-39. Available from: www.scopus.com		

				30. Shifrin YS, Ulyanov YN, Maksimova NG. On side radiation of antennas of the equipment for acoustic and radioacoustic sounding of the atmosphere. Telecommun Radio Eng [Internet]. 2007;66(18):1657-65. Available from: www.scopus.com		
				31. Shifrin YS, Liepin UR, Golovin GA. One method for compensation of failures of part of PAA channels. Telecommun Radio Eng [Internet]. 2007;66(9):805-16. Available from: www.scopus.com		
				32. Shifrin YS, Ulyanov YN, Maksimova NG. Field statistics of acoustic array of the equipment for remote sensing of the atmosphere. Telecommun Radio Eng [Internet]. 2008;67(4):293-308. Available from: www.scopus.com		
				33. Shifrin YS. On the field fluctuations in diffraction image of focusing systems. Telecommun Radio Eng [Internet]. 2008;67(20):1825-33. Available from: www.scopus.com		
				34. Shifrin YS, Zamyatin VI, Levagin GA. Statistical characteristics of radiation pattern of the ring antenna array. Telecommun Radio Eng [Internet]. 2008;67(20):1811-23. Available from: www.scopus.com		
				35. Shifrin YS, Nicolay N. Kolchigin. Chairmen' welcome. Int Conf Ultrawideband Ultrashot Impulse Signals, UWBUSIS [Internet]. 2008:4. Available from: www.scopus.com		
				36. Shifrin YS. On directivity of the self-focusing antenna. Telecommun Radio Eng [Internet]. 2009;68(4):277-88. Available from: www.scopus.com		

				37. Shifrin YS, Kolchigin NN. 2010 5th international conference on ultrawideband and ultrashort impulse signals, UWBUSIS'2010: Chairmen's welcome. Int Conf Ultrawideband Ultrashort Impulse Signals, UWBUSIS [Internet]. 2010;4. Available from: www.scopus.com		
				38. Shifrin YS. On the investigations of longdistance tropospheric propagation in ukraine. Telecommun Radio Eng [Internet]. 2011;70(10):857-71. Available from: www.scopus.com		
				39. Shifrin YS, Kravchenko VF. Antenna science atlantes. In: 8th International Conference on Antenna Theory and Techniques, ICATT'11 [Internet]; 20112011. p. 3-7. Available from: www.scopus.com DOI: 10.1109/ICATT.2011.6170704		
				40. Shifrin YS, Dubrovka FF. Welcome to ICATT'11. Int Conf Antenna Theory Tech , ICATT [Internet]. 2011 Available from: www.scopus.com		
				41. Shifrin YS, Ulianov YN, Vetrov VI, Misailov VL. Noise-protected antenna for a pulse acoustic atmospheric sounder. In: 8th International Conference on Antenna Theory and Techniques, ICATT'11 [Internet]; 20112011. p. 120-2. Available from: www.scopus.com DOI: 10.1109/ICATT.2011.6170724		
				42. Shifrin YS, Dolzhikov VV, Radchenko VY. Superdirectivity in the statistical antenna theory. Telecommun Radio Eng [Internet]. 2012;71(1):31-46. Available from: www.scopus.com		
				43. Shifrin YS, Kyurkchan AG. Yakov naumovich fel'd. creative development. J Commun Technol Electron [Internet]. 2012;57(9):959-63. Available from: www.scopus.com		

			44. Shifrin YS, Protsenko MB. Welcome to IX international conference on antenna theory and techniques: ICATT'13. Int Conf Antenna Theory Tech , ICATT [Internet]. 2013:6. Available from: www.scopus.com		
			45. Lekhovyt'skiy DI, Shifrin YS. Statistical analysis of "superresolving" methods for direction-of-arrival estimation of noise radiation sources under finite size of training sample. Signal Process [Internet]. 2013;93(12):3382-99. Available from: www.scopus.com		
			46. Lekhovyt'skiy DI, Shifrin YS, Atamanskiy DV. Rapidly convergent "superresolving" direction finders of noise radiation sources in adaptive arrays. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 2013:2013. p. 28-33. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650679		
			47. Shifrin YS. On history of occurrence of statistical antenna theory (SAT). peculiarities of SAT compared to usual antenna theory. Telecommun Radio Eng [Internet]. 2014;73(19):1689-711. Available from: www.scopus.com		
			48. Shifrin YS, Dolzhikov VV. Field statistics of the circular aperture antenna focused at the fresnel zone. part 2. fluctuation field characteristics. Telecommun Radio Eng [Internet]. 2014;73(18):1615-44. Available from: www.scopus.com		
			49. Shifrin YS, Dolzhikov VV. Field statistics of the circular aperture antenna focused at the fresnel zone. part 1. mean field characteristics. Telecommun Radio Eng [Internet]. 2014;73(17):1503-31. Available from:		

				www.scopus.com		
				50. Shifrin YS, Tokarsky PL. WELCOME TO: X ANNIVERSARY INTERNATIONAL CONFERENCE on ANTENNA THEORY and TECHNIQUES. Int Conf Antenna Theory Tech : Dedic Year Jubil Prof Yakov S Shifrin, ICATT - Proc [Internet]. 2015 Available from: www.scopus.com		
				51. Kornienko LG, Shifrin YS. Polarization field structure of retrodirective antenna arrays with phase fluctuations of the orthogonal field components. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 2015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136786		
				52. Shifrin YS, Dolzhikov VV. Field statistics of the circular aperture antenna focused at the fresnel zone. part 3. correlation field characteristics. Telecommun Radio Eng [Internet]. 2015;74(2):95-126. Available from: www.scopus.com		
				53. Shifrin YS. Pioneer award: Statistical antenna theory: Formation and extension. IEEE Aerosp Electron Syst Mag [Internet]. 2016;31(8):24-36. Available from: www.scopus.com		
ІК	ІМІ	БЕЗРУК ВАЛЕРІЙ МИХАЙЛОВИ Ч	51	1. Omelchenko VA, Balabanov VV, Bezruk VM, Goloborod'ko YN. Detection of changes in the random signal properties by spectral methods under the conditions of a priori uncertainty. Telecommun Radio Eng [Internet]. 1999;53(9-10):1-10. Available from:	23	Bezruk, Valeryi; Krivenko, Stanislav; Kryvenko, Liudmyla; The Pareto Chart of Caries Intensity Evaluation for Children with Allergic Diseases; 2015 SECOND INTERNATIONAL SCIENTIFIC-

			www.scopus.com	PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
			2. Bezruk VP. Methods of multicriterion information-system optimization. Telecommun Radio Eng [Internet]. 2001;55(8):52-60. Available from: www.scopus.com	Ivanenko, Stanislav; Bezruk, Valeriy; Methods of Detecting of Unknown Signals in Cognitive Radio Networks; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
			3. Bezruk VM. Recognition methods based on autoregression model of signals. Telecommun Radio Eng [Internet]. 2002;58(3-4):37-44. Available from: www.scopus.com	Shostak, N., V; Bezruk, V. M.; Astrakhantsev, A. A.; SELECTING THE PREFERRED ALGORITHM FOR THE EMBEDDING OF DIGITAL WATERMARKS INTO VIDEOFILES; RADIO ELECTRONICS COMPUTER SCIENCE CONTROL; 2018 10.15588/1607-3274-2018-3-18
			4. Bezruk V, Dragan Y, Ovsiak V, Sikora L, Soproniuk F. Algorithms in CAD systems, software and algorithms relations and investigation of them. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 7th International Conference, CADSM 2003 [Internet]; 2003. p. 517. Available from: www.scopus.com DOI: 10.1109/CADSM.2003.1255138	Bezruk, Valeriy; Krivenko, Stanislav; Kryvenko, Liudmyla; Salivary Lipid Peroxidation and Periodontal Status Detection in Ukrainian Atopic Children with Convolutional Neural Networks; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
			5. Omel'chenko VA, Balabanov VV, Bezruk BM. Multicriterion problem on detection of unknown random signals using the spectral method. Telecommun Radio Eng [Internet]. 2003;60(7-9):102-11. Available from: www.scopus.com	Bezruk, Valeriy; Fedorov, Oleksii; Nemeč, Zdenek; Detecting Unknown Signals in Radio Monitoring Systems; 2017 27TH INTERNATIONAL CONFERENCE RADIOELEKTRONIKA

					(RADIOELEKTRONIKA); 2017
				6. Bezruk VM, Golikov VS, Tikhonov VA. Recognition of random signals described by the autoregression model. Izv Vysshikh Uchebnykh Zavedenij Radioelektron [Internet]. 2004;47(4):59-65. Available from: www.scopus.com	Bezruk, Valeriy; Skorik, Julia; Vlasova, Viktoriya; Koltun, Yuriy; Kostromitsky, Andriy; Analytic Hierarchy Process for Choosing the Self-Organization Algorithm For Wireless Sensor Network; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
				7. Bezruk VM. Recognition of the predetermined random signals involving the unknown signals. In: IEEE CAMSAP 2005 - First International Workshop on Computational Advances in Multi-Sensor Adaptive Processing [Internet]; 20052005. p. 197-200. Available from: www.scopus.com DOI: 10.1109/CAMAP.2005.1574218	Bezruk, Valeriy; Khlopov, Grigoriy; Nemeč, Zdenek; Recognition of Unknown Meteorological Objects in Radar Probing; PROCEEDINGS OF ELMAR 2016 - 58TH INTERNATIONAL SYMPOSIUM ELMAR 2016; 2016
				8. Bezruk V. Methods of random signals recognition. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 246-7. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404509	Bezruk, Valeriy; A Method for Selection and Recognition of Statistically Defined Autoregressive Process; 2015 25TH INTERNATIONAL CONFERENCE RADIOELEKTRONIKA (RADIOELEKTRONIKA); 2015
				9. Bezruk V, Svid I, Korsun I. Methods of multicriteria optimization in telecommunication networks planning and controlling. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 381-3. Available	Bezruk, Valeriy; Skorik, Yulia; Multi-Criteria Choice of the Preferred Type of Mobile Phone by the Analytic Hierarchy Process; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE

			from: www.scopus.com DOI: 10.1109/TCSET.2006.4404558		AND TECHNOLOGY (PIC S&T 2015); 2015
			10. Bezruk V. Automated recognition of sleep stages by electroencephalograms. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 58. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297479		Bezruk, Valeriy; Jo, Minho; Chebotareva, Daria; Ivanenko, Stanislav; Multicriteria Optimization in Planning of Mobile Communication Networks; 2014 20TH INTERNATIONAL CONFERENCE ON MICROWAVES, RADAR, AND WIRELESS COMMUNICATION (MIKON); 2014
			11. Bezruk V, Rybalko D. Multicriteria optimization in telecommunication networks planning. In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 20072007. p. 338-40. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368739		Bezruk, Valeriy; Skoryk, Yulia; Choice of Preferred Telecommunications Means on the Basis of the Hierarchy Analysis Method; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
			12. Bezruk VM, Svyd IV, Korsun IV. Multicriterion optimization of management of the packet switching network. Telecommun Radio Eng [Internet]. 2008;67(1):23-32. Available from: www.scopus.com		Bezruk, Valeriy; Nikolaiev, Ihor; Infocommunication Technologies of Decision Support in Telemedicine; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
			13. Bezruk V, Chebotariova D. Multicriteria optimization of projects solutions using performance characteristics method when planning mobile communication networks. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 412-3. Available		Bezruk, Valeriy; Fedorov, Alexey; Recognition of Statistically Defined Signals Along With Unknown Signals; 2013 INTERNATIONAL SYMPOSIUM ON SIGNALS, CIRCUITS AND SYSTEMS (ISSCS); 2013

				from: www.scopus.com	
				14. Bezruk VM, Korsun IV. Mathematical model of mobile communication network traffic. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 349-50. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676410	Bezruk, Valery; Bukhanko, Alexander; Optimal project solution decision making in telecommunication systems using multicriteria optimization methods; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013
				15. Bezruk VM, Chebotaryova DV, Anishchenko AV. Automatic control of radio communication networks design. Telecommun Radio Eng [Internet]. 2009;68(5):429-44. Available from: www.scopus.com	Bezruk, Valeriy; Automated recognition of sleep stages by electroencephalograms; 2007 PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2007 10.1109/CADSM.2007.4297479
				16. Bezruk VM, Bondar IV. Planning of 3-d generation mobile communication networks. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 229-30. Available from: www.scopus.com	Bezruk, Valery; Rybalko, Dariy; Multicriteria optimization in telecommunication networks planning; KPBIMUKO 2007CRIMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007
				17. Valery B, Vyacheslav V. The analysis of the characteristics of routing protocols in IP networks. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference,	Bezruk, Valery; Methods of random signals recognition; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS;

			TCSET'2010 [Internet]; 20102010. p. 185. Available from: www.scopus.com		2006
			18. Bezruk V, Skorik Y. Optimization of speech codecs on set of indicators of quality. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 212. Available from: www.scopus.com		Bezruk, Valery; Svid, Iren; Korsun, Igor; Methods of multicriteria optimization in telecommunication networks planning and controlling; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006
			19. Dragan Y, Bezruk V, Medykovskyi M, Sikora L, Yavorskyi B. Invariance principles and system analysis of realization of physical laws symmetry for contemporary signal energodynamics. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 27. Available from: www.scopus.com		Bezruk, VM; Recognition of the predetermined random signals involving the unknown signals; IEEE CAMSAP 2005: First International Workshop on Computational Advances in Multi-Sensor Adaptive Processing; 2005
			20. Bezruk V, Belov E, Voitovych O, Netrobenko K, Tikhonov V, Rudnev G, Khlopov G, Khomenko S. Application of AR model for radar recognition of meteorological objects. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 93. Available from: www.scopus.com		Bezruk, VM; Golikov, VS; Tikhonov, VA; Identification of random signals described with self-regressive model; IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII RADIOELEKTRONIKA; 2004 47
			21. Bezruk VM, Belov EN, Voitovych OA, Rudnev GA, Khlopov GI, Homenko SI. Radar identification of clouds. In: 2010 International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter and		Bezruk, V; Dragan, Y; Ovsiak, V; Sikora, L; Soproniuk, F; Algorithms in CAD systems, software and algorithms relations and investigation of them; EXPERIENCE OF

			Submillimeter Waves, MSMW'2010 [Internet]; 20102010 Available from: www.scopus.com DOI: 10.1109/MSMW.2010.5546153		DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2003 10.1109/CADSM.2003.1255138
			22. Bezruk VM, Bukhanko OM. Control mode of network resources in multiservice telecommunication systems on basis of distributed system of agents. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 526-7. Available from: www.scopus.com		BEZRUK, VM; INTERNATIONAL-SYMPOSIUM ON PROBABILISTIC MODELS AND PROCESSING OF RANDOM SIGNALS AND FIELDS; IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII RADIOELEKTRONIKA; 1994 37
			23. Bezruk VM, Varich VV. Multi-criterion routing problem in multi-service communication networks using the composition of quality indicators. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 519-20. Available from: www.scopus.com		BEZRUK, VM; INTERNATIONAL-SYMPOSIUM ON PROBABILISTIC MODELS OF RANDOM-PROCESSES AND FIELDS; IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII RADIOELEKTRONIKA; 1993 36
			24. Valery B, Vyacheslav V. Multicriteria approach for choice routes. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 404. Available from: www.scopus.com		
			25. Bezruk VM, Chebotareova DV. Models of the traffic in mobile communication network. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 255. Available from: www.scopus.com		

			26. Bezruk VM, Belov YN, Voitovich OA, Netrobenko KA, Tikhonov VA, Rudnev GA, Khlopov GI, Khomenko SI. Radar recognition of meteorological objects. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 1035-6. Available from: www.scopus.com		
			27. Bezruk VM, Tykhonov VA, Kudriavtseva NV. Clutter suppression using additive linear prediction filters. Telecommun Radio Eng [Internet]. 2013;72(9):819-28. Available from: www.scopus.com		
			28. Bezruk V, Bukhanko A. Optimal project solution decision making in telecommunication systems using multicriteria optimization methods. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 20132013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673210		
			29. Bezruk V, Fedorov A. Recognition of statistically defined signals along with unknown signals. In: ISSCS 2013 - International Symposium on Signals, Circuits and Systems [Internet]; 20132013 Available from: www.scopus.com DOI: 10.1109/ISSCS.2013.6651223		
			30. Bezruk VM. Methods of random signals recognition in infocommunication. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 442-3. Available from: www.scopus.com		

			31. Bezruk VM, Chebotaryova DV. Multicriteria optimization of design variants when planning of mobile telecommunications networks. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 494-5. Available from: www.scopus.com		
			32. Bezruk VM, Bukhanko AN. Required quality of service provision based on the resilient telecommunication topologies. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 422-3. Available from: www.scopus.com		
			33. Ivanenko SA, Bezruk VM. Planning and optimization of networks 4G. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 500-1. Available from: www.scopus.com		
			34. Bezruk VM, Bukhan'Ko AN. Multicriteria optimization application within decisions making in infocommunication networks. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 418-9. Available from: www.scopus.com		
			35. Bezruk V, Jo M, Chebotareva D, Ivanenko S. Multicriteria optimization in planning of mobile communication networks. In: 2014 20th International Conference on Microwaves, Radar and Wireless Communications, MIKON 2014 [Internet];		

				20142014Available from: www.scopus.com DOI: 10.1109/MIKON.2014.6899974		
				36. Bezruk V, Skoryk Y. Choice of preferred telecommunications means on the basis of the hierarchy analysis method. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 31-3. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992289		
				37. Bezruk V, Nikolaiev I. Infocommunication technologies of decision support in telemedicine. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 96-8. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992312		
				38. Bezruk V. A method for selection and recognition of statistically defined autoregressive process. In: Proceedings of 25th International Conference Radioelektronika, RADIOELEKTRONIKA 2015 [Internet]; 20152015. p. 229-31. Available from: www.scopus.com DOI: 10.1109/RADIOELEK.2015.7129017		
				39. Bezruk VM, Chebotaryova DV. Optimal decision making when planning mobile communication networks taking into account a set of quality factors. Telecommun Radio Eng [Internet]. 2015;74(18):1635-49. Available from: www.scopus.com		

			40. Tikhonov VA, Bezruk VM, Netrobenko KV, Fil' IO. Use of high-order statistics in non-gaussian process recognition from linear prediction models. Telecommun Radio Eng [Internet]. 2015;74(5):373-81. Available from: www.scopus.com		
			41. Bezruk V, Skorik Y. Multi-criteria choice of the preferred type of mobile phone by the analytic hierarchy process. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 108-9. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357284		
			42. Bezruk V, Krivenko S, Kryvenko L. The Pareto chart of caries intensity evaluation for children with allergic diseases. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 110-1. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357285		
			43. Bezruk V, Zelenin A, Vlasova V, Skorik J, Koltun Y. Selection of preferred routing protocols of wireless sensor and actuator network nodes. East -Eur J Enterp Technol [Internet]. 2016;1(9):4-9. Available from: www.scopus.com		
			44. Bezruk V, Skorik Y. Multi-criteria selection of optimum means of telecommunications. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 624-6. Available from: www.scopus.com		

				DOI: 10.1109/TCSET.2016.7452134		
				45. Bezruk V, Khlopov G, Němec Z. Recognition of unknown meteorological objects in radar probing. In: Proceedings Elmar - International Symposium Electronics in Marine [Internet]; 2016. p. 137-40. Available from: www.scopus.com DOI: 10.1109/ELMAR.2016.7731772		
				46. Ivanenko S, Bezruk V. Methods of detecting of unknown signals in cognitive radio networks. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 2017. p. 199-200. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905380		
				47. Bezruk V, Skorik J, Vlasova V, Koltun Y, Kostromitsky A. Analytic hierarchy process for choosing the self-organization algorithm for wireless sensor network. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 2017. p. 189-91. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905377		
				48. Bezruk V, Fedorov O, Nemeč Z. Detecting unknown signals in radio monitoring systems. In: 2017 27th International Conference Radioelektronika, RADIOELEKTRONIKA 2017 [Internet]; 2017. Available from: www.scopus.com DOI:		

				10.1109/RADIOELEK.2017.7937604		
				49. Bezruk V, Krivenko S, Kryvenko L. Salivary lipid peroxidation and periodontal status detection in ukrainian atopic children with convolutional neural networks. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 2018. p. 122-4. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246364		
				50. Bezruk V, Khlopov G. Radar recognition of given and unknown meteorological objects. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018. p. 32-5. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336150		
				51. Bezruk V, Omelchenko A, Fedorov O, Mercorelli P, Hipólito JIN. Selection and recognition of statistically defined signals in learning systems. In: Proceedings: IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society [Internet]; 2018. p. 3211-6. Available from: www.scopus.com DOI: 10.1109/IECON.2018.8591321		
АКТ	ФІЗ	КОВАЛЕНКО ОЛЕНА МИКОЛАЇВН А	50	1. Miloslavskii VK, Yunakova ON, Kovalenko EN, Tsy-Lin S. Low-frequency optical spectrum of the ternary compounds CsCu ₂ I ₃ and CsAg ₂ I ₃ . Phys Solid State [Internet]. 1996;38(10):1643-6. Available from: www.scopus.com	20	Yunakova, O. N.; Miloslavskii, V. K.; Kovalenko, E. N.; Exciton Absorption Spectrum of Thin CsPbI ₃ and Cs ₄ PbI ₆ Films; OPTICS AND SPECTROSCOPY; 2012 112 10.1134/S0030400X12010249

			2. Miloslavskii VK, Kovalenko EN, Yunakova ON. Absorption spectrum and excitons in thin films of the solid electrolyte RbCu ₄ Cl ₃ I ₂ . Phys Solid State [Internet]. 1998;40(6):934-7. Available from: www.scopus.com	Yunakova, O. N.; Miloslavsky, V. K.; Kovalenko, E. N.; Electronic absorption spectrum of Cs ₂ ZnI ₄ thin films; OPTICS AND SPECTROSCOPY; 2008 104 10.1134/S0030400X08040115
			3. Miloslavskii VK, Kovalenko EN, Yunakova ON. Absorption spectra and excitons in the CsCu ₂ Cl ₃ -xxI _x (x=0,1,2,3) compounds. Optika i Spektroskopiya [Internet]. 1998;84(6):940-4. Available from: www.scopus.com	Yunakova, O. N.; Miloslavskii, V. K.; Kovalenko, E. N.; Ksenofontova, E. V.; The absorption spectra of thin films of ternary compounds in the RbI-PbI ₂ system; LOW TEMPERATURE PHYSICS; 2012 38 10.1063/1.4758777
			4. Miloslavskii VK, Kovalenko EN, Yunakova ON. Absorption spectra and excitons in the CsCu ₂ Cl ₃ -xI _x (x = 0, 1, 2, 3) compounds. Opt Spectrosc [Internet]. 1998;84(6):851-5. Available from: www.scopus.com	Yunakova, O. N.; Miloslavsky, V. K.; Kovalenko, E. N.; The exciton absorption spectrum of KPbI ₃ thin films; OPTICS AND SPECTROSCOPY; 2014 116 10.1134/S0030400X1401024X
			5. Yunakova ON, Miloslavskii VK, Kovalenko EN. The absorption spectrum and excitons in an Ag ₂ CdI ₄ ionic conductor. Phys Solid State [Internet]. 2001;43(9):1072-6. Available from: www.scopus.com	Kovalenko, V. V.; Kovalenko, E. N.; Yunakova, O. N.; Yunakov, N. N.; Exciton absorption spectra of KPb ₂ Br ₅ thin films; FUNCTIONAL MATERIALS; 2016 23 10.15407/fm23.04.570
			6. Yunakova ON, Miloslavskii VK, Kovalenko EN. The excitonic absorption spectrum of thin Ag ₂ ZnI ₄ films. Phys Solid State [Internet]. 2002;44(1):48-51. Available from: www.scopus.com	Yunakova, O. N.; Miloslavsky, V. K.; Kovalenko, E. N.; Kovalenko, V. V.; Absorption spectrum of KPb ₂ Cl ₅ thin films; LOW TEMPERATURE PHYSICS; 2015 41 10.1063/1.4929770
			7. Yunakova ON, Miloslavsky VK, Kovalenko EN. Excitons in layered dielectrics ZnI ₂ and CdI ₂ :Zn. Fiz Nizk Temp [Internet]. 2002;28(4):406-13. Available from: www.scopus.com	Yunakova, O. N.; Miloslavsky, V. K.; Kovalenko, E. N.; Kovalenko, V. V.; Exciton absorption spectrum of Cs ₄ PbCl ₆ thin films; FUNCTIONAL MATERIALS; 2015 22 10.15407/fm22.02.175

			8. Yunakova ON, Miloslavsky VK, Kovalenko EN. Excitons in the layered insulators ZnI ₂ and CdI ₂ :Zn. Low Temp Phys [Internet]. 2002;28(4):284-9. Available from: www.scopus.com	Yunakova, O. N.; Miloslavsky, V. K.; Kovalenko, E. N.; Electronic absorption spectrum of solid solutions of the system RbI-AgI-CsI; LOW TEMPERATURE PHYSICS; 2006 32 10.1063/1.2370742
			9. Yunakova ON, Miloslavsky VK, Kovalenko EN. Exciton absorption spectra and phase transitions in thin films of the ferroelastics Cs ₂ CdI ₄ and Rb ₂ CdI ₄ . Fiz Nizk Temp [Internet]. 2003;29(8):922-9. Available from: www.scopus.com	Yunakova, O. N.; Yunakov, N. N.; Kovalenko, E. N.; Kovalenko, V. V.; The exciton absorption spectrum of thin CuPb ₃ Br ₇ superionic conductor films; LOW TEMPERATURE PHYSICS; 2016 42 10.1063/1.4963327
			10. Yunakova ON, Miloslavskii VK, Kovalenko EN. UV absorption spectra of thin films of Cs ₂ CdI ₄ and Rb ₂ CdI ₄ ferroelectrics. Phys Solid State [Internet]. 2003;45(5):932-7. Available from: www.scopus.com	Miloslavskii, V. K.; Yunakova, O. N.; Kovalenko, E. N.; Exciton Absorption Spectra of Cs ₂ CdI ₄ and Rb ₂ CdI ₄ Ferroelastic Solid Solutions; OPTICS AND SPECTROSCOPY; 2010 109 10.1134/S0030400X10120131
			11. Yunakova ON, Miloslavsky VK, Kovalenko EN. Excitonic absorption spectra and phase transitions in thin films of the ferroelastics Cs ₂ CdI ₄ and Rb ₂ CdI ₄ . Low Temp Phys [Internet]. 2003;29(8):691-6. Available from: www.scopus.com	Miloslavskii, V. K.; Yunakova, O. N.; Kovalenko, E. N.; Absorption spectra of thin films of the solid solutions Rb-2(Cd _{1-x} Zn _x)I-4; LOW TEMPERATURE PHYSICS; 2010 36 10.1063/1.3410479
			12. Miloslavskii VK, Yunakova ON, Kovalenko EN. The influence of phase transitions in the Rb ₂ CdI ₄ ferroelastic on the exciton absorption spectrum. Phys Solid State [Internet]. 2004;46(12):2281-5. Available from: www.scopus.com	Miloslavsky, V. K.; Yunakova, O. N.; Kovalenko, E. N.; Excitonic absorption spectrum of Rb ₂ ZnI ₄ thin films; LOW TEMPERATURE PHYSICS; 2008 34 10.1063/1.292018
			13. Yunakova ON, Miloslavskii VK, Kovalenko EN. Absorption spectrum of thin K ² CdI ⁴ films. Phys Solid State [Internet]. 2005;47(3):474-6. Available from: www.scopus.com	Miloslavsky, V. K.; Yunakova, O. N.; Kovalenko, E. N.; Optical absorption spectra in thin films of M ₂ Ag _{1-x} Cu _x I ₃ (M=K,Rb,Cs) solid solutions; LOW TEMPERATURE PHYSICS; 2007 33 10.1063/1.2746864

			14. Yunakova ON, Miloslavsky VK, Kovalenko EN. Influence of phase transitions on excitonic absorption spectrum K ₂ CdI ₄ . Fiz Nizk Temp [Internet]. 2005;31(2):222-5. Available from: www.scopus.com	Miloslavsky, V. K.; Yunakova, O. N.; Kovalenko, E. N.; Features of the absorption spectra of thin films of M ₂ Ag _{1-x} Cu _x I ₃ solid solutions (M = Rb, Cs); OPTICS AND SPECTROSCOPY; 2007 102 10.1134/S0030400X07030150
			15. Yunakova ON, Miloslavsky VK, Kovalenko EN. Influence of phase transitions on the excitonic absorption spectrum of K ₂ CdI ₄ . Low Temp Phys [Internet]. 2005;31(2):168-70. Available from: www.scopus.com	Yunakova, ON; Miloslavskii, VK; Kovalenko, EN; Effect of phase transitions on the exciton absorption spectrum of Rb _x K _{1-x} Ag ₄ I ₅ superionic conductors; OPTICS AND SPECTROSCOPY; 2005 99 10.1134/1.2149419
			16. Yunakova ON, Miloslavskii VK, Kovalenko EN. Effect of phase transitions on the exciton absorption spectrum of rb xK _{1-x} Ag ₄ i ₅ superionic conductors. Opt Spectrosc [Internet]. 2005;99(6):950-6. Available from: www.scopus.com	Yunakova, ON; Miloslavskii, VK; Kovalenko, EN; Absorption spectrum of thin K ₂ CdI ₄ films; PHYSICS OF THE SOLID STATE; 2005 47 10.1134/1.1884707
			17. Yunakova ON, Miloslavsky VK, Kovalenko EN. Effect of copper impurities on the absorption spectrum of thin films of superionic conductors MAg ₄ i ₅ (M = K, rb). Phys Solid State [Internet]. 2006;48(5):841-5. Available from: www.scopus.com	Miloslavsky, V. K.; Kovalenko, E. N.; Yunakova, O. N.; Yunakov, N. N.; Absorption spectrum of thin films of KPb ₂ (Cl _{1-x} Br _x)(5) solid solutions; LOW TEMPERATURE PHYSICS; 2017 43 10.1063/1.5008417
			18. Yunakova ON, Miloslavsky VK, Kovalenko EN. Electronic absorption spectrum of solid rbl-agl-csl solutions. Fiz Nizk Temp [Internet]. 2006;32(10):1267-74. Available from: www.scopus.com	Miloslavsky, V. K.; Yunakova, O. N.; Kovalenko, E. N.; Absorption spectra of thin layers of solid solutions Cs-2(Cd _{1-x} Zn _x)I-4; OPTICS AND SPECTROSCOPY; 2010 108 10.1134/S0030400X10040168
			19. Yunakova ON, Miloslavsky VK, Kovalenko EN. Electronic absorption spectrum of solid solutions of the system RbI-AgI-CsI. Low Temp Phys [Internet]. 2006;32(10):961-6. Available from: www.scopus.com	Yunakova, O. N.; Miloslavsky, V. K.; Kovalenko, E. N.; Electronic absorption spectrum of thin K ₂ ZnI ₄ films; OPTICS AND SPECTROSCOPY; 2008 105 10.1134/S0030400X0812014X

			20. Miloslavsky VK, Yunakova ON, Kovalenko EN. Features of the absorption spectra of thin films of M2Ag1 - XCuxI3solid solutions (M = rb, cs). Opt Spectrosc [Internet]. 2007;102(3):413-8. Available from: www.scopus.com		Yunakova, ON; Miloslavsky, VK; Kovalenko, EN; Influence of phase transitions on the excitonic absorption spectrum of K(2)Cdl(4); LOW TEMPERATURE PHYSICS; 2005 31 10.1063/1.1820569
			21. Miloslavsky VK, Yunakova ON, Kovalenko EN. The spectra optical absorption in thin films of M2Ag1-xCuxi3(M = K, rb, cs) solid solutions. Fiz Nizk Temp [Internet]. 2007;33(10):1136-42. Available from: www.scopus.com		
			22. Miloslavsky VK, Yunakova ON, Kovalenko EN. Optical absorption spectra in thin films of M2 Ag1-xcux I3 (M=K,rb,cs) solid solutions. Low Temp Phys [Internet]. 2007;33(10):864-8. Available from: www.scopus.com		
			23. Yunakova ON, Miloslavsky VK, Kovalenko EN. Electronic absorption spectrum of Cs2ZnI4 thin films. Opt Spectrosc [Internet]. 2008;104(4):552-7. Available from: www.scopus.com		
			24. Miloslavsky VK, Yunakova ON, Kovalenko EN. Excitonic absorption spectrum of Rb2ZnI4thin films. Fiz Nizk Temp [Internet]. 2008;34(6):599-604. Available from: www.scopus.com		
			25. Miloslavsky VK, Yunakova ON, Kovalenko EN. Excitonic absorption spectrum of Rb2ZnI4thin films. Low Temp Phys [Internet]. 2008;34(6):476-80. Available from: www.scopus.com		
			26. Yunakova ON, Miloslavsky VK, Kovalenko EN. Electronic absorption spectrum of thin K2ZnI4 films. Opt Spectrosc [Internet]. 2008;105(6):903-7. Available from: www.scopus.com		

			27. Miloslavsky VK, Yunakova ON, Kovalenko EN. Absorption spectra of thin films of $Rb_2(Cd_{1-x}Zn_x)I_4$ solid solutions. Fiz Nizk Temp [Internet]. 2009;36(4):418-22. Available from: www.scopus.com		
			28. Miloslavskii VK, Yunakova ON, Kovalenko EN. Absorption spectra of thin films of the solid solutions $Rb_2(Cd_{1-x}Zn_x)I_4$. Low Temp Phys [Internet]. 2010;36(4):329-32. Available from: www.scopus.com		
			29. Miloslavsky VK, Yunakova ON, Kovalenko EN. Absorption spectra of thin layers of solid solutions $Cs_2(Cd_{1-x}Zn_x)I_4$. Opt Spectrosc [Internet]. 2010;108(4):613-7. Available from: www.scopus.com		
			30. Yunakova ON, Miloslavsky VK, Kovalenko EN. Dispersion of refractive index in thin films CdI_2 and ZnI_2 . Funct Mater [Internet]. 2010;17(3):288-93. Available from: www.scopus.com		
			31. Miloslavskii VK, Yunakova ON, Kovalenko EN. Exciton absorption spectra of Cs_2CdI_4 and Rb_2CdI_4 ferroelastic solid solutions. Opt Spectrosc [Internet]. 2010;109(6):899-904. Available from: www.scopus.com		
			32. Yunakova ON, Miloslavskii VK, Kovalenko EN. Exciton absorption spectrum of thin $CsPbI_3$ and Cs_4PbI_6 films. Opt Spectrosc [Internet]. 2012;112(1):91-6. Available from: www.scopus.com		
			33. Yunakova ON, Miloslavskii VK, Kovalenko EN, Ksenofontova EV. Absorption spectra of thin films of triple compounds in the system $RbI-PbI_2$. Fiz Nizk Temp [Internet]. 2012;38(10):1191-6. Available from: www.scopus.com		

				34. Yunakova ON, Miloslavskii VK, Kovalenko EN, Ksenofontova EV. The absorption spectra of thin films of ternary compounds in the RbI-PbI ₂ system. Low Temp Phys [Internet]. 2012;38(10):943-7. Available from: www.scopus.com		
				35. Yunakova ON, Miloslavskii VK, Kovalenko EN. Exciton absorption spectrum of thin (KI) _{1-x} (PbI ₂) _x films. Funct Mater [Internet]. 2013;20(1):59-63. Available from: www.scopus.com		
				36. Yunakova ON, Miloslavsky VK, Kovalenko EN. The exciton absorption spectrum of KPbI ₃ thin films. Opt Spectrosc [Internet]. 2014;116(1):68-71. Available from: www.scopus.com		
				37. Yunakovaa ON, Miloslavsky VK, Kovalenko EN, Kovalenko VV. Effect of structural phase transitions on the exciton absorption spectrum of thin CsPbCl ₃ films. Low Temp Phys [Internet]. 2014;40(8):690-3. Available from: www.scopus.com		
				38. Yunakova ON, Miloslavskii VK, Kovalenko EN, Kovalenko VV. Influence of impurities on the absorption spectrum of thin Cs ₄ PbI ₆ films. Funct Mater [Internet]. 2014;21(3):313-7. Available from: www.scopus.com		
				39. Yunakova ON, Miloslavsky VK, Kovalenko EN, Kovalenko VV. The effect of structural phase transition of exciton absorption spectrum of thin CsPbCl ₃ films. Fiz Nizk Temp [Internet]. 2014;40(8):888-92. Available from: www.scopus.com		
				40. Yunakova ON, Miloslavsky VK, Kovalenko EN, Kovalenko VV. Absorption spectrum of KPb ₂ Cl ₅ thin films. Low Temp Phys [Internet]. 2015;41(8):645-8. Available from: www.scopus.com		

			41. Yunakova ON, Miloslavsky VK, Kovalenko EN, Kovalenko VV. Exciton absorption spectrum of Cs ₄ PbCl ₆ thin films. <i>Funct Mater</i> [Internet]. 2015;22(2):175-80. Available from: www.scopus.com		
			42. Yunakova ON, Miloslavsky VK, Kovalenko EN, Kovalenko VV. The absorption spectrum of KPb ₂ Cl ₅ thin films. <i>Fiz Nizk Temp</i> [Internet]. 2015;41(8):830-4. Available from: www.scopus.com		
			43. Kovalenko VV, Kovalenko EN, Yunakova ON, Yunakov NN. Exciton absorption spectra of KPb ₂ Br ₅ thin films. <i>Funct Mater</i> [Internet]. 2016;23(4):570-5. Available from: www.scopus.com		
			44. Yunakova ON, Yunakov NN, Kovalenko EN, Kovalenko VV. The exciton absorption spectrum of thin CuPb ₃ Br ₇ superionic conductor films. <i>Low Temp Phys</i> [Internet]. 2016;42(9):768-71. Available from: www.scopus.com		
			45. Yunakova ON, Yunakov NN, Kovalenko EN, Kovalenko VV. The exciton absorption spectrum of thin films of superionic conductor CuPb ₃ Br ₇ . <i>Fiz Nizk Temp</i> [Internet]. 2016;42(9):981-5. Available from: www.scopus.com		
			46. Miloslavsky VK, Kovalenko EN, Yunakova ON, Yunakov NN. Absorption spectrum of thin films of KPb ₂ (Cl _{1-x} Br _x) ₅ solid solutions. <i>Low Temp Phys</i> [Internet]. 2017;43(10):1222-5. Available from: www.scopus.com		
			47. Miloslavsky VK, Kovalenko EN, Yunakova ON, Yunakov NN. Absorption spectrum of thin films of KPb ₂ (Cl _{1-x} Br _x) ₅ solid solutions. <i>Fiz Nizk Temp</i> [Internet]. 2017;43(10):1532-6. Available from: www.scopus.com		

				48. Kovalenko EN, Yunakova ON, Yunakov NN. Effect of iodine impurity on the absorption spectrum and phase ransitions in CsPbCl ₃ thin films. <i>Funct Mater</i> [Internet]. 2018;25(2):218-24. Available from: www.scopus.com		
				49. Kovalenko EN, Yunakova ON, Yunakov NN. The exciton absorption spectrum of thin films of ternary compounds in the AgBr-PbBr ₂ system. <i>Low Temp Phys</i> [Internet]. 2018;44(8):856-9. Available from: www.scopus.com		
				50. Kovalenko EN, Yunakova ON, Yunakov NN. The exciton absorption spectrum of thin films of ternary compounds in the AgBr-PbBr ₂ system. <i>Fiz Nizk Temp</i> [Internet]. 2018;44(8):1095-9. Available from: www.scopus.com		
	Науков о-дослід на частин а	ЛЕХОВИЦЬК ИЙ ДАВІД ІСААКОВИЧ	48	1. Lekhovitskii DI, Tomilo OG. Integer methods for solution of systems of linear algebraic equations. <i>Izv Vyssh Uchebn Zaved Priborostr</i> [Internet]. 1982;25(9):41-6. Available from: www.scopus.com	16	Lekhovytskiy, David I.; Shifrin, Yakov S.; Statistical analysis of superresolving methods for direction-of-arrival estimation of noise radiation sources under finite size of training sample; <i>SIGNAL PROCESSING</i> ; 2013 93 10.1016/j.sigpro.2013.03.008
				2. Zaritskii VI, Kokin VN, Lekhovitskii DI, Salamatin VV. Recurrent adaptive processing algorithms under condition of central symmetry of space-time reception channels. <i>Radiophys Quantum Electron</i> [Internet]. 1985;28(7):592-8. Available from: www.scopus.com		Rachkov, Dmytro S.; Lekhovitskiy, David I.; Semeniaka, Andrii V.; Atamanskiy, Dmytro V.; Laurukevich, Uladzimir U.; Pushkov, Alexander A.; Estimation of Meteorological Objects Energy Spectra in Pulse Doppler Weather Radar; 2013 14TH INTERNATIONAL RADAR SYMPOSIUM (IRS), VOLS 1 AND 2; 2013
				3. Lekhovitskiy DI, Kokin VN, Rakov ID, Sverdlov VG. Features of the protection of receivers with a phased antenna array using system compensation. <i>Telecommun Radio Eng</i> [Internet]. 1988;43(1):9-12.		Lekhovytskiy, David I.; To the theory of adaptive signal processing in systems with centrally symmetric receive channels; <i>EURASIP JOURNAL ON ADVANCES IN</i>

			Available from: www.scopus.com	SIGNAL PROCESSING; 2016 10.1186/s13634-016-0329-z
			4. Lekhovitskiy DI, Rakov ID, Dankevich VM. Adaptive protection from interference in equidistant antenna arrays. Telecommun Radio Eng [Internet]. 1989;44(8):126-30. Available from: www.scopus.com	Lekhovytskiy, David I.; Semeniaka, Andrii V.; Rachkov, Dmytro S.; Statistical Analysis of Accuracy Estimation of the Continuous Energy Spectra in Pulse Doppler Weather Radars; 2017 18TH INTERNATIONAL RADAR SYMPOSIUM (IRS); 2017
			5. Lekhovitskiy DI, Sakhnovskiy EZ. Adaptive filter parameter adjustment rate for the case of quasiharmonic input signals. Sov J Commun Technol Electron [Internet]. 1989;34(15):11-8. Available from: www.scopus.com	Riabukha, V. P.; Lekhovyt'skiy, D. I.; Katiushyn, Y. A.; Semeniaka, A. V.; Choice of Number, Structure and Placement of Compensation Modules in the Radar with Planar PAA; 2017 XI INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2017
			6. Lekhovitskiy DI, Tabachnikov MI, Chipitsyn SI. Selection of the order of a linear prediction filter for stationary random processes with a gaussian correlation function. Telecommun Radio Eng [Internet]. 1990;45(5):74-8. Available from: www.scopus.com	Lekhovytskiy, D. I.; Atamanskiy, D. V.; Riabukha, V. P.; Rachkov, D. S.; Semeniaka, A. V.; COMBINING TARGET DETECTION AGAINST THE BACKGROUND OF JAMMING SIGNALS AND JAMMING SIGNAL DOA ESTIMATION; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
			7. Lekhovit'skii DI. Generalized levinson algorithm and universal lattice filters. Radiophys Quantum Electron [Internet]. 1992;35(9-10):509-20. Available from: www.scopus.com	Rachkov, Dmytro S.; Lekhovyt'skiy, David I.; Semeniaka, Andrii V.; Riabukha, Viacheslav P.; Statistical Analysis of Ground Clutter and Point Targets Impact on Accuracy of Weather Echoes Parameters Estimation; 2015 16TH INTERNATIONAL RADAR SYMPOSIUM

					(IRS); 2015
				8. Lekhovitskij DI, Milovanov SB, Rakov ID, Sverdlov BG. Universal adaptive lattice filters. adaptation with the given root from the estimate correlation matrix. Izv Vyssh Uchebn Zaved Ser Radiofiz [Internet]. 1992;35(11-12):969-92. Available from: www.scopus.com	Lekhovytskiy, David I.; Rachkov, Dmytro S.; Semeniaka, Andrii V.; K - rank Modification of Adaptive Lattice Filter Parameters; 2015 IEEE INTERNATIONAL RADAR CONFERENCE (RADARCON); 2015
				9. Lekhovitskii DI, Milovanov SB, Rakov ID, Sverdlov BG. Universal adaptive lattice filters. adaptation for a given root of the estimating correlation matrix. Radiophys Quantum Electron [Internet]. 1994;35(11-12):621-36. Available from: www.scopus.com	Rachkov, Dmytro S.; Lekhovytskiy, David I.; Lattice-Filter-Based Unified Structure of System for Interperiod Processing of Weather Radar Signals; 2015 IEEE INTERNATIONAL RADAR CONFERENCE (RADARCON); 2015
				10. Bondarenko MF, Lekhovitsky DI. Combined direction finders of point noise radiation sources in AA based on adaptive lattice filters. In: IEEE CAMSAP 2005 - First International Workshop on Computational Advances in Multi-Sensor Adaptive Processing [Internet]; 20052005. p. 213-6. Available from: www.scopus.com DOI: 10.1109/CAMAP.2005.1574222	Semeniaka, Andrii V.; Lekhovytskiy, David I.; Rachkov, Dmytro S.; The Systolic Design of Two-dimensional and Multidimensional Lattice Filters for Space-Time Signal Processing; 2014 11TH EUROPEAN RADAR CONFERENCE (EURAD); 2014
				11. Bondarenko MF, Lekhovitsky DI. Choice of learning sample size in adaptive detectors of signals against a background of gaussian interference. In: IEEE CAMSAP 2005 - First International Workshop on Computational Advances in Multi-Sensor Adaptive Processing [Internet]; 20052005. p. 217-20. Available from: www.scopus.com DOI: 10.1109/CAMAP.2005.1574223	Rachkov, Dmytro S.; Lekhovytskiy, David I.; Semeniaka, Andrii V.; Statistical Analysis of Meteorological Echoes Mean Power Estimate; 2014 IEEE MICROWAVES, RADAR AND REMOTE SENSING SYMPOSIUM (MRRS); 2014

			12. Lekhovitsky DI, Atamansky DV, Djus VV. Combined direction finders of dot noise radiation sources in PAA based on adaptive lattice filters. In: 5th International Conference on Antenna Theory and Techniques, 2005 [Internet]; 20052005. p. 95-8. Available from: www.scopus.com DOI: 10.1109/ICATT.2005.1496891	Lekhovytskiy, David I.; Rachkov, Dmytro S.; Semeniaka, Andrii V.; Atamanskiy, Dmytro V.; Riabukha, Viacheslav P.; Quasioptimal Algorithms for Batch Coherent Signals Interperiod Processing Against Background Clutter; 2014 15TH INTERNATIONAL RADAR SYMPOSIUM (IRS); 2014
			13. Lekhovyt'skiy DI, Zhuga GA, Vovshin BM, Lavrukevich VV. Special features of interperiod signal processing at the clutter background in noncoherent pulsed radars. In: Proceedings International Radar Symposium [Internet]; 20072007 Available from: www.scopus.com	Rachkov, Dmytro S.; Lekhovyt'skiy, David I.; Semeniaka, Andrii V.; Riabukha, Viacheslav P.; Atamanskiy, Dmytro V.; Lattice-Filter-Based Ground Clutter Canceller for Pulse Doppler Weather Radar; 2014 15TH INTERNATIONAL RADAR SYMPOSIUM (IRS); 2014
			14. Lekhovyt'skiy D, Ryabykha V, Zarytskiy V, Zhuga G, Rachkov D, Semenyaka A. Adaptive lattice filters for band-inverse covariance matrix approximations. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 338. Available from: www.scopus.com	Rachkov, Dmytro S.; Lekhovyt'skiy, David I.; Semeniaka, Andrii V.; Vovshin, Boris M.; Laurukevich, Uladzimir U.; Lattice Implementation of Superresolving Methods for Meteorological Objects Spectra Estimation; 2014 15TH INTERNATIONAL RADAR SYMPOSIUM (IRS); 2014
			15. Lekhovyt'skiy DI, Abramovich YI, Dokhov OI, Zarytskiyi VI, Zhuga GA, Rachkov DS. Band-diagonal regularization of Gaussian interference covariance matrices ML estimates. In: 2010 IEEE Sensor Array and Multichannel Signal Processing Workshop, SAM 2010 [Internet]; 20102010. p. 141-4. Available from: www.scopus.com DOI: 10.1109/SAM.2010.5606721	Semeniaka, Andrii V.; Lekhovyt'skiy, David I.; Rachkov, Dmytro S.; The Systolic Design of Two-dimensional and Multidimensional Lattice Filters for Space-Time Signal Processing; 2014 44TH EUROPEAN MICROWAVE CONFERENCE (EUMC); 2014

			16. Rachkov DS, Semeniaka AV, Lekhovytskiy DI. Estimation of the meteorological formations parameters in pulsed doppler weather radars with arbitrary staggering of pulse repetition intervals. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 20112011 Available from: www.scopus.com DOI: 10.1117/12.905098		Rachkov, Dmytro S.; Semeniaka, Andrii V.; Lekhovytskiy, David I.; Estimation of the meteorological formations parameters in pulsed Doppler weather radars with arbitrary staggering of pulse repetition intervals; PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH-ENERGY PHYSICS EXPERIMENTS 2011; 2011 8008 10.1117/12.905098
			17. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Laurukevich UU, Pushkov AA. Statistical analysis of estimation accuracy of the meteorological formations parameters in pulsed Doppler weather radars with arbitrary staggering of pulse repetition intervals. In: International Radar Symposium, IRS 2011 - Proceedings [Internet]; 20112011. p. 273-8. Available from: www.scopus.com		
			18. Laurukevich U, Pushkov A, Vylegzhanin I, Vovshin B, Lekhovytskiy D, Rachkov D. Estimation of energy, spectral and polarimetric characteristics of meteorological echoes in DMRL-C. In: International Radar Symposium, IRS 2011 - Proceedings [Internet]; 20112011. p. 267-72. Available from: www.scopus.com		
			19. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Ryabukha VP, Atamanskiy DV. Spectral moment estimation of weather echoes in pulsed Doppler weather radars: Mean power. In: 2011 Microwaves, Radar and Remote Sensing Symposium, MRRS-2011 - Proceedings [Internet]; 20112011. p. 228-31. Available from: www.scopus.com DOI: 10.1109/MRRS.2011.6053642		

			20. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Ryabukha VP, Atamanskiy DV. Spectral moment estimation of weather echoes in pulsed Doppler weather radars: Spectrum width. In: 2011 Microwaves, Radar and Remote Sensing Symposium, MRRS-2011 - Proceedings [Internet]; 20112011. p. 236-9. Available from: www.scopus.com DOI: 10.1109/MRRS.2011.6053644		
			21. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Ryabukha VP, Atamanskiy DV. Spectral moment estimation of weather echoes in pulsed Doppler weather radars: Mean radial velocity. In: 2011 Microwaves, Radar and Remote Sensing Symposium, MRRS-2011 - Proceedings [Internet]; 20112011. p. 232-5. Available from: www.scopus.com DOI: 10.1109/MRRS.2011.6053643		
			22. Lekhovytskiy DI. Thirty years experience in development of adaptive lattice filters theory, techniques and testing in Kharkiv. In: 8th International Conference on Antenna Theory and Techniques, ICATT'11 [Internet]; 20112011. p. 51-6. Available from: www.scopus.com DOI: 10.1109/ICATT.2011.6170713		
			23. Semeniaka AV, Lekhovitkiy DI, Rachkov DS. Comparative analysis of Toeplitz covariance matrix estimation methods for space-time adaptive signal processing. In: Proceedings of 2011 IEEE CIE International Conference on Radar, RADAR 2011 [Internet]; 20112011. p. 696-9. Available from: www.scopus.com DOI: 10.1109/CIE-Radar.2011.6159636		

			24. Yanovsky FJ, Lekhovytskiy DI, Atamanskiy DV. Advanced algorithm of velocity measurement for modern meteorological radar. In: European Microwave Week 2012: "Space for Microwaves", EuMW 2012, Conference Proceedings - 9th European Radar Conference, EuRAD 2012 [Internet]; 20122012. p. 134-7. Available from: www.scopus.com		
			25. Lekhovytskiy DI, Shifrin YS. Statistical analysis of "superresolving" methods for direction-of-arrival estimation of noise radiation sources under finite size of training sample. Signal Process [Internet]. 2013;93(12):3382-99. Available from: www.scopus.com		
			26. Lekhovytskiy DI, Shifrin YS, Atamanskiy DV. Rapidly convergent "superresolving" direction finders of noise radiation sources in adaptive arrays. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 20132013. p. 28-33. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650679		
			27. Rachkov DS, Semeniaka AV, Lekhovytskiy DI, Atamanskiy DV. Estimation of continuous energy spectra of random echoes in coherent pulse radar. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 20132013. p. 319-22. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650764		
			28. Rachkov DS, Lekhovytskiy DI, Semeniaka AV, Atamanskiy DV, Laurukevich UU, Pushkov AA. Estimation of meteorological objects energy spectra in pulse Doppler weather radar. In: Proceedings International Radar Symposium [Internet]; 20132013. p.		

				811-7.Available from: www.scopus.com		
				29. Semeniaka AV, Lekhovytskiy DI, Rachkov DS. The systolic design of two-dimensional and multidimensional lattice filters for space-time signal processing. In: European Microwave Week 2014: "Connecting the Future", EuMW 2014 - Conference Proceedings; EuRAD 2014: 11th European Radar Conference [Internet]; 20142014. p. 545-8.Available from: www.scopus.com DOI: 10.1109/EuRAD.2014.6991328		
				30. Semeniaka AV, Lekhovytskiy DI, Rachkov DS. The systolic design of two-dimensional and multidimensional lattice filters for space-time signal processing. In: European Microwave Week 2014: Connecting the Future, EuMW 2014 - Conference Proceedings; EuMC 2014: 44th European Microwave Conference [Internet]; 20142014. p. 1848-51.Available from: www.scopus.com DOI: 10.1109/EuMC.2014.6986820		
				31. Rachkov DS, Lekhovytskiy DI, Semeniaka AV. Statistical analysis of meteorological echoes mean power estimate. In: 2014 IEEE Microwaves, Radar and Remote Sensing Symposium, MRRS 2014 - Proceedings [Internet]; 20142014. p. 22-5.Available from: www.scopus.com DOI: 10.1109/MRRS.2014.6956656		

			32. Rachkov DS, Lekhovytskiy DI, Semeniaka AV, Riabukha VP, Atamanskiy DV. Lattice-filter-based ground clutter canceller for pulse Doppler weather radar. In: Proceedings International Radar Symposium [Internet]; 20142014Available from: www.scopus.com DOI: 10.1109/IRS.2014.6869251		
			33. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Atamanskiy DV, Riabukha VP. Quasioptimal algorithms for batch coherent signals interperiod processing against background clutter. In: Proceedings International Radar Symposium [Internet]; 20142014Available from: www.scopus.com DOI: 10.1109/IRS.2014.6869195		
			34. Rachkov DS, Lekhovytskiy DI, Semeniaka AV, Vovshin BM, Laurukevich UU. Lattice implementation of 'superresolving' methods for meteorological objects spectra estimation. In: Proceedings International Radar Symposium [Internet]; 20142014Available from: www.scopus.com DOI: 10.1109/IRS.2014.6869229		
			35. Rachkov DS, Lekhovytskiy DI. Lattice-filter-based unified structure of system for interperiod processing of weather radar signals. In: IEEE National Radar Conference - Proceedings [Internet]; 20152015. p. 1234-9.Available from: www.scopus.com DOI: 10.1109/RADAR.2015.7131183		
			36. Lekhovytskiy DI, Rachkov DS, Semeniaka AV. K - Rank modification of adaptive lattice filter parameters. In: IEEE National Radar Conference - Proceedings [Internet]; 20152015. p. 127-32.Available from: www.scopus.com DOI: 10.1109/RADAR.2015.7130983		

			37. Lekhovytskiy DI, Atamanskiy DV, Riabukha VP, Rachkov DS, Semeniaka AV. Combining target detection against the background of jamming signals and jamming signal DOA estimation. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 2015. Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136777		
			38. Rachkov DS, Lekhovytskiy DI, Semeniaka AV, Riabukha VP. Statistical analysis of ground clutter and point targets impact on accuracy of weather echoes parameters estimation. In: Proceedings International Radar Symposium [Internet]; 2015. p. 604-9. Available from: www.scopus.com DOI: 10.1109/IRS.2015.7226400		
			39. Lekhovytskiy DI, Atamanskiy DV, Rachkov DS, Semeniaka AV. Improvement of accuracy of meteorological objects velocity unambiguous measurement in doppler weather radars with staggered pulse repetition times. Radioelectron Commun Syst [Internet]. 2015;58(9):385-403. Available from: www.scopus.com		
			40. Lekhovytskiy DI, Atamanskiy DV, Rachkov DS, Semeniaka AV. Estimation of the energy spectrums of reflections in pulse doppler weather radars. part 1. modifications of the spectral estimation algorithms. Radioelectron Commun Syst [Internet]. 2015;58(12):523-50. Available from: www.scopus.com		

			41. Lekhovytskiy DI, Atamanskiy DV, Rachkov DS, Semeniaka AV. Estimation of the energy spectrums of reflections in pulse doppler weather radars. part 2. extreme performance. Radioelectron Commun Syst [Internet]. 2016;59(9):379-96. Available from: www.scopus.com		
			42. Lekhovytskiy DI. To the theory of adaptive signal processing in systems with centrally symmetric receive channels. Eurasip J Adv Sign Process [Internet]. 2016;2016(1) Available from: www.scopus.com		
			43. Lekhovytskiy DI, Atamanskiy DV, Rachkov DS, Semeniaka AV. Estimation of the energy spectrums of reflections in pulse doppler weather radars. part 3. statistical analysis of the reconstruction techniques of continuous spectrums of the reflections from meteorological objects. Radioelectron Commun Syst [Internet]. 2017;60(2):47-79. Available from: www.scopus.com		
			44. Riabukha VP, Lekhovytskiy DI, Katiushyn YA, Semeniaka AV. Choice of number, structure and placement of compensation modules in the radar with planar PAA. In: 2017 11th International Conference on Antenna Theory and Techniques, ICATT 2017 [Internet]; 20172017. p. 197-8. Available from: www.scopus.com DOI: 10.1109/ICATT.2017.7972620		
			45. Lekhovytskiy DI, Semeniaka AV, Rachkov DS. Statistical analysis of accuracy estimation of the continuous energy spectra in pulse Doppler weather radars. In: Proceedings International Radar Symposium [Internet]; 20172017 Available from: www.scopus.com DOI: 10.23919/IRS.2017.8008175		

				46. Riabukha VP, Lekhovitskiy DI, Semenyaka AV, Katyushin EA. An exploratory model of the hardware-software unit for adaptive digital time signal processing against the background of masking clutters. In: 2017 IEEE 1st Ukraine Conference on Electrical and Computer Engineering, UKRCON 2017 - Proceedings [Internet]; 2017. p. 55-8. Available from: www.scopus.com DOI: 10.1109/UKRCON.2017.8100458		
				47. Semeniaka AV, Lekhovytskiy DI, Atamanskiy DV. Adaptive performance of quasi-optimal inter-period processing systems. In: Proceedings International Radar Symposium [Internet]; 2018. Available from: www.scopus.com DOI: 10.23919/IRS.2018.8447908		
				48. Lekhovytskiy DI. Adaptive lattice filters for systems of space-time processing of non-stationary gaussian processes. Radioelectron Commun Syst [Internet]. 2018;61(11):477-514. Available from: www.scopus.com		
ІПТЗІ	МІРЕС	КАРТАШОВ ВОЛОДИМИР МИХАЙЛОВИ Ч	47	1. Kartashov VM. Radio signals scattered by an acoustic wave packet: Details of processing. Telecommun Radio Eng [Internet]. 1997;51(5):40-2. Available from: www.scopus.com	10	Murrieta-Rico, Fabian N.; Tchernykh, Andrei; Petranovskii, Vitalii; Raymond-Herrera, Oscar; Sergiyenko, Oleg; Flores-Fuentes, Wendy; Rodriguez-Quinonez, Julio C.; Hernandez-Balbuena, Daniel; Nieto Hipolito, Juan Ivan; Tyrsa, Vera; Kartashov, Vladimir M.; Rational Approximations Principle for Frequency Shifts Measurement in Frequency Domain Sensors; IECON 2015 - 41ST ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY; 2015

			2. Kartashov VM. Frequency adaptation of acoustic radars to noise conditions. Telecommun Radio Eng [Internet]. 1997;51(5):43-5. Available from: www.scopus.com	Sergiyenko, O. Yu; Ivanov, M. V.; Tyrsa, V. V.; Kartashov, V. M.; Rivas-Lopez, M.; Hernandez-Balbuena, D.; Flores-Fuentes, W.; Rodriguez-Quinonez, J. C.; Nieto-Hipolito, J. I.; Hernandez, W.; Tchernykh, A.; Data transferring model determination in robotic group; ROBOTICS AND AUTONOMOUS SYSTEMS; 2016 83 10.1016/j.robot.2016.04.003
			3. Petrov VA, Kartashev VM. Nonlinear effects in the propagation of intense acoustic waves in atmosphere sounding problems. Telecommun Radio Eng [Internet]. 1998;52(10):80-2. Available from: www.scopus.com	Avalos-Gonzalez, Daniel; Sergiyenko, Oleg; Hernandez-Balbuena, Daniel; Tyrsa, Vera; Kartashov, Vladimir; Rivas-Lopez, Moises; Rodriguez-Quinonez, Julio; Flores-Fuentes, Wendy; Murrieta-Rico, Fabian N.; Constraints definition and application optimization based on geometric analysis of the frequency measurement method by pulse coincidence; MEASUREMENT; 2018 126 10.1016/j.measurement.2018.05.025
			4. Kartashov VM, Petrov VA. Propagation of powerful acoustic beams radiated by atmospheric sounding systems. Telecommun Radio Eng [Internet]. 1999;53(7-8):30-3. Available from: www.scopus.com	Lindner, Lars; Sergiyenko, Oleg; Rivas-Lopez, Moises; Rodriguez-Quinonez, Julio C.; Hernandez-Balbuena, Daniel; Flores-Fuentes, Wendy; Tyrsa, Vera; Nieto Hipolito, Juan I.; Muerrieta-Rico, Fabian N.; Kartashov, Vladimir M.; Issues of exact laser ray positioning using DC motors for vision-based target detection; PROCEEDINGS 2016 IEEE 25TH INTERNATIONAL SYMPOSIUM ON INDUSTRIAL ELECTRONICS (ISIE); 2016

			5. Petrov VA, Kartashov VM. Analysis of a model physical structure of wave scattering in a turbulent atmosphere. Telecommun Radio Eng [Internet]. 1999;53(7-8):1-5. Available from: www.scopus.com	Kharchenko, O., I; Kartashov, V. M.; Digital Signal Extraction by Means of Nonlinear Stochastic Filtration; VISNYK NTUU KPI SERIIA-RADIOTEKHNIKA RADIOAPARATOBUDUVANNIA; 2018 10.20535/RADAP.2018.73.50-54
			6. Kartashov VM, Nagibin IB, Proshkin YG. Analysis of the acoustic sounding range with a quasi-continuous sounding radio signal. Telecommun Radio Eng [Internet]. 1999;53(7-8):19-23. Available from: www.scopus.com	Lindner, Lars; Sergiyenko, Oleg; Rivas-Lopez, Moises; Valdez-Salas, Benjamin; Rodriguez-Quinonez, Julio C.; Hernandez-Balbuena, Daniel; Flores-Fuentes, Wendy; Tyrsa, Vera; Barrera, Misael Medina; Muerrieta-Rico, Fabian N.; Mercorelli, Paolo; Gurko, Alexander; Kartashov, Vladimir M.; Machine Vision System for UAV Navigation; 2016 INTERNATIONAL CONFERENCE ON ELECTRICAL SYSTEMS FOR AIRCRAFT, RAILWAY, SHIP PROPULSION AND ROAD VEHICLES & INTERNATIONAL TRANSPORTATION ELECTRIFICATION CONFERENCE (ESARS-ITEC); 2016
			7. Aloykhin VI, Kartashov VM, Nagibin IB. The peculiarities of using a quasi-continuous sounding radio signals in radioacoustical systems. Telecommun Radio Eng [Internet]. 1999;53(7-8):34-8. Available from: www.scopus.com	Sergiyenko, Oleg; Ivanov, Mikhail; Tyrsa, Vera; Kartashov, Vladimir; Hernandez-Balbuena, Daniel; Nieto-Hipolito, Juan I.; Selection and justification of data transferring model in robotic group; PROCEEDINGS 2016 IEEE 25TH INTERNATIONAL SYMPOSIUM ON INDUSTRIAL ELECTRONICS (ISIE); 2016
			8. Kartashov VM. Estimating atmospheric turbulence parameters from the envelopes of radio acoustic signals. Telecommun Radio Eng [Internet]. 2001;55(8):24-8. Available from: www.scopus.com	Flores-Fuentes, Wendy; Hernandez-Balbuena, Daniel; Rodriguez-Quinonez, Julio C.; Olivas-Ugalde, Daniel; Gonzalez-Navarro, Felix F.; Sergiyenko, Oleg; Rivas-Lopez, Moises;

					Kartashov, Vladimir M.; Murrieta-Rico, Fabian N.; Outlier Mining of a Vision Sensing Database for SVM Regression Improvement; IECON 2015 - 41ST ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY; 2015
				9. Kartashov VM. Fluctuating effective centers of the targets of acoustic and radio-acoustic atmospheric sounding systems. Telecommun Radio Eng [Internet]. 2001;55(5):38-45. Available from: www.scopus.com	Kartashov, V. M.; Babkin, S. I.; Volokh, A. V.; Analysis of current status of theory and practice of radio-acoustic sounding systems; 14TH INTERNATIONAL SYMPOSIUM FOR THE ADVANCEMENT OF BOUNDARY LAYER REMOTE SENSING; 2008 1
				10. Kartashov VM. On the increase in accuracy of meteorological values measurement in acoustic and radio acoustic atmosphere sounding. Telecommun Radio Eng [Internet]. 2002;57(1):59-61. Available from: www.scopus.com	Proshkin, Ye. G.; Kartashov, V. M.; Babkin, S. I.; Development of radio acoustic sounding method in Kharkov National University of Radio Electronics; 14TH INTERNATIONAL SYMPOSIUM FOR THE ADVANCEMENT OF BOUNDARY LAYER REMOTE SENSING; 2008 1 10.1088/1755-1307/1/1/012053
				11. Kartashov VM. Signal scattering functions of atmospheric sounding systems. Telecommun Radio Eng [Internet]. 2003;59(7-9):88-94. Available from: www.scopus.com	
				12. Kartashov VM. Estimation of signal parameters scattered by an acoustic wave packet. Telecommun Radio Eng [Internet]. 2004;61(2-6):125-9. Available from: www.scopus.com	
				13. Vasylychenko AA, Kartashov VM. Analysis of influence exerted by longitudinal doppler effect upon output signal of sodar antenna array. Telecommun Radio Eng [Internet]. 2007;66(9):841-7. Available from:	

				www.scopus.com		
				14. Kartashov V. Algorithms of signals processing in radio acoustic systems. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 289-90. Available from: www.scopus.com		
				15. Kartashov VM, Pashchenko SV, Yatsenko PA. ALGORITHMS OF SIGNALS PROCESSING IN RADIO ACOUSTIC SYSTEMS. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 923-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676663		
				16. Kartashov VM, Voloh AV, Pashchenko SV, Mankov EJ. Ambiguity bodies analysis for simple soundings signals of radioacoustic systems. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 963-4. Available from: www.scopus.com		
				17. Sytnik OV, Kartashov VM, Suprun AA. The robust adaptive signal processing in correlated noise. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 1233-4. Available		

				from: www.scopus.com		
				18. Kartashov VM, Babkin SI, Pashchenko SV. Analysis of phase remote atmospheric air humidity measurement methods. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 1193-4. Available from: www.scopus.com		
				19. Sytnik O, Kartashov V, Suprun A. Invariant to the correlated noise adaptive signal processing algorithms. In: 2011 11th International Conference - The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2011 [Internet]; 20112011. p. 112-3. Available from: www.scopus.com		
				20. Kartashov VM, Babkin SI, Pashchenko SV. Adaptation of sonars to nouse conditions. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 1059-60. Available from: www.scopus.com		
				21. Kartashov VM, Kulia DM. The discriminator synthesis of the atmospheric radio acoustic sensing systems. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 1041-2. Available from: www.scopus.com		

			22. Kartashov VM, Kulia DM, Kushnir MV. The processing features of measurement results of radio acoustic sounding systems using the kalman filter. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2013. p. 1136-7. Available from: www.scopus.com		
			23. Kartashov VM, Babkin SI, Kulya DN. On the possibility of registration of humidity at the correlation signal processing systems for radio acoustic sounding. Telecommun Radio Eng [Internet]. 2014;73(14):1293-300. Available from: www.scopus.com		
			24. Sytnik OV, Kartashov VM, Suprun AA. Spatial selection of wide-band sources by covariance matrix eigenvalues. Telecommun Radio Eng [Internet]. 2014;73(9):793-801. Available from: www.scopus.com		
			25. Kartashov VM, Kulia DM, Kushnir MV, Tolstyh EG. Selection of the model for varying speed of sound for the optimal linear filter of atmosphere radio acoustic sounding systems. Telecommun Radio Eng [Internet]. 2014;73(9):803-12. Available from: www.scopus.com		
			26. Kartashov VM, Kulya DN. Synthesis and analysis of the tracking device discriminator of the atmosphere radio acoustic sounding systems. Telecommun Radio Eng [Internet]. 2014;73(5):467-74. Available from: www.scopus.com		
			27. Kartashov VM, Babkin SI, Kushnir MK, Oleinikova EI. Formation of empirical and methodical foundations of science in the field of atmosphere radioacoustic sounding systems. Telecommun Radio Eng [Internet]. 2015;74(15):1391-407. Available from: www.scopus.com		

			28. Flores-Fuentes W, Hernandez-Balbuena D, Rodriguez-Quinonez JC, Olivas-Ugalde D, Gonzalez-Navarro FF, Sergiyenko O, Rivas-Lopez M, Murrieta-Rico FN, Kartashov VM. Outlier mining of a vision sensing database for SVM regression improvement. In: IECON 2015 - 41st Annual Conference of the IEEE Industrial Electronics Society [Internet]; 2015. p. 208-13. Available from: www.scopus.com DOI: 10.1109/IECON.2015.7392101		
			29. Murrieta-Rico FN, Tchernykh A, Rodriguez-Quinonez JC, Hernandez-Balbuena D, Petranovskii V, Raymond-Herrera O, Hipolito JIN, Kartashov VM, Sergiyenko O, Flores-Fuentes W, Tyrsa V. Rational approximations principle for frequency shifts measurement in frequency domain sensors. In: IECON 2015 - 41st Annual Conference of the IEEE Industrial Electronics Society [Internet]; 2015. p. 226-31. Available from: www.scopus.com DOI: 10.1109/IECON.2015.7392103		
			30. Kartashov VM, Tikhonov VA, Voronin VV, Tymoshenko LP. Complex models of random signals in problems of acoustic sounding of atmosphere. Telecommun Radio Eng [Internet]. 2016;75(20):1885-92. Available from: www.scopus.com		
			31. Kartashov VM, Babkin SI, Tolstykh YG, Lepeha NG. Systematic errors in measurement of meteorological variables in correlation processing of signal of radio acoustic sounding systems. Telecommun Radio Eng [Internet]. 2016;75(9):835-43. Available from: www.scopus.com		

				32. Kotukh EV, Kartashov VM, Khalimov OG, Tsapko DP, Samoilova AV. Analysis of modern requirements to new generation of cryptographic primitives. Telecommun Radio Eng [Internet]. 2016;75(7):643-57. Available from: www.scopus.com		
				33. Murrieta-Rico FN, Sergiyenko OY, Petranovskii V, Hernandez-Balbuena D, Lindner L, Tyrsa V, Rivas-Lopez M, Nieto-Hipolito JI, Karthashov VM. Pulse width influence in fast frequency measurements using rational approximations. Meas J Int Meas Confed [Internet]. 2016;86:67-78. Available from: www.scopus.com		
				34. Strelkova T, Kartashov V, Lytyuga AP, Strelkov AI. Theoretical Methods of Images Processing in Optoelectronic Systems In: Developing and Applying Optoelectronics in Machine Vision. [Internet]. ; 2016 p. 180-205. Available from: www.scopus.com DOI: 10.4018/978-1-5225-0632-4.ch006		
				35. Strelkova T, Lytyuga AP, Kartashov V, Strelkov AI. Theoretical methods of images processing in optoelectronic systems In: Biometrics: Concepts, Methodologies, Tools, and Applications. [Internet]. ; 2016 p. 361-81. Available from: www.scopus.com DOI: 10.4018/978-1-5225-0983-7.ch016		
				36. Sergiyenko OY, Ivanov MV, Tyrsa VV, Kartashov VM, Rivas-López M, Hernández-Balbuena D, Flores-Fuentes W, Rodríguez-Quiñonez JC, Nieto-Hipólito JI, Hernandez W, Tchernykh A. Data transferring model determination in robotic group. Rob Autom Syst [Internet]. 2016;83:251-60. Available from: www.scopus.com		

			37. Sergiyenko O, Kartashov V, Ivanov M, Hernandez-Balbuena D, Tyrsa V, Nieto-Hipolito JI. Transferring model in robotic group. In: IEEE International Symposium on Industrial Electronics [Internet]; 2016. p. 946-52. Available from: www.scopus.com DOI: 10.1109/ISIE.2016.7745018		
			38. Lindner L, Sergiyenko O, Rivas-López M, Rodríguez-Quinonez JC, Hernández-Balbuena D, Flores-Fuentes W, Tyrsa V, Hipolito JIN, Muerrieta-Rico FN, Kartashov VM. Issues of exact laser ray positioning using DC motors for vision-based target detection. In: IEEE International Symposium on Industrial Electronics [Internet]; 2016. p. 929-34. Available from: www.scopus.com DOI: 10.1109/ISIE.2016.7745015		
			39. Kartashov VM, Babkin SI, Tolstykh EG. Methodical errors in meteorological measurements during correlation processing of signals from radio acoustic sounding systems. Telecommun Radio Eng [Internet]. 2017;76(20):1861-7. Available from: www.scopus.com		
			40. Kartashov VM, Tikhonov VA, Voronin VV. Features of construction and application of complex systems for the atmosphere remote sounding. Telecommun Radio Eng [Internet]. 2017;76(8):743-9. Available from: www.scopus.com		
			41. Lindner L, Sergiyenko O, Rivas-López M, Valdez-Salas B, Rodríguez-Quinonez JC, Hernández-Balbuena D, Flores-Fuentes W, Tyrsa V, Barrera MM, Muerrieta-Rico FN, Mercorelli P, Gurko A, Kartashov VM. Machine vision system for UAV navigation. In: 2016 International Conference on Electrical Systems for Aircraft, Railway, Ship Propulsion and Road Vehicles		

				and International Transportation Electrification Conference, ESARS-ITEC 2016 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/ESARS-ITEC.2016.7841356		
				42. Kartashov VM, Babkin SI, Tolstykh EG. Experimental estimation of efficiency of distributed acoustic radiator application in the system of radio acoustic sensing of the atmosphere. Telecommun Radio Eng [Internet]. 2018;77(18):1667-73. Available from: www.scopus.com		
				43. Semenets VV, Kartashov VM, Leonidov VI. Registration of refraction phenomenon in the problem of acoustic sounding of atmosphere in airports zone. Telecommun Radio Eng [Internet]. 2018;77(5):461-8. Available from: www.scopus.com		
				44. Kartashov VM, Oleynikov VN, Sheiko SA, Babkin SI, Korytsev IV, Zubkov OV, Anokhin MA. Information characteristics of sound radiation of small unmanned aerial vehicles. Telecommun Radio Eng [Internet]. 2018;77(10):915-24. Available from: www.scopus.com		
				45. Avalos-Gonzalez D, Sergiyenko O, Hernandez-Balbuena D, Tyrsa V, Kartashov V, Rivas-Lopez M, Rodriguez-Quiñonez J, Flores-Fuentes W, Murrieta-Rico FN. Constraints definition and application optimization based on geometric analysis of the frequency measurement method by pulse coincidence. Meas J Int Meas Confed [Internet]. 2018;126:184-93. Available from: www.scopus.com		

				46. Ivanov M, Kartashov V, Sergiyenko O, Hernandez W, Tyrsa V, Sheiko S, Mercorelli P, Kolendovska M. Individual scans fusion in virtual knowledge base for navigation of mobile robotic group with 3D TVS. In: Proceedings: IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society [Internet]; 20182018. p. 3187-92. Available from: www.scopus.com DOI: 10.1109/IECON.2018.8591442		
				47. Avalos-Gonzalez D, Hernandez-Balbuena D, Tyrsa V, Sergiyenko O, Murrieta-Rico FN, Kartashov V, Kolendovska M, Sheiko S, Melnyk V. Application of fast frequency shift measurement method for INS in navigation of drones. In: Proceedings: IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society [Internet]; 20182018. p. 3159-64. Available from: www.scopus.com DOI: 10.1109/IECON.2018.8591377		
ІК	МВТ	НИКІТЕНКО ОЛЕКСАНДР МИКОЛАЙОВ ИЧ	46	1. Nikitenko OM. Ion oscillations in crossed-field electronic devices. Telecommun Radio Eng [Internet]. 1997;51(11-12):165-71. Available from: www.scopus.com	12	Korchakova, Anhelina Stanislavivna; Nikitenko, Oleksandr Mykolayovych; Linearized Approach of Crossed-Field Devices; IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE; 2014
				2. Nikitenko AN, Ruzhentsev IV, Zin'kovsky VN. Level analysis and control of electromagnetic radiation from microwave oscillators. In: CPEM Digest (Conference on Precision Electromagnetic Measurements) [Internet]; 19981998. p. 600-1. Available from: www.scopus.com		Volovenko, M. V.; Nikitenko, O. M.; Investigation of millimeter-wave band magnetron dispersion characteristics; KPBIMUKO 2007CRMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368684

			3. Nikitenko OM. Transformation problems in crossed-field devices. In: 1999 9th International Crimean Microwave Conference: Microwave and Telecommunication Technology, CriMiCo 1999 - Conference Proceedings [Internet]; 19991999. p. 107-8. Available from: www.scopus.com DOI: 10.1109/CRMICO.1999.815162	Nikitenko, O. M.; Volovenko, M. V.; Space periodic fields in crossed-field devices; SIXTH INT KHARKOV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES/WORKSHOP ON TERAHERTZ TECHNOLOGIES, VOLS 1 AND 2; 2007
			4. Nikitenko OM. Design of electromagnetic compatible systems with crossed-field. In: 2000 10th International Crimean Microwave Conference "Microwave and Telecommunication Technology", CriMico 2000 [Internet]; 20002000. p. 213-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.2000.1256076	Nikitenko, O. M.; Volovenko, M. V.; The charged particle motion under electrostatic space-periodic field in crossed-field systems; 2006 IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE HELD JOINTLY WITH 2006 IEEE INTERNATIONAL VACUUM ELECTRON SOURCES; 2006 10.1109/IVELEC.2006.1666208
			5. Nikitenko OM. Distribution of electrostatic potential in crossed-field system with complex electrodes' configuration. J Microwaves Optoelectron [Internet]. 2000;2(2):1-9. Available from: www.scopus.com	Volkov, VM; Nikitenko, OM; Zaichenko, OB; Zharko, YG; Isichko, AL; Passing power sensors and multiprobe microwave multimeter on its base; PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH-ENERGY PHYSICS EXPERIMENTS IV; 2006 6159 10.1117/12.675048
			6. Volovenko MV, Nikitenko OM. First cathode simulation in crossed-field devices. In: CriMiCo 2001 - 11th International Conference [Internet]; 20012001. p. 213-5. Available from: www.scopus.com	Volovenko, M. V.; Nikitenko, O. M.; Features of simulating spatial interaction of electron stream in mm-wave magnetrons; 2005 15th International Crimean Conference Microwave & Telecommunication Technology, Vols 1 and 2, Conference Proceedings; 2005

			7. Nikitenko OM. Ion oscillations in crossed-field systems. In: 14th International Conference on Microwaves, Radar and Wireless Communications, MIKON 2002 [Internet]; 20022002. p. 93-5. Available from: www.scopus.com DOI: 10.1109/MIKON.2002.1017813	Zinkivsky, V. N.; Nikitenko, O. M.; Slow-wave structures' performances of crossed-field devices; 2005 15th International Crimean Conference Microwave & Telecommunication Technology, Vols 1 and 2, Conference Proceedings; 2005
			8. Nikitenko OM. Design of microwave devices' slow-wave structure with double rings. In: 3rd IEEE International Vacuum Electronics Conference, IVEC 2002 [Internet]; 20022002. p. 205-6. Available from: www.scopus.com DOI: 10.1109/IVELEC.2002.999339	Volkov, VM; Nikitenko, OM; Zharko, YG; Isichko, HL; Solutions' methods of boundary problems by heating of the thin walled waveguide; 5th International Conference on Antenna Theory and Techniques, Proceedings; 2005 10.1109/ICATT.2005.1497011
			9. Nikitenko O, Volovenko M. Changed particles motion in crossed-field system under dissipation. In: Proceedings of the International Conference on Modern Problems of Radio Engineering, Telecommunications and Computer Science, TCSET 2002 [Internet]; 20022002. p. 59-60. Available from: www.scopus.com DOI: 10.1109/TCSET.2002.1015854	Volovenko, MV; Nikitenko, OM; Modelling of the millimeter magnetron performances; MIKON-2004, VOL 1, CONFERENCE PROCEEDINGS; 2004 10.1109/MIKON.2004.1356873
			10. Volovenko MV, Nikitenko OM. Modelling of the millimeter magnetron performances. In: 4th IEEE International Vacuum Electronics Conference, IVEC 2003 - Proceedings [Internet]; 20032003. p. 132-3. Available from: www.scopus.com DOI: 10.1109/IVEC.2003.1286121	Nikitenko, OM; Ion oscillations in crossed-field systems; MIKON-2002: XIV INTERNATIONAL CONFERENCE ON MICROWAVES, RADAR AND WIRELESS COMMUNICATIONS, VOLS 1-3, PROCEEDINGS; 2002
			11. Gritsunov AV, Nikitenko OM. Probable sources of a noise in crossed-field devices. 1. Non-generating tubes. In: 4th IEEE International Vacuum Electronics Conference, IVEC 2003 - Proceedings [Internet]; 20032003. p. 246-7. Available from: www.scopus.com DOI: 10.1109/IVEC.2003.1286282	Nikitenko, O; Volovenko, M; Changed particles motion in crossed-field system under dissipation; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2002 10.1109/TCSET.2002.1015854

			12. Zinkivsky VM, Nikitenko OM. Vacuum state investigation of cross-field devices by discharge current techniques. Telecommun Radio Eng [Internet]. 2003;59(1-2):119-30. Available from: www.scopus.com		Volovenko, MV; Nikitenko, OM; First cathode simulation in crossed-field devices; 11TH INTERNATIONAL CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, CONFERENCE PROCEEDINGS; 2001 10.1109/CRMICO.2001.961530
			13. Gritsunov AV, Nikitenko OM. Probable sources of a noise in crossed-field devices. II. Generating tubes. In: 4th IEEE International Vacuum Electronics Conference, IVEC 2003 - Proceedings [Internet]; 20032003. p. 248-9. Available from: www.scopus.com DOI: 10.1109/IVEC.2003.1286283		
			14. Churyumov GI, Frolova TI, Gritsunov AV, Nikitenko OM, Zinkovski VN. The influence of residual atmosphere in magnetron to its output parameters. In: 4th IEEE International Vacuum Electronics Conference, IVEC 2003 - Proceedings [Internet]; 20032003. p. 285. Available from: www.scopus.com DOI: 10.1109/IVEC.2003.1286319		
			15. Volovenko MV, Nikitenko OM. Testing of a software of poisson's equation solution for mathematical model of a millimeter wave magnetron. Telecommun Radio Eng [Internet]. 2003;59(10-12):93-9. Available from: www.scopus.com		
			16. Kopot MA, Nikitenko AN, Churyumov GI. Investigations into the dispersion characteristics of the electrodynamic systems with resonators of complex shape. Telecommun Radio Eng [Internet]. 2003;60(1-2):75-80. Available from: www.scopus.com		

			17. Vasyanovich AV, Gritsunov AV, Nikitenko AN, Horunzhii MO. General principles of spectral modeling of microwave devices. Telecommun Radio Eng [Internet]. 2003;60(1-2):88-99. Available from: www.scopus.com		
			18. Volovenko MV, Nikitenko OM. The electrostatic potential distribution of crossed-field systems. In: 5Th IEEE International Vacuum Electronics Conference, IVEC 2004 [Internet]; 20042004. p. 226-9. Available from: www.scopus.com		
			19. Kopot' MA, Nikitenko AN. Flight-path analysis of moving a charged particle at a special form of the anode voltage. Telecommun Radio Eng [Internet]. 2004;61(2-6):502-8. Available from: www.scopus.com		
			20. Volovenko MV, Nikitenko OM. Modelling of the millimeter magnetron performances. In: 15th International Conference on Microwaves, Radar and Wireless Communications, MIKON - 2004 [Internet]; 20042004. p. 115-7. Available from: www.scopus.com		
			21. Volovenko MV, Nikitenko OM. Features of simulating spatial interaction of electron stream in mm-wave magnetrons. In: 2005 15th International Crimean Conference Microwave and Telecommunication Technology, CriMiCo'2005 - Conference Proceedings [Internet]; 20052005. p. 219-20. Available from: www.scopus.com DOI: 10.1109/CRMICO.2005.1564879		
			22. Zinkivsky VN, Nikitenko OM. Slow-wave structures' performances of crossed-field devices. In: 2005 15th International Crimean Conference Microwave and Telecommunication Technology, CriMiCo'2005 - Conference Proceedings [Internet];		

				20052005. p. 244-5. Available from: www.scopus.com DOI: 10.1109/CRMICO.2005.1564889		
				23. Volkov VM, Nikitenko OM, Zharko YG, Isichko HL. Solutions' methods of boundary problems by heating of the thin walled waveguide. In: 5th International Conference on Antenna Theory and Techniques, 2005 [Internet]; 20052005. p. 449-51. Available from: www.scopus.com DOI: 10.1109/ICATT.2005.1497011		
				24. Volkov VM, Nikitenko OM, Zaichenko OB, Zharko YG, Isichko AL. Passing power sensors and multiprobe microwave multimeter on its base. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 20062006 Available from: www.scopus.com DOI: 10.1117/12.675048		
				25. Nikitenko OM, Volovenko MV. The charged particle motion under electrostatic space-periodic field in crossed-field systems. In: 2006 IEEE International Vacuum Electronics Conference held jointly with 2006 IEEE International Vacuum Electron Sources, IVEC/IVESC 2006 [Internet]; 20062006. p. 109-10. Available from: www.scopus.com		
				26. Volovenko MV, Nikitenko OM. Investigation of millimeter-wave band magnetron dispersion characteristics. In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 20072007. p. 207-8. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368684		

			27. Nikitenko OM, Volovenko MV. Space periodic fields in crossed-field devices. In: MSMW'07 Symposium Proceedings - The 6th International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves and Workshop on Terahertz Technologies [Internet]; 20072007. p. 553-5. Available from: www.scopus.com DOI: 10.1109/MSMW.2007.4294732		
			28. Gryshchenko TB, Nikitenko OM, Vlashchenko LG, Volovenko MV. The charged particles' behaviour in crossed-field devices. In: 16th International Conference on Microwaves, Radar and Wireless Communications, MIKON 2006 [Internet]; 20072007 Available from: www.scopus.com DOI: 10.1109/MIKON.2006.4345322		
			29. Nikitenko OM, Volovenko MV. Chaotic behavior of oscillations in crossed-field electron vacuum devices. In: 2008 IEEE International Vacuum Electronics Conference, IVEC with 9th IEEE International Vacuum Electron Sources Conference, IVESC [Internet]; 20082008. p. 257-8. Available from: www.scopus.com DOI: 10.1109/IVELEC.2008.4556498		
			30. Nikitenko OM, Volovenko MV. Stability and periodical motion of charged particles in crossed-field systems. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 217-8. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676357		

			31. Gryshchenko TB, Nikitenko OM. Scientometric analysis of articles submitted to international crimean conference «Microwave and telecommunication technology» in global electronic databases. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 30-1. Available from: www.scopus.com		
			32. Volovenko MV, Zinkovski VM, Nikitenko OM. Oscillations interaction in cross-field systems. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 203-4. Available from: www.scopus.com		
			33. Volovenko MV, Zinkivski VM, Nikitenko OM. P3-28: Chaotization of oscillations' state in crossed-field systems. In: 2010 IEEE International Vacuum Electronics Conference, IVEC 2010 [Internet]; 20102010. p. 385-6. Available from: www.scopus.com DOI: 10.1109/IVELEC.2010.5503389		
			34. Nikitenko OM, Volovenko MV. Oscillation states' transformation in crossed-field systems. In: Proceedings - 2010 8th International Vacuum Electron Sources Conference and Nanocarbon, IVESC 2010 and NANOCarbon 2010 [Internet]; 20102010. p. 186-7. Available from: www.scopus.com DOI: 10.1109/IVESC.2010.5644395		

			35. Grishchenko TB, Rzhvtseva NL, Nikitenko OM. Scientific information access - Two way traffic. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 8-15. Available from: www.scopus.com		
			36. Nikitenko OM, Kozorezov GG, Churyumov GI, Yavlyanskiy IY, Volovenko MV. Calculation of anode strap magnetrons dispersion characteristics in fundamental and higher bandpasses. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 314-5. Available from: www.scopus.com		
			37. Chen X, Nikitenko OM. The quality factors' estimation in generated crossed field system. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 340-1. Available from: www.scopus.com		
			38. Volovenko MV, Nikitenko OM. Simplified approach to simulation of crossed-field devices. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 342-3. Available from: www.scopus.com		
			39. Grishchenko TB, Etenko NY, Nikitenko OM. Mapping the scientific heritage of professor B. L. Kashcheyev. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference		

				Proceedings [Internet]; 20112011. p. 106-7. Available from: www.scopus.com		
				40. Xin C, Nikitenko OM. Influence of construction parameters of cross-field devices resonant structure on quality factors. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 229-30. Available from: www.scopus.com		
				41. Grishchenko TB, Nikitenko OM. A comparative scientometric analysis of papers submitted at international youth conferences "modern problems of radiotechnics and telecommunicayions" and "radioelectronics and youth in the XXI-th century". In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 50-1. Available from: www.scopus.com		
				42. Volovenko MV, Nikitenko OM. Two approches comparison concerning the determination of spectrum in crossed Field devices. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 227-8. Available from: www.scopus.com		
				43. Korchakova AS, Nikitenko OM. Using of linearized approach for crossed-field devices' modeling. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet];		

				20132013. p. 238-9. Available from: www.scopus.com		
				44. Shemayev AA, Grishchenko TB, Shemayeva AV, Nikitenko OM. Methodological basis of science and technics historical investigations. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 40-1. Available from: www.scopus.com		
				45. Nikitenko OM, Volovenko VM. Simplified approach to modeling of cross-field devices. Telecommun Radio Eng [Internet]. 2014;73(14):1257-71. Available from: www.scopus.com		
				46. Korchakova AS, Nikitenko OM. Linearized approach of crossed-field devices. In: IEEE International Vacuum Electronics Conference, IVEC 2014 [Internet]; 20142014. p. 501-2. Available from: www.scopus.com DOI: 10.1109/IVEC.2014.6857709		
ЕЛБІ	МЕЕП П	ГРИЦУНОВ ОЛЕКСАНДР ВАЛЕНТИНО ВИЧ	41	1. Gritsunov AV, Galagan AV. On the use of second-order excitation equations in modeling a crossed-field oscillator. Sov J Commun Technol Electron [Internet]. 1989;34(11):106-9. Available from: www.scopus.com	18	Gritsunov, Alexander; Electron-Positron Matter Waves as Oscillations of Minkowski Spacetime; IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE; 2014
				2. Gritsunov AV. About simulation of fields in large particles model. In: SBMO/IEEE MTT-S International Microwave and Optoelectronics Conference Proceedings [Internet]; 19971997. p. 517-9. Available from: www.scopus.com		Gritsunov, Alexander; A Self-Consistent Potential Formalism in the Electrodynamics; 2009 IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE; 2009 10.1109/IVELEC.2009.5193478

			3. Churyumov GI, Gerasimov VP, Gritsunov AV, Zakorin VA. Prospects of applying a computational experiment to the concept and the use of crossed-field devices. Telecommun Radio Eng [Internet]. 1998;52(12):39-48. Available from: www.scopus.com	Churyumov, G., I; Gritsunov, A., V; Frolova, T., I; Starchevskiy, Yu; Basrawi, K. M.; Ekezli, A., I; Perevertaylo, R. A.; Theoretical and experimental investigation of frequency tuning and lock modes of magnetrons; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006
			4. Churyumov GI, Frolova TI, Gritsunov AV, Terehin SN. Advanced design of re-entrant beam distributed-emission crossed-field tubes. In: 13th International Conference on Microwaves, Radar and Wireless Communications, MIKON 2000 [Internet]; 20002000. p. 573-6. Available from: www.scopus.com DOI: 10.1109/MIKON.2000.913998	Gritsunov, AV; Kozorezov, GG; Turenko, LY; A cathode-driven CFA gain increase; 12TH INTERNATIONAL CONFERENCE - MICROWAVE & TELECOMMUNICATION TECHNOLOGY, CONFERENCE PROCEEDINGS; 2002 10.1109/CRMICO.2002.1137197
			5. Gritsunov AV. The adaptive method of complex amplitudes in spectral models of microwave devices. In: CriMiCo 2001 - 11th International Conference [Internet]; 20012001. p. 224-7. Available from: www.scopus.com	Gritsunov, Alexander; The Quantum Dynamics of Natural Distributed Oscillatory Systems; 2016 9TH INTERNATIONAL KHARKIV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES (MSMW); 2016
			6. Gritsunov AV. On spectral modeling of microwave devices. Telecommun Radio Eng [Internet]. 2001;55(8):98-102. Available from: www.scopus.com	Churyumov, Gennadiy; Gerasimov, Vladimir; Frolova, Tetyana; Gritsunov, Alexander; Ekezli, Andrey; The Advanced Designs of Magnetrons with Improvement Output Characteristics; 2016 IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE (IVEC); 2016

			7. Gritsunov AV. The spectral and harmonic analysis in microwave electronics. In: 14th International Conference on Microwaves, Radar and Wireless Communications, MIKON 2002 [Internet]; 20022002. p. 73-6. Available from: www.scopus.com DOI: 10.1109/MIKON.2002.1017808	Churyumov, Gennadiy; Frolova, Tetyana; Gritsunov, Aleksandr; The State-of-the-Art of Computer Modeling and Design of the Vacuum Microwave Devices; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
			8. Gritsunov AV. Evaluation of vortex fields in a non-linear slow-wave structure. I. The method of instantaneous values. In: 3rd IEEE International Vacuum Electronics Conference, IVEC 2002 [Internet]; 20022002. p. 143-4. Available from: www.scopus.com DOI: 10.1109/IVELEC.2002.999305	Gritsunov, A. V.; ON THE PROBLEM OF AMBIGUITY OF ELECTROMAGNETIC POTENTIAL; 2013 INTERNATIONAL KHARKOV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES (MSMW); 2013
			9. Gritsunov AV. Evaluation of vortex fields in a non-linear slow-wave structure. II. The method of complex amplitudes. In: 3rd IEEE International Vacuum Electronics Conference, IVEC 2002 [Internet]; 20022002. p. 145-6. Available from: www.scopus.com DOI: 10.1109/IVELEC.2002.999306	Gritsunov, Alexander; Veryovkina, Anna; Matrix electrodynamics: A similarity to the Heisenberg's mechanics?; 2008 IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE; 2008
			10. Gritsunov AV, Kozorezov GG, Turenko LY. A cathode-driven CFA gain increase. In: CriMiCo 2002 - 12th International Conference "Microwave and Telecommunication Technology", Conference Proceedings [Internet]; 20022002. p. 182-5. Available from: www.scopus.com DOI: 10.1109/CRMICO.2002.1137197	Gritsunov, Alexander; A Matrix Electrodynamics as an Analogue of the Heisenberg's Mechanics; ISAPE 2008: THE 8TH INTERNATIONAL SYMPOSIUM ON ANTENNAS, PROPAGATION AND EM THEORY, PROCEEDINGS, VOLS 1-3; 2008
			11. Gritsunov A, Mutovina N, Vasyanovich A. The particle dynamics simulation in non-stationary models of CFD. In: Proceedings of the International Conference on Modern Problems of Radio Engineering,	Gritsunov, A. V.; Stapyuk, N. V.; Numerical simulation of UWB electromagnetic pulses propagation in dispersive electrodynamic lines; SIXTH INT KHARKOV SYMPOSIUM ON

			Telecommunications and Computer Science, TCSET 2002 [Internet]; 20022002. p. 85. Available from: www.scopus.com DOI: 10.1109/TCSET.2002.1015867	PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES/WORKSHOP ON TERAHERTZ TECHNOLOGIES, VOLS 1 AND 2; 2007 10.1109/MSMW.2007.4294646
			12. Gritsunov AV, Turenko LY. Harmonic decomposition of an exciting current in simulation of the electron devices. Telecommun Radio Eng [Internet]. 2002;58(11-12):56-67. Available from: www.scopus.com	Gritsunov, A. V.; Skachkova, N. V.; Propagation of short radio pulses through delay line of a cold TWT; 2006 IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE HELD JOINTLY WITH 2006 IEEE INTERNATIONAL VACUUM ELECTRON SOURCES; 2006 10.1109/IVELEC.2006.1666214
			13. Gritsunov AV, Nikitenko OM. Probable sources of a noise in crossed-field devices. 1. Non-generating tubes. In: 4th IEEE International Vacuum Electronics Conference, IVEC 2003 - Proceedings [Internet]; 20032003. p. 246-7. Available from: www.scopus.com DOI: 10.1109/IVEC.2003.1286282	Gritsunov, AV; Excitation of non-harmonic fields in an electrodynamic system; MSMW'04: FIFTH INTERNATIONAL KHARKOV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER, AND SUBMILLIMETER WAVES, SYMPOSIUM PROCEEDINGS, VOLS 1 AND 2; 2004 10.1109/MSMW.2004.1345979
			14. Gritsunov AV, Nikitenko OM. Probable sources of a noise in crossed-field devices. II. Generating tubes. In: 4th IEEE International Vacuum Electronics Conference, IVEC 2003 - Proceedings [Internet]; 20032003. p. 248-9. Available from: www.scopus.com DOI: 10.1109/IVEC.2003.1286283	Gritsunov, AV; The spectral and harmonic analysis in microwave electronics; MIKON-2002: XIV INTERNATIONAL CONFERENCE ON MICROWAVES, RADAR AND WIRELESS COMMUNICATIONS, VOLS 1-3, PROCEEDINGS; 2002

			15. Churyumov GI, Frolova TI, Gritsunov AV, Nikitenko OM, Zinkovski VN. The influence of residual atmosphere in magnetron to its output parameters. In: 4th IEEE International Vacuum Electronics Conference, IVEC 2003 - Proceedings [Internet]; 2003:2003. p. 285. Available from: www.scopus.com DOI: 10.1109/IVEC.2003.1286319	Gritsunov, A; Mutovina, N; Vasyanovich, A; The particle dynamics simulation in non-stationary models of CFD; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2002 10.1109/TCSET.2002.1015867
			16. Vasyanovich AV, Gritsunov AV, Nikitenko AN, Horunzhii MO. General principles of spectral modeling of microwave devices. Telecommun Radio Eng [Internet]. 2003;60(1-2):88-99. Available from: www.scopus.com	Gritsunov, AV; The adaptive method of complex amplitudes in spectral models of microwave devices; 11TH INTERNATIONAL CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, CONFERENCE PROCEEDINGS; 2001 10.1109/CRMICO.2001.961535
			17. Gritsunov AV. Choice of the methods of time function spectrum estimation in microwave devices modeling. Radiotekh [Internet]. 2003(9):25-30. Available from: www.scopus.com	Churyumov, GI; Frolova, TL; Gritsunov, AV; Terehin, SN; Advanced design of re-entrant beam distributed-emission crossed-field tubes; MIKON-2000, VOLS 1 & 2, PROCEEDINGS; 2000
			18. Gritsunov AV. On a spectral approach to simulation of microwave devices. J Commun Technol Electron [Internet]. 2004;49(7):829-32. Available from: www.scopus.com	Gritsunov, AV; About simulation of fields in large particles model; 1997 SBMO/IEEE MTT-S - INTERNATIONAL MICROWAVE AND OPTOELECTRONICS CONFERENCE, PROCEEDINGS, VOLS 1 AND 2; 1997
			19. Gritsunov AV. Non-monochromatic fields in a dispersive electrodynamic line. I. The discrete approximation. In: 5Th IEEE International Vacuum Electronics Conference, IVEC 2004 [Internet]; 2004:2004. p. 220-1. Available from: www.scopus.com	

				20. Gritsunov AV. Non-monochromatic fields in a dispersive electrodynamic line. II. The continuous approximation. In: 5Th IEEE International Vacuum Electronics Conference, IVEC 2004 [Internet]; 20042004. p. 222-3. Available from: www.scopus.com		
				21. Gritsunov AV. On a spectral approach to simulation of microwave devices. Radiotekh Elektron [Internet]. 2004;49(7):882-6. Available from: www.scopus.com		
				22. Gritsunov AV. Excitation of non-harmonic fields in an electrodynamic system. In: Fifth International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter, and Submillimeter Waves - Symposium Proceedings, MSMW'04 [Internet]; 20042004. p. 504-6. Available from: www.scopus.com		
				23. Gritsunov AV. On the reasons for noises in cross-field devices. Telecommun Radio Eng [Internet]. 2005;64(11):939-58. Available from: www.scopus.com		
				24. Gritsunov AV. Expansion of nonstationary electromagnetic potentials into partial functions of electrodynamic system. Radioelectron Commun Syst [Internet]. 2006;49(7):6-12. Available from: www.scopus.com		
				25. Gritsunov AV, Skachkova NV. Propagation of short radio pulses through delay line of a cold TWT. In: 2006 IEEE International Vacuum Electronics Conference held jointly with 2006 IEEE International Vacuum Electron Sources, IVEC/IVESC 2006 [Internet]; 20062006. p. 121-2. Available from: www.scopus.com		

			26. Gritsunov AV, Kozorezov GG, Kopot MA. On increasing of the gain ratio of crossed field double-row amplifiers. Telecommun Radio Eng [Internet]. 2006;65(8):731-7. Available from: www.scopus.com		
			27. Gritsunov AV. Methods of calculation of nonstationary nonharmonic fields in guiding electrodynamic structures. J Commun Technol Electron [Internet]. 2007;52(6):601-16. Available from: www.scopus.com		
			28. Gritsunov AV, Ostapyuk NV. Numerical simulation of UWB electromagnetic pulses propagation in dispersive electrodynamic lines. In: MSMW'07 Symposium Proceedings - The 6th International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves and Workshop on Terahertz Technologies [Internet]; 20072007. p. 313-5. Available from: www.scopus.com DOI: 10.1109/MSMW.2007.4294646		
			29. Gritsunov A, Veryovkina A. A matrix electrodynamic: A similarity to the heisenberg's mechanics? In: 2008 IEEE International Vacuum Electronics Conference, IVEC with 9th IEEE International Vacuum Electron Sources Conference, IVESC [Internet]; 20082008. p. 356-7. Available from: www.scopus.com DOI: 10.1109/IVELEC.2008.4556530		
			30. Gritsunov A. A matrix electrodynamic as an analogue of the heisenberg's mechanics. In: ISAPE 2008 - The 8th International Symposium on Antennas, Propagation and EM Theory Proceedings [Internet]; 20082008. p. 471-4. Available from: www.scopus.com DOI: 10.1109/ISAPE.2008.4735251		

				31. Gritsunov A. A self-consistent potential formalism in the electrodynamics. In: 2009 IEEE International Vacuum Electronics Conference, IVEC 2009 [Internet]; 20092009. p. 147-8. Available from: www.scopus.com DOI: 10.1109/IVELEC.2009.5193478		
				32. Gritsunov AV. Self-sufficient potential formalism in describing electromagnetic interactions. Radioelectron Commun Syst [Internet]. 2009;52(12):649-59. Available from: www.scopus.com		
				33. Gritsunov A. P1-18: Spectral models of klystrons and travelling-wave tubes. In: 2010 IEEE International Vacuum Electronics Conference, IVEC 2010 [Internet]; 20102010. p. 135-6. Available from: www.scopus.com DOI: 10.1109/IVELEC.2010.5503565		
				34. Gritsunov A. On the reality of "zero magnetic" oscillations of potential. In: 2012 IEEE 13th International Vacuum Electronics Conference, IVEC 2012 [Internet]; 20122012. p. 409-10. Available from: www.scopus.com DOI: 10.1109/IVEC.2012.6262216		
				35. Gritsunov AV. On the problem of ambiguity of electromagnetic potential. In: Proceedings - 2013 International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2013 [Internet]; 20132013. p. 222-4. Available from: www.scopus.com DOI: 10.1109/MSMW.2013.6622006		
				36. Gritsunov A, Masolova N. On the locality principle keeping in Aharonov-Bohm effect. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 189-90. Available from: www.scopus.com		

			37. Gritsunov A. Electron-positron matter waves as oscillations of Minkowski spacetime. In: IEEE International Vacuum Electronics Conference, IVEC 2014 [Internet]; 20142014. p. 503-4. Available from: www.scopus.com DOI: 10.1109/IVEC.2014.6857710		
			38. Churyumov G, Frolova T, Gritsunov A. The state-of-the-art of computer modeling and design of the vacuum microwave devices. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 114-6. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7451986		
			39. Gritsunov A. The quantum dynamics of natural distributed oscillatory systems. In: 9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2016 [Internet]; 20162016 Available from: www.scopus.com DOI: 10.1109/MSMW.2016.7538037		
			40. Churyumov G, Gerasimov V, Frolova T, Gritsunov A, Ekezli A. The advanced designs of magnetrons with improvement output characteristics. In: 2016 IEEE International Vacuum Electronics Conference, IVEC 2016 [Internet]; 20162016 Available from: www.scopus.com DOI: 10.1109/IVEC.2016.7561984		
			41. Gritsunov A, Bondarenko I, Pashchenko A, Babychenko O. Theory of natural oscillatory systems and advance in nanoelectronics. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 410-5. Available from: www.scopus.com DOI:		

				10.1109/TCSET.2018.8336230		
OPT	КРІСТ ЗІ	ЛУЧАНИНОВ АНАТОЛІЙ ІВАНОВИЧ	37	1. Gladkoskok ID, Luchaninov AI. PARAMETRIC SYNTHESIS OF TUNABLE CIRCUITS. Telecommun Radio Eng [Internet]. 1983;37-38(8):25-7. Available from: www.scopus.com	11	Shifrin, YS; Luchaninov, AI; Present status of the theory of antennas with nonlinear elements; IZVESTIYA VYSSHIKH UCHEBNIKH ZAVEDENII RADIOELEKTRONIKA; 1996 39
				2. Luchaninov AI, Tokarskii PL. Parameter determination of a system of radiators for matrix method of antenna array representation. Izv Vyssh Uchebn Zaved Radioelektron [Internet]. 1983;26(8):87-9. Available from: www.scopus.com		Gretskih, D. V.; Gomozov, A. V.; Luchaninov, A. I.; Nesterenko, M. V.; Mathematical Model of Large Aperture Rectenna Lattice; 2016 XXIST INTERNATIONAL SEMINAR/WORKSHOP ON DIRECT AND INVERSE PROBLEMS OF ELECTROMAGNETIC AND ACOUSTIC WAVE THEORY (DIPED); 2016
				3. Lishtayev OB, Luchaninov AI, Tolstova SV, Shokalo VM. Mathematical model and algorithm of analysis of electrodynamic characteristics for wire dipoles of complex geometry. Radiotekh [Internet]. 1992(1-2):87-9. Available from: www.scopus.com		Sidorov, Yaroslav; Luchaninov, Anatoly; Kostjuk, Sergij; Matrix model of adaptive antenna array with reconfigurable radiators; 2007 PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2007 10.1109/CADSM.2007.4297491
				4. Lishtayev OB, Luchaninov AI, Tolstova SV, Shokalo VM. Mathematical model and algorithm for analyzing the electrodynamic characteristics of wire radiators of complex geometry. Telecommun Radio Eng [Internet]. 1992;47(2):128-9. Available from: www.scopus.com		Sidorov, Y. G.; Luchaninov, A., I; Adaptive antenna arrays with configurable antenna elements; KPBIMUKO 2007CRIMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY,

					VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368760
				5. Shifrin YS, Luchaninov AI. The up-to-date state of the theory of antennas with nonlinear elements. Izv VUZ Radioelektron [Internet]. 1996;39(6):4-16. Available from: www.scopus.com	Shokalo, V. M.; Luchaninov, A. I.; Gavva, D. S.; Gretskih, D. V.; Lihograj, V. G.; Strelnytskyi, A. E.; Babanskaya, E. V.; Krikun, E. V.; New research results of nonlinear effects and spectral efficiency in the radio channels of the modern communication systems; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006
				6. Shifrin YS, Luchaninov AI, Shokalo VM, Shcherbina AA. Methods for increasing of large rectennas efficiency. Turk J Phys [Internet]. 1996;20(8):856-61. Available from: www.scopus.com	Shifrin, YS; Luchaninov, AI; Gavva, DS; Zhurbenko, VV; Excitation of wire structures with nonlinear characteristics of the surface impedance; 5th International Conference on Antenna Theory and Techniques, Proceedings; 2005 10.1109/ICATT.2005.1496909
				7. Luchaninov AI, Shokalo VM, Konovaltsev AA. Numerical analysis of the receiving/rectifying elements of large-aperture rectennas. Telecommun Radio Eng [Internet]. 1997;51(10):5-10. Available from: www.scopus.com	Gavva, D; Greckih, D; Luchaninov, A; Shokalo, V; Zhurbenko, V; Strip and wire structures with distributed nonlinear properties; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2004
				8. Luchaninov AI, Shokalo VM, Konoval'tsev AA, Rybalko AM, Shcherbina AA. Theoretical and experimental studies of large-aperture rectenna arrays. Telecommun Radio Eng [Internet]. 1998;52(6):87-92. Available from: www.scopus.com	Shifrin, YS; Luchaninov, AI; Microwave devices with the distributed nonlinearity; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003

			9. Shifrin YS, Luchaninov AI, Shokalo VM, Konoval'tsev AA. Problem of wireless power transmission. Radiotekh [Internet]. 2001(6):43-7. Available from: www.scopus.com		Luchaninov, AI; Shokalo, VM; Zhurbenko, VV; Omarov, MA; The analysis of nonlinear effects in superconducting microstrip resonators; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2002 10.1109/TCSET.2002.1015846
			10. Luchaninov AI, Shokalo VM, Zhurbenko VV, Omarov MA. The analysis of nonlinear effects in superconducting microstrip resonators. In: Proceedings of the International Conference on Modern Problems of Radio Engineering, Telecommunications and Computer Science, TCSET 2002 [Internet]; 20022002. p. 35-7. Available from: www.scopus.com DOI: 10.1109/TCSET.2002.1015846		Shifrin, YS; Luchaninov, AI; Nonlinear effects in antennae and the methods of their analysis; NON-LINEAR ELECTROMAGNETIC SYSTEMS: ADVANCED TECHNIQUES AND MATHEMATICAL METHODS; 1998 13
			11. Luchaninov AI, Omarov MA, Gavva DC. Basic and weight functions of the problem of nonlinear surface impedance antenna analysis by the moment method. Telecommun Radio Eng [Internet]. 2002;58(9-10):57-63. Available from: www.scopus.com		SHIFRIN, YS; LUCHANINOV, AI; SHOKALO, VM; SHCHERBINA, AA; SPURIOUS RADIATION OF RECTENNA RECEIVING-RECTIFYING ELEMENTS; ELECTROMAGNETIC COMPATIBILITY 1994 - TWELFTH INTERNATIONAL WROCLAW SYMPOSIUM; 1994
			12. Shifrin YS, Luchaninov AI. Microwave devices with the distributed nonlinearity. In: 4th International Conference on Antenna Theory and Techniques, ICATT 2003 [Internet]; 20032003. p. 81-6. Available from: www.scopus.com DOI: 10.1109/ICATT.2003.1239155		
			13. Shifrin YS, Luchaninov AI, Posokhov AS. Structural model of antennas with nonlinear elements. Telecommun Radio Eng [Internet]. 2003;59(1-2):32-48. Available from: www.scopus.com		

			14. Gavva D, Greckih D, Luchaninov A, Shokalo V, Zhurbenko V. Strip and wire structures with distributed nonlinear properties. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 1. Available from: www.scopus.com		
			15. Shifrin YS, Luchaninov AI, Gavva DS, Zhurbenko VV. Excitation of wire structures with nonlinear characteristics of the surface impedance. In: 5th International Conference on Antenna Theory and Techniques, 2005 [Internet]; 20052005. p. 156-9. Available from: www.scopus.com DOI: 10.1109/ICATT.2005.1496909		
			16. Luchaninov AI, Gavva DS. Non-linear effects in wire antennas with non-linear surface impedance. Telecommun Radio Eng [Internet]. 2006;65(14):1257-65. Available from: www.scopus.com		
			17. Shokalo VM, Luchaninov AI, Gawa DS, Gretskih DV, Lihograj VG, Strelnytskyi AE, Sukhomlinov DV, Strelnytskyi AA, Babanskaya EV, Krikun EV. New research results of nonlinear effects and spectral efficiency in the radio channels of the modern communication systems. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 510-1. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404610		

			18. Luchaninov AI, Shifrin YS. Mathematical model of antenna with lumped nonlinear elements. Telecommun Radio Eng [Internet]. 2007;66(9):763-803. Available from: www.scopus.com		
			19. Sidorov YG, Luchaninov AI. Adaptive antenna arrays with configurable antenna elements. In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 20072007. p. 390-1. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368760		
			20. Sydorov Y, Luchaninov A, Kostjuk S. Matrix model of adaptive antenna array with reconfigurable radiators. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 105. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297491		
			21. Vlasenko LA, Rutkas AG, Luchaninov AI. Modeling of nonlinear schemes in time domain, which contain transmission lines and networks with lumped parameters. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 135-6. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676320		
			22. Luchaninov AI, Gavva DS, Krikyn EV. Convergence condition for non-linear electrodynamic devices. Radioelectron Commun Syst [Internet]. 2011;54(2):104-13. Available from: www.scopus.com		

			23. Skorikova YV, Luchaninov AI. Reconfigurable antenna structural synthesis problem peculiarities. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 543-4. Available from: www.scopus.com		
			24. Luchaninov AI, Krykun EV, Gavva DS. Modeling of nonlinear effects in HTS resonator. In: 8th International Conference on Antenna Theory and Techniques, ICATT'11 [Internet]; 20112011. p. 250-3. Available from: www.scopus.com DOI: 10.1109/ICATT.2011.6170752		
			25. Luchaninov AI, Gavva DS, Krykun EV, Vishniakova JV. Modeling of nonlinear effects in HTSC filters. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 176-7. Available from: www.scopus.com		
			26. Luchaninov A, Medvedev E, Rashid Owaid S. Peculiarities of Poklington equation application to carbon nanotube antennas analysis. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 491. Available from: www.scopus.com		
			27. Vishniakova JV, Luchaninov AI. Reconfigurable antenna design algorithm. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 491-2. Available from: www.scopus.com		

			28. Vishniakova JV, Luchaninov AI. Application of antenna theory with nonlinear elements for MIMO analysis. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 2013. p. 166-8. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650713		
			29. Luchaninov AI, Medvedev EA, Owaid SR. Carbon nanotubes interference. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 2013. p. 509-11. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650829		
			30. Luchaninov AI, Krikun EV, Gavva DS. Simulation of nonlinear effects of high temperature superconducting resonators and filters. Telecommun Radio Eng [Internet]. 2013;72(9):829-40. Available from: www.scopus.com		
			31. Vishniakova JV, Luchaninov AI. Mathematical model of MIMO system with nonlinear effects. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2013. p. 967-8. Available from: www.scopus.com		
			32. Luchaninov AI, Medvedev EA, Wide SR. The pocklington equation application to analysis of antennas made of carbon nanotubes. Telecommun Radio Eng [Internet]. 2014;73(15):1313-25. Available from: www.scopus.com		
			33. Luchaninov AI, Gretskih DV, Medvedev EA, Chemerovskiy AS. Mutual influence of carbon nanotubes. Telecommun Radio Eng [Internet]. 2015;74(15):1327-41. Available from: www.scopus.com		

				34. Luchaninov AI, Gavva DS, Wide SR. Oscillators with a nonuniform distribution of surface impedance nonlinearity. Telecommun Radio Eng [Internet]. 2015;74(6):469-94. Available from: www.scopus.com		
				35. Gretskih DV, Gomozov AV, Luchaninov AI, Nesterenko MV. Mathematical model of large aperture rectenna lattice. In: Proceedings of International Seminar/Workshop on Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory, DIPED [Internet]; 20162016. p. 92-4. Available from: www.scopus.com DOI: 10.1109/DIPED.2016.7772223		
				36. Gretskih DV, Gomozov AV, Katrich VA, Luchaninov AI, Nesterenko MV, Penkin YM. Mathematical model of large rectenna arrays for wireless energy transfer. Prog Electromagn Res B [Internet]. 2017;74(1):77-91. Available from: www.scopus.com		
				37. Gretskih DV, Luchaninov AI, Vishniakova JV, Katrich VA, Nesterenko MV. Electrodynamic Model of a Wireless Power Transmission System. In: Proceedings of International Seminar/Workshop on Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory, DIPED [Internet]; 20182018. p. 80-5. Available from: www.scopus.com DOI: 10.1109/DIPED.2018.8543290		
АКТ	ПЕЕА	ПАНЧЕНКО ОЛЕКСАНДР ЮРІЙОВИЧ	37	1. Andrianov VA, Panchenko AY. Reconstruction of altitude profiles of the refractive index of the atmospheric boundary layer from acoustic and radioacoustic remote measurements. Sov J Commun Technol Electron [Internet]. 1991;36(6):83-90. Available from: www.scopus.com	5	Liu, Chang; Panchenko, A. Y.; Slipchenko, N., I; Zaichenko, O. B.; Open type coaxial sensor. Integral equation of the electric field in the aperture plane; VISNYK NTUU KPI SERIIA-RADIOTEKHNIKA RADIOAPARATOBUDUVANNIA; 2017

			2. Panchenko AY. Equation of state in the set of acoustics equations for a moving non-uniform medium. Telecommun Radio Eng [Internet]. 1997;51(4):22-5. Available from: www.scopus.com		Liu, Chang; Zaichenko, O. B.; Panchenko, A. Yu; Slipchenko, N., I; Near-field open coaxial sensor. Measurement aperture spatial resolution ability evaluation; VISNYK NTUU KPI SERIIA-RADIOTEKHNIKA RADIOAPARATOBUDUVANNIA; 2017
			3. Panchenko AY, Gordiyenko YE, Far RS. The given field approximation used to determine characteristics of aperture type microwave cavity sensors. Telecommun Radio Eng [Internet]. 1997;51(11-12):105-12. Available from: www.scopus.com		Chang, Liu; Panchenko, A. Yu; Slipchenko, N., I; ESTIMATION OF EFFICIENCY OF PAA APPLICATION TO REDUCING OF LOWER BOUNDARY OF SOUNDING WITH RASS; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
			4. Panchenko AY. Application of modulation principles for increasing the information capacity of microwave transducers. Telecommun Radio Eng [Internet]. 1998;52(10):38-40. Available from: www.scopus.com		Panchenko, AY; Effect of mutual excitation of electromagnetic and acoustic waves in a cavity resonator; 1998 INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, VOLS 1 AND 2; 1998
			5. Panchenko AY. Modeling a small aperture resonator type microwave meter of substance parameters. Telecommun Radio Eng [Internet]. 1998;52(8):42-4. Available from: www.scopus.com		ANDRIANOV, VA; PANCHENKO, AY; RETRIEVAL OF HEIGHT PROFILES OF REFRACTIVE-INDEX OF ATMOSPHERIC BOUNDARY-LAYER ACCORDING TO THE ACOUSTIC AND RADIOACOUSTIC REMOTE-SENSING; RADIOTEKHNIKA I ELEKTRONIKA; 1990 35
			6. Panchenko AY. Effect of mutual excitation of electromagnetic and acoustic waves in a cavity resonator. Math Methods Electromag Theory MMET Conf Proc [Internet]. 1998;2:847-9. Available from: www.scopus.com		

				7. Gordienko YE, Panchenko AY, Ryabukhin AA. Theoretical analysis of a microwave toroidal cavity transducer. Telecommun Radio Eng [Internet]. 1999;53(12):41-8. Available from: www.scopus.com		
				8. Gordiyenko YY, Panchenko AY, Kocherzin AI, Ryabukhin AA. Microwave resonator transducers for moisture measuring. In: 2000 10th International Crimean Microwave Conference "Microwave and Telecommunication Technology", CriMico 2000 [Internet]; 20002000. p. 543-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.2000.1256219		
				9. Sayenko V, Panchenko A. Design of policy based network traffic management system. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 6th International Conference, CADSM 2001 [Internet]; 20012001. p. 227-9. Available from: www.scopus.com DOI: 10.1109/CADSM.2001.975819		
				10. Panchenko AY. Determining the frequency shifts of resonance cavities that result from acoustic disturbance of the filling medium. Telecommun Radio Eng [Internet]. 2002;57(4):18-22. Available from: www.scopus.com		
				11. Gordienko YY, Panchenko AY. Modulation conversions of information signals in resonance gauges of parameters of objects and mediums. Telecommun Radio Eng [Internet]. 2003;60(7-9):170-80. Available from: www.scopus.com		

			12. Ulyanov Y, Maksymova N, Panchenko A. On the use of acoustic and radioacoustic methods of PBL remote sensing for assessment of radiowave propagation conditions. Telecommun Radio Eng [Internet]. 2006;65(15):1357-69. Available from: www.scopus.com		
			13. Panchenko AY, Lovin MS. The method of theoretical calibration of transient process by electromagnetic field in resonator sorption moisture meter. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 747-8. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676584		
			14. Panchenko AY, Slipchenko NI. Teoretical discription of transformation function of adsorption microwave hygrometers. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 1061-2. Available from: www.scopus.com		
			15. Panchenko AY, Alferov NE, Mariuh VA. Development of methods for signal processing of acoustic sounding of the atmosphere to predict the conditions of radiowave propagation. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 1077-8. Available from: www.scopus.com		

			16. Slipchenko NI, Chang L, Panchenko AY. On the issue of solving the diffraction problem of radioacoustic atmospheric sounding by bistatic systems. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 1075-6. Available from: www.scopus.com		
			17. Panchenko AY, Alferov NE, Maryuh VA. Acoustic aerial for the experimental research sodar. In: 8th International Conference on Antenna Theory and Techniques, ICATT'11 [Internet]; 20112011. p. 309-11. Available from: www.scopus.com DOI: 10.1109/ICATT.2011.6170767		
			18. Slipchenko NI, Chang L, Panchenko AY. Diffraction problem in bistatic zone of radio acoustic sounding systems. In: 8th International Conference on Antenna Theory and Techniques, ICATT'11 [Internet]; 20112011. p. 112-4. Available from: www.scopus.com DOI: 10.1109/ICATT.2011.6170722		
			19. Bazavluk A, Kuzmin A, Telegin A, Tsivilyov I, Panchenko A, Minzakirov I. Special features of transient processes at ground faults in long-distance transmission lines. In: PQ 2012: 8th International Conference - 2012 Electric Power Quality and Supply Reliability, Conference Proceedings [Internet]; 20122012. p. 187-92. Available from: www.scopus.com DOI: 10.1109/PQ.2012.6256225		
			20. Panchenko AY, Slipchenko NI, Liu C. Comparison of radar and acoustic methods for atmosphere sounding. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet];		

				20122012. p. 1033-4. Available from: www.scopus.com		
				21. Vasylyev IV, Zherdev AV, Zaichenko OB, Kalyapin YV, Kluchnik II, Panchenko AY, Radeiko BM. Specialized multiprobe multimeters in technological high power microwave plants. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 927-8. Available from: www.scopus.com		
				22. Panchenko AY. Intensity of scattered acoustic waves in the atmospheric boundary layer in the absence of heat sources on a surface. Telecommun Radio Eng [Internet]. 2013;72(9):759-65. Available from: www.scopus.com		
				23. Liu C, Panchenko AY, Slipchenko NI. Radio acoustic sounding systems: Part 1. the diffraction problem for a bistatic zone. Telecommun Radio Eng [Internet]. 2013;72(14):1289-96. Available from: www.scopus.com		
				24. Panchenko AY. Radio acoustic sounding systems: Part 3. parameters of received signal at the low sounding path. Telecommun Radio Eng [Internet]. 2013;72(16):1487-96. Available from: www.scopus.com		
				25. Chang L, Panchenko AY, Slipchenko NI. Radio acoustic sounding systems: Part 2. use of the fresnel approximation concept for a received signal notation. Telecommun Radio Eng [Internet]. 2013;72(15):1399-409. Available from: www.scopus.com		

			<p>26. Chang L, Panchenko AY, Slipchenko NI. Diffraction problem solution for bistatic zone of Radio Acoustic Sounding Systems. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 1134-5. Available from: www.scopus.com</p>		
			<p>27. Slipchenko NI, Panchenko AY, Borodkina AN. Analytical model features of quarter-wave resonator microwave sensor for monitoring of cardiovascular pathologies. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20142014. p. 1051-2. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959755</p>		
			<p>28. Chang L, Panchenko AY, Slipchenko NI. Estimation of efficiency of PAA application to reducing of lower boundary of sounding with rass. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20142014. p. 1089-90. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959774</p>		
			<p>29. Panchenko AY, Slipchenko NI, Borodkina AN. On the development of a practical technique of theoretical calibration of resonant sensors for near-field microwave diagnostics. Telecommun Radio Eng [Internet]. 2014;73(15):1397-407. Available from: www.scopus.com</p>		

				30. Liu C, Panchenko AY, Slipchenko MI. Atmospheric radio acoustic sounding systems with controlled array antennas. part 2: Diffraction problem. Telecommun Radio Eng [Internet]. 2015;74(19):1745-53. Available from: www.scopus.com		
				31. Slipchenko NI, Panchenko AY, Borodkina AN. Improvement of the analytical model of a quarter-wave resonator sensor for cardiovascular scanning. Telecommun Radio Eng [Internet]. 2015;74(4):345-54. Available from: www.scopus.com		
				32. Mingming W, Liu C, Yu Panchenko A, Slipchenko NI. Evaluation of influence of microwave radiation sensor in the form of an open end of the coaxial line on its metrological characteristics. Telecommun Radio Eng [Internet]. 2015;74(15):1355-66. Available from: www.scopus.com		
				33. Liu C, Panchenko AY, Slipchenko MI, Ulyanov YN. Atmospheric radio acoustic sounding systems with controlled array antennas. part 1: Performance evaluation of controlled aa. Telecommun Radio Eng [Internet]. 2015;74(17):1545-52. Available from: www.scopus.com		
				34. Lu C, Panchenko AY, Slipchenko NI. An integral equation for the field distribution within the aperture plane of a coaxial sensor. Telecommun Radio Eng [Internet]. 2016;75(7):587-94. Available from: www.scopus.com		
				35. Liu C, Panchenko AY, Slipchenko NI. Analysis of the properties of the integral equation for the field distribution across the aperture of a coaxial sensor. Telecommun Radio Eng [Internet]. 2016;75(11):969-77. Available from: www.scopus.com		

				36. Liu C, Bondarenko IN, Panchenko AY, Slipchenko NI. Electrodynamics sensor for assessing transformations of the state of water in biological objects. Telecommun Radio Eng [Internet]. 2018;77(12):1103-12. Available from: www.scopus.com		
				37. Liu C, Bondarenko IN, Derevyanko OA, Panchenko OY. Simulation of the process of estimation of changes in the state of water in biological objects in the microwave range. Telecommun Radio Eng [Internet]. 2018;77(18):1619-29. Available from: www.scopus.com		
КІУ	АПІОТ	ХАХАНОВА ГАННА ВОЛОДИМИРІ ВНА	35	1. Babich AV, Pobegenko I, Hahanova AV. Structural method of fault location in a LAN Segment. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 7th International Conference, CADSM 2003 [Internet]; 20032003. p. 237-40. Available from: www.scopus.com DOI: 10.1109/CADSM.2003.1255045	16	Barannik, Vladimir; Ryabukha, Yuriy; Okladnoy, Dmitry; Lytvinenko, Mykhailo; Hahanova, Anna; Lekakh, Albert; Calculation of the Input Coefficients of the OFDM Symbol, the Researching of the Data's Quality Reception Depending on the Type of Signal Code Construction; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2017
				2. Hahanova A, Chugurov I, Parfentiy A, Obrizan V. Model of deductive-parallel fault analysis. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 598-601. Available from: www.scopus.com		Hahanov, Vladimir; Gharibi, Wajeb; Litvinova, Eugenia; Liubarskyi, Mykhailo; Hahanova, Anastasia; Quantum Memory-driven Computing for Test Synthesis; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2017
				3. Kaminska M, Hahanov V, Hahanova A, Parfentiy A. Fault coverage improving based on testability analysis of the VHDL code. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 354-6. Available		Hahanov, Vladimir; Hussein, Mazen Abdelrahman Abdelaziz; Hahanova, Anna; Man, Ka Lok; Cyber Physical Computing; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2016

				from: www.scopus.com DOI: 10.1109/CADSM.2007.4297578		
				4. Hahanov VI, Kaminska MO, Ghribi W, Hahanova AV. Hardware fault free simulation for SOC. In: Proceedings of the 14th International Conference "Mixed Design of Integrated Circuits and Systems", MIXDES 2007 [Internet]; 2007. p. 424-8. Available from: www.scopus.com DOI: 10.1109/MIXDES.2007.4286197		Kulitsa, Oleg; Okladnoy, Dmitry; Tverdokhlebov, Vitaly; Hahanova, Anna; The Development Method for Evaluating the Saturation of Video Frame Blocks to Reduce the Processing Time of the Video Stream; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2016
				5. Hahanov V, Hahanova A, Chumachenko S, Galagan S. Diagnosis and repair method of SoC memory. WSEAS Trans Circuits Syst [Internet]. 2008;7(7):698-707. Available from: www.scopus.com		Hahanova, Yulia; Yemelyanov, Igor; Hahanova, Anna; Obrizan, Volodymyr; Krulevska, Daria; Skorobogatiy, Mikhail; Metric for Analyzing Big Data; PROCEEDINGS OF XIII INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015
				6. Chumachenko S, Gharibi W, Hahanova A, Sushanov A. SoC software components diagnosis technology. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS'08 [Internet]; 2008. p. 155-8. Available from: www.scopus.com DOI: 10.1109/EWDTS.2008.5580135		Hahanov, Vladimir; Gharibi, Wajeb; Abramova, L. S.; Chumachenko, Svetlana; Litvinova, Eugenia; Hahanova, Anna; Rustinov, Vladimir; Miz, Vladimir; Zhalilo, Aleksey; Ziarnand, Artur; Cyber Physical System - Smart Cloud Traffic Control; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2014
				7. Hahanov V, Hahanova A, Obrizan V, Zaharov K. Technologies for hardware simulation and verification. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer		Ryabukha, Yu.; Krivonos, Vladimir; Hahanova, Anna; Video Decompression Technology in Information and Communication Technologies; 2014 IEEE

			Science - Proceedings of the International Conference [Internet]; 20082008. p. 560-4. Available from: www.scopus.com	EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2014
			8. Barannik V, Hahanova A, Slobodyanyuk A. Architectural presentation of isotopic levels of relief of images. In: Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 10th International Conference, CADSM 2009 [Internet]; 20092009. p. 385-7. Available from: www.scopus.com	Abbas, Murad Ali; Chumachenko, S. V.; Hahanova, A. V.; Gorobets, A. A.; Priymak, A.; Models for Quality Analysis of Computer Structures; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013
			9. Hahanov V, Hahanova A, Zakaryan V. Cyber space evolution. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS'10 [Internet]; 20102010. p. 208-14. Available from: www.scopus.com DOI: 10.1109/EWDTS.2010.5742127	Krasnorutskiy, A. A.; Hahanova, A. V.; Demedetskiy, A. O.; Method of coding bitmap transformant to improve image compression while maintaining a predetermined quality image to be transmitted in infocommunication real time systems; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013
			10. Ktiaman H, Hahanova A, Shcherbin D. High-speed technology for the solving logical problems. In: 2011 11th International Conference - The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2011 [Internet]; 20112011. p. 79-84. Available from: www.scopus.com	Hahanov, Vladimir; Chumachenko, Svetlana; Hahanova, Anna; Dementiev, Sergey; Qubit Models for Logic Circuits; 2013 12TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013); 2013
			11. Hahanov V, Mischenko A, Chumachenko S, Hahanova A, Priymak A. Spam diagnosis infrastructure for individual cyberspace. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS'2011 [Internet]; 20112011. p. 161-8. Available from: www.scopus.com DOI: 10.1109/EWDTS.2011.6116408	Barannik, Vladimir; Hahanova, Anna; Slobodyanyuk, Alexander; Architectural Presentation of Isotopic Levels of Relief of Images; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS: PROCEEDINGS OF

					THE XTH INTERNATIONAL CONFERENCE CADSM 2009; 2009
				12. Litvinova E, Hahanova A, Gorobets A, Priymak A. Verification system for SoC HDL-code. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 2012. p. 348. Available from: www.scopus.com	Hahanov, V. I.; Hahanova, A. V.; Chumachenko, S. V.; Galagan, S. S.; OPTIMAL EMBEDDED REPAIRING OF SOC MEMOR; PROCEEDINGS OF THE 12TH WSEAS INTERNATIONAL CONFERENCE ON CIRCUITS: NEW ASPECTS OF CIRCUITS; 2008
				13. Hahanov V, Chumachenko S, Hahanova A, Dementiev S. Qubit models for logic circuits. In: 2013 12th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2013 [Internet]; 2013. p. 115-9. Available from: www.scopus.com	Kaminska, Maryna; Hahanov, Vladimir; Hahanova, Anna; Parfentiy, Alexander; Fault coverage improving based on testability analysis of the VHDL code; 2007 PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2007 10.1109/CADSM.2007.4297578
				14. Barannik VV, Hahanova AV, Krivonos VN. Coding tangible component of transforms to provide accessibility and integrity of video data. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS 2013 [Internet]; 2013. Available from: www.scopus.com DOI: 10.1109/EWDTS.2013.6673179	Hahanov, V. I.; Kaminska, M. O.; Ghribi, W.; Hahanova, A. V.; Hardware fault free simulation for SOC; MIXDES 2007: Proceedings of the 14th International Conference on Mixed Design of Integrated Circuits and Systems; 2007
				15. Barannik V, Krasnoruckiy A, Hahanova A. The positional structural-weight coding of the binary view of transformants. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS 2013 [Internet]; 2013. Available from: www.scopus.com DOI:	Hahanova, A; Chugurov, I; Parfentiy, A; Obrizan, V; Model of deductive-parallel fault analysis; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE,

				10.1109/EWDTS.2013.6673178		PROCEEDINGS; 2004
				16. Krasnorutskiy AA, Hahanova AV, Demedetskiy AO. Method of coding bitmap transformant to improve image compression while maintaining a predetermined quality image to be transmitted in infocommunication real time systems. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS 2013 [Internet]; 20132013Available from: www.scopus.com DOI: 10.1109/EWDTS.2013.6673124		Babich, AV; Pobegenko, I; Hahanova, AV; Structural method of fault location in a LAN segment; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2003 10.1109/CADSM.2003.1255045
				17. Abbas MA, Chumachenko SV, Hahanova AV, Gorobets AA, Priymak A. Models for quality analysis of computer structures. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS 2013 [Internet]; 20132013Available from: www.scopus.com DOI: 10.1109/EWDTS.2013.6673170		
				18. Kharchenko NA, Hahanova AV. Development of compression algorithm for video flow based on processing of predicted frames. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 410-1. Available from: www.scopus.com		
				19. Ryabukha Y, Krivonos V, Hahanova A. Video decompression technology in information and communication technologies. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS 2014 [Internet]; 20142014Available from: www.scopus.com DOI: 10.1109/EWDTS.2014.7027106		

				20. Abbas BAA, Dahiri F, Hahanova A. Qubit method for diagnosing digital systems. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2014 [Internet]; 20142014Available from: www.scopus.com DOI: 10.1109/EWDTs.2014.7027110		
				21. Hahanov V, Gharibi W, Abramova LS, Chumachenko S, Litvinova E, Hahanova A, Rustinov V, Miz V, Zhalilo A, Ziarmand A. Cyber physical system - smart cloud traffic control. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2014 [Internet]; 20142014Available from: www.scopus.com DOI: 10.1109/EWDTs.2014.7027107		
				22. Chumachenko S, Shkil A, Hahanova A, Ziarmand A, Pryimak A. Quantum data structures for SoC design. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 355-7.Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230875		
				23. Hahanova Y, Yemelyanov I, Hahanova A, Obrizan V, Krulevska D, Skorobogatiy M. Metric for analyzing big data. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 81-3.Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230801		
				24. Hahanov V, Litvinova E, Brazhnikova M, Hahanova A. Cyber democracy and digital relationship. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on		

				TCSET 2016 [Internet]; 20162016. p. 545-8. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452110		
				25. Hahanov V, Chumachenko S, Hahanova A, Mishchenko A, Hussein MAA, Filippenko I. CyUni service - Smart cyber university. In: Proceedings of 2015 IEEE East-West Design and Test Symposium, EWDTs 2015 [Internet]; 20162016 Available from: www.scopus.com DOI: 10.1109/EWDTs.2015.7493103		
				26. Hahanov V, Hussein MAA, Hahanova A, Man KL. Cyber physical computing. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807670		
				27. Kulitsa O, Okladnoy D, Tverdokhle V, Hahanova A. The development method for evaluating the saturation of video frame blocks to reduce the processing time of the video stream. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807753		
				28. Mishchenko O, Hahanov V, Abdullayev V, Litvinova E, Chumachenko S, Hahanova A. Cloud service for university E-government. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807660		
				29. Hahanov V, Gharibi W, Litvinova E, Liubarskyi M, Hahanova A. Quantum memory-driven computing for test synthesis. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet];		

				20172017 Available from: www.scopus.com DOI: 10.1109/EWDTS.2017.8110147		
				30. Hahanov V, Soklakova T, Hahanova A, Chumachenko S. Cyber social computing In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 233-50. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_12		
				31. Hahanov V, Litvinova E, Chumachenko S, Hahanova A. Cyber physical computing In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 1-20. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_1		
				32. Hahanov V, Litvinova E, Chumachenko S, Hahanov I, Hahanova A. Methods for quantum analysis of digital circuits. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 790-6. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336317		
				33. Barannik V, Krasnorutsky A, Larin V, Hahanova A, Shulgin S. Model of syntactic representation of aerophoto images segments. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 974-7. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336356		

				34. Hahanov V, Chumachenko S, Litvinova E, Hahanova A. Cyber-physical social monitoring and governance for the state structures. In: Proceedings of 2018 IEEE 9th International Conference on Dependable Systems, Services and Technologies, DESSERT 2018 [Internet]; 20182018. p. 123-9. Available from: www.scopus.com DOI: 10.1109/DESSERT.2018.8409112		
				35. Hahanov V, Chumachenko S, Litvinova E, Hacimahmud AV, Hahanova A, Soklakova T. Cyber Social Computing. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTs 2018 [Internet]; 20182018 Available from: www.scopus.com DOI: 10.1109/EWDTs.2018.8524663		
IK	IKI	СРЕМЕНКО ОЛЕКСАНДРА СЕРГІЙВНА	34	1. Lemeshko OV, Garkusha SV, Yeremenko OS, Hailan AM. Policy-based QoS management model for multiservice networks. In: 2015 International Siberian Conference on Control and Communications, SIBCON 2015 - Proceedings [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1109/SIBCON.2015.7147124	26	Lemeshko, Oleksandr V.; Yeremenko, Oleksandra S.; Tariki, Nadia; Hailan, Ahmad M.; Fault-Tolerance Improvement for Core and Edge of IP Network; 2016 XITH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT); 2016
				2. Yeremenko O. Enhanced flow-based model of multipath routing with overlapping by nodes paths. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 42-5. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357264		Lemeshko, Oleksandr; Yeremenko, Oleksandra; Dynamic Presentation of Tensor Model for Multipath QoS-Routing; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016

			3. Yeremenko O, Lebedenko T, Vavenko T, Semenyaka M. Investigation of queue utilization on network routers by the use of dynamic models. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 46-9.Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357265	Yeremenko, Oleksandra; Tariki, Nadia; Hailan, Ahmad M.; Fault-Tolerant IP Routing Flow-Based Model; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
			4. Yeremenko O. Development of the dynamic tensor model for traffic management in a telecommunication network with the support of different classes of service. East -Eur J Enterp Technol [Internet]. 2016;6(9-84):12-9. Available from: www.scopus.com	Lemeshko, Oleksandr V.; Yeremenko, Oleksandra S.; Dynamics Analysis of Multipath QoS-Routing Tensor Model with Support of Different Flows Classes; 2016 INTERNATIONAL CONFERENCE ON SMART SYSTEMS AND TECHNOLOGIES (SST); 2016
			5. Lemeshko O, Yeremenko O. Dynamic presentation of tensor model for multipath QoS-routing. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 601-4.Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452128	Yeremenko, Oleksandra; Lebedenko, Tetiana; Vavenko, Tetiana; Semenyaka, Maxim; Investigation of Queue Utilization on Network Routers by the Use of Dynamic Models; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
			6. Yeremenko O, Tariki N, Hailan AM. Fault-tolerant IP routing flow-based model. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 655-7.Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452143	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Nevzorova, Olena; HIERARCHICAL METHOD OF INTER-AREA FAST REROUTING; TRANSPORT AND TELECOMMUNICATION JOURNAL; 2017 18 10.1515/ttj-2017-0015

			7. Lemeshko OV, Yeremenko OS, Hailan AM. Investigation of multipath QoS-routing dynamic tensor model. In: 2016 International Conference on Electronics and Information Technology, EIT 2016 - Conference Proceedings [Internet]; 20162016 Available from: www.scopus.com DOI: 10.1109/ICEAIT.2016.7500992	Yeremenko, Oleksandra S.; Lemeshko, Oleksandr V.; Tariki, Nadia; Fast ReRoute Scalable Solution with Protection Schemes of Network Elements; 2017 IEEE FIRST UKRAINE CONFERENCE ON ELECTRICAL AND COMPUTER ENGINEERING (UKRCON); 2017
			8. Lemeshko OV, Yeremenko OS, Tariki N, Hailan AM. Fault-tolerance improvement for core and edge of IP network. In: Computer Sciences and Information Technologies - Proceedings of the 11th International Scientific and Technical Conference, CSIT 2016 [Internet]; 20162016. p. 161-4. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2016.7589895	Yeremenko, Oleksandra S.; Lemeshko, Oleksandr V.; Nevzorova, Olena S.; Hailan, Ahmad M.; Method of Hierarchical QoS Routing Based on Network Resource Reservation; 2017 IEEE FIRST UKRAINE CONFERENCE ON ELECTRICAL AND COMPUTER ENGINEERING (UKRCON); 2017
			9. Lemeshko OV, Yeremenko OS, Hailan AM. QoS solution of traffic management based on the dynamic tensor model in the coordinate system of inter-polar paths and internal node pairs. In: 2016 IEEE International Scientific Conference "Radio Electronics and Info Communications", UkrMiCo 2016 - Conference Proceedings [Internet]; 20162016 Available from: www.scopus.com DOI: 10.1109/UkrMiCo.2016.7739625	Yeremenko, Oleksandra; Enhanced Flow-based Model of Multipath Routing with Overlapping by Nodes Paths; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
			10. Lemeshko OV, Yeremenko OS. Dynamics analysis of multipath QoS-routing tensor model with support of different flows classes. In: Proceedings of 2016 International Conference on Smart Systems and Technologies, SST 2016 [Internet]; 20162016. p. 225-30. Available from: www.scopus.com DOI: 10.1109/SST.2016.7765664	Yeremenko, Oleksandra; Yevdokymenko, Maryna; Persikov, Anatoliy; Flow-Aware Approach of Evaluating Probability of Compromise in Combined Structure Network; 2017 2ND IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION AND COMMUNICATION TECHNOLOGIES-2017 (AICT 2017); 2017

			11. Lemeshko O, Yeremenko O, Tariki N. Solution for the default gateway protection within fault-tolerant routing in an IP network. Int J Electr Comput Eng [Internet]. 2017;8(1):19-26. Available from: www.scopus.com	Yeremenko, Oleksandra; Tariki, Nadia; Vavenko, Tetiana; Default Gateway Protection Scheme in Fault-Tolerant IP Routing; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
			12. Lemeshko OV, Yeremenko OS, Tariki N. Improvement of flow-oriented fast reroute model based on scalable protection solutions for telecommunication network elements. Telecommun Radio Eng [Internet]. 2017;76(6):477-90. Available from: www.scopus.com	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Yevdokymenko, Maryna; Tensor Model of Fault-Tolerant QoS Routing with Support of Bandwidth and Delay Protection; 2018 IEEE 13TH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE ON COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT), VOL 1; 2018
			13. Lemeshko O, Yeremenko O. Routing tensor model presented in the basis of interpolator paths and internal node pairs. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 2017. p. 201-4. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905381	Lemeshko, Oleksandr; Al-Dulaimi, Aymen M. K.; Yeremenko, Oleksandra; Yevdokymenko, Maryna; Comparative Analysis of Solutions for Management of Time-Frequency Resource in LTE Downlink; PROCEEDINGS OF THE 2018 IEEE 4TH INTERNATIONAL SYMPOSIUM ON WIRELESS SYSTEMS WITHIN THE INTERNATIONAL CONFERENCES ON INTELLIGENT DATA ACQUISITION AND ADVANCED COMPUTING SYSTEMS (IDAACS-SWS); 2018
			14. Yeremenko O, Tariki N, Vavenko T. Default gateway protection scheme in fault-tolerant IP routing. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Enhanced method of fast re-routing with load balancing in software-defined networks; JOURNAL OF ELECTRICAL

			and Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 223-6. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905389	ENGINEERING-ELEKTROTECHNICKY CASOPIS; 2017 68 10.1515/jee-2017-0079
			15. Yeremenko O, Nevzorova O, Ali AS. Two-level method of fault-tolerant inter-area routing. In: 2017 14th International Conference The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 20172017. p. 105-8. Available from: www.scopus.com DOI: 10.1109/CADSM.2017.7916096	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Nevzorova, Olena; Vavenko, Tetiana; Three-level Method of Hierarchical Coordination Routing in Multi-Area Network; 2017 SECOND INTERNATIONAL CONFERENCE ON INFORMATION AND TELECOMMUNICATION TECHNOLOGIES AND RADIO ELECTRONICS (UKRMICO); 2017
			16. Lemeshko O, Yeremenko O, Hailan AM. Design of QoS-routing scheme under the timely delivery constraint. In: 2017 14th International Conference The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 20172017. p. 97-9. Available from: www.scopus.com DOI: 10.1109/CADSM.2017.7916094	Yeremenko, Oleksandra; Lemeshko, Oleksandr; Tariki, Nadia; Hailan, Ahmad M.; Research of Optimization model of Fault-Tolerant Routing with Bilinear Path Protection Criterion; 2017 2ND IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION AND COMMUNICATION TECHNOLOGIES-2017 (AICT 2017); 2017
			17. Lemeshko O, Yeremenko O, Nevzorova O. Hierarchical method of inter-area fast rerouting. Transp Telecommun [Internet]. 2017;18(2):155-67. Available from: www.scopus.com	Radivilova, Tamara; Kirichenko, Lyudmyla; Yeremenko, Oleksandra; Calculation of Routing Value in MPLS Network According to Traffic Fractal Properties; 2017 2ND IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION AND COMMUNICATION TECHNOLOGIES-2017 (AICT 2017); 2017

			18. Yeremenko O, Yevdokymenko M, Persikov A. Flow-aware approach of evaluating probability of compromise in combined structure network. In: 2nd International Conference on Advanced Information and Communication Technologies, AICT 2017 - Proceedings [Internet]; 2017. p. 258-61. Available from: www.scopus.com DOI: 10.1109/AIACT.2017.8020114	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Hailan, Ahmad M.; Two-level Method of Fast ReRouting in Software-Defined Networks; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
			19. Yeremenko O, Lemeshko O, Tariki N, Hailan AM. Research of optimization model of fault-tolerant routing with bilinear path protection criterion. In: 2nd International Conference on Advanced Information and Communication Technologies, AICT 2017 - Proceedings [Internet]; 2017. p. 219-22. Available from: www.scopus.com DOI: 10.1109/AIACT.2017.8020105	Yeremenko, Oleksandra; Lemeshko, Oleksandr; Persikov, Anatoliy; Enhanced Method of Calculating the Probability of Message Compromising Using Overlapping Routes in Communication Network; PROCEEDINGS OF THE 2017 12TH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE ON COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT 2017), VOL. 1; 2017
			20. Radivilova T, Kirichenko L, Yeremenko O. Calculation of routing value in MPLS network according to traffic fractal properties. In: 2nd International Conference on Advanced Information and Communication Technologies, AICT 2017 - Proceedings [Internet]; 2017. p. 250-3. Available from: www.scopus.com DOI: 10.1109/AIACT.2017.8020112	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Tariki, Nadia; Solution for the Default Gateway Protection within Fault-Tolerant Routing in an IP Network; INTERNATIONAL JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING SYSTEMS; 2017 8 10.32985/ijeces.8.1.3
			21. Lemeshko O, Yeremenko O. Enhanced method of fast re-routing with load balancing in software-defined networks. J Electr Eng [Internet]. 2017;68(6):444-54. Available from: www.scopus.com	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Hailan, Ahmad M.; Design of QoS-Routing Scheme under the Timely Delivery Constraint; 2017 14TH INTERNATIONAL CONFERENCE: THE

					EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM); 2017
				22. Lemeshko O, Yeremenko O, Nevzorova O, Vavenko T. Three-level method of hierarchical coordination routing in multi-Area network. In: 2nd International Conference on Information and Telecommunication Technologies and Radio Electronics, UkrMiCo 2017 - Proceedings [Internet]; 2017. Available from: www.scopus.com DOI: 10.1109/UkrMiCo.2017.8095410	Yeremenko, Oleksandra; Nevzorova, Olena; Ali, Ali Salem; Two-Level Method of Fault-Tolerant Inter-Area Routing; 2017 14TH INTERNATIONAL CONFERENCE: THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM); 2017
				23. Yeremenko OS, Lemeshko OV, Tariki N. Fast ReRoute scalable solution with protection schemes of network elements. In: 2017 IEEE 1st Ukraine Conference on Electrical and Computer Engineering, UKRCON 2017 - Proceedings [Internet]; 2017. p. 783-8. Available from: www.scopus.com DOI: 10.1109/UKRCON.2017.8100353	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Routing Tensor Model Presented in the Basis of Interpolar Paths and Internal Node Pairs; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
				24. Yeremenko OS, Lemeshko OV, Nevzorova OS, Hailan AM. Method of hierarchical QoS routing based on network resource reservation. In: 2017 IEEE 1st Ukraine Conference on Electrical and Computer Engineering, UKRCON 2017 - Proceedings [Internet]; 2017. p. 971-6. Available from: www.scopus.com DOI: 10.1109/UKRCON.2017.8100393	Lemeshko, Oleksandr V.; Yeremenko, Oleksandra S.; Hailan, Ahmad M.; Investigation of Multipath QoS-Routing Dynamic Tensor Model; 2016 INTERNATIONAL CONFERENCE ON ELECTRONICS AND INFORMATION TECHNOLOGY (EIT); 2016
				25. Yeremenko O, Lemeshko O, Persikov A. Enhanced method of calculating the probability of message compromising using overlapping routes in communication network. In: Proceedings of the 12th International Scientific and Technical Conference on	Lemeshko, Oleksandr V.; Yeremenko, Oleksandra S.; Hailan, Ahmad M.; QoS Solution of Traffic Management Based on the Dynamic Tensor Model in the Coordinate System of Interpolar Paths and Internal Node

			Computer Sciences and Information Technologies, CSIT 2017 [Internet]; 20172017. p. 87-90. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2017.8098743		Pairs; 2016 International Conference Radio Electronics & Info Communications (UkrMiCo); 2016
			26. Yeremenko AS. A two-level method of hierarchical-coordination QoS-routing on the basis of resource reservation. Telecommun Radio Eng [Internet]. 2018;77(14):1231-47. Available from: www.scopus.com		Lemeshko, Olexandr V.; Garkusha, Sergey V.; Yeremenko, Oleksandra S.; Hailan, Ahmad M.; Policy-based QoS Management Model for Multiservice Networks; 2015 INTERNATIONAL SIBERIAN CONFERENCE ON CONTROL AND COMMUNICATIONS (SIBCON); 2015
			27. Yeremenko O, Lemeshko O, Persikov A. Secure routing in reliable networks: Proactive and reactive approach; 2018. 631 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-70581-1_44		
			28. Lemeshko O, Yeremenko O, Hailan AM. Two-level method of fast ReRouting in software-defined networks. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 376-9. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246420		
			29. Lemeshko O, Yeremenko O. Linear optimization model of MPLS Traffic engineering fast ReRoute for link, node, and bandwidth protection. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 1009-13. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336365		

			30. Lebedenko T, Yeremenko O, Harkusha S, Ali AS. Dynamic model of queue management based on resource allocation in telecommunication networks. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018. p. 1035-8. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336371		
			31. Lemeshko O, Al-Dulaimi AMK, Yeremenko O, Yevdokymenko M. Comparative analysis of solutions for management of time-frequency resource in LTE Downlink. In: Proceedings of the 2018 IEEE 4th International Symposium on Wireless Systems within the International Conferences on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS-SWS 2018 [Internet]; 2018. p. 108-11. Available from: www.scopus.com DOI: 10.1109/IDAACS-SWS.2018.8525626		
			32. Lemeshko O, Yeremenko O, Yevdokymenko M. Tensor model of fault-tolerant QoS routing with support of bandwidth and delay protection. In: 2018 IEEE 13th International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2018 - Proceedings [Internet]; 2018. p. 135-8. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2018.8526707		
			33. Yeremenko O, Lemeshko O. QoS ensuring over probability of timely delivery in multipath routing; 2019. 244 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-91008-6_25		

				34. Lemeshko O, Lebedenko T, Yeremenko O, Simonenko O. Mathematical model of queue management with flows aggregation and bandwidth allocation; 2019. 165 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-91008-6_17		
АКТ	КІТАМ	ФІЛІПЕНКО ОЛЕКСАНДР ІВАНОВИЧ	34	1. Filipenko AI. Method for fiber optic radiation analysis. Telecommun Radio Eng [Internet]. 1997;51(4):26-8. Available from: www.scopus.com	18	Filipenko, Oleksandr; Sychova, Oksana; Ponomaryova, Anna; Optical Losses at Angle Relative Rotation in Photonic Crystal Fiber Connections; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
				2. Filipenko AI, Malik BA. Precision control of the components of the fiber-optic data transmission system. Telecommun Radio Eng [Internet]. 1997;51(4):29-31. Available from: www.scopus.com		Filipenko, Oleksandr; Sychova, Oksana; Ponomaryova, Ganna; Determining of the Photonic-Crystal Fibers Mode Field Size at His Near Field Image; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
				3. Filipenko AI. A method for analyzing radiation intensity and its application to manufacture of fiber optic components. Telecommun Radio Eng [Internet]. 1998;52(12):52-4. Available from: www.scopus.com		Filipenko, Oleksandr; Donskov, Oleksandr; Chala, Olena; The Influence of Geometric Characteristic on a Bandwidth of the Photonic Crystal Waveguide; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015

			<p>4. Filipenko AI. Fiber connector end face analysis by interference method. In: Proceedings of LFNM 2000: 2nd International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20002000. p. 74-6. Available from: www.scopus.com DOI: 10.1109/LFNM.2000.854045</p>	<p>Nevlydov, Igor; Filipenko, Oleksandr; Volkova, Mariya; Ponomaryova, Ganna; MEMS-based Inertial Sensor Signals and Machine Learning Methods for Classifying Robot Motion; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018</p>
			<p>5. Filipenko AI. End face nonperpendicularity analysis in fiber connectors. In: Proceedings of LFNM 2001 - 3rd International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20012001. p. 53-5. Available from: www.scopus.com DOI: 10.1109/LFNM.2001.930203</p>	<p>Filipenko, Oleksandr; Sychova, Oksana; Improving of Photonic Crystal Fibers Connection Quality Using Positioning by the Autoconvolution Method; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017</p>
			<p>6. Filipenko AI, Nevludov IS, Lebedev OG. Fiber refractive index profile determination from the measured near field intensity. In: Proceedings of LFNM 2002 - 4th International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20022002. p. 345-8. Available from: www.scopus.com DOI: 10.1109/LFNM.2002.1014217</p>	<p>Filipenko, Oleksandr; Donskov, Oleksandr; Investigation of the 2-D Photonic Crystal Demultiplexer; 2016 IEEE 7TH INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS (CAOL); 2016</p>
			<p>7. Filipenko AI. The fiber connector end monitoring with the interference method. Telecommun Radio Eng [Internet]. 2002;58(11-12):144-7. Available from: www.scopus.com</p>	<p>Filipenko, O. I.; Donskov, O. N.; Saliieva, V. E.; Optimization of the input edge geometry of 2-D photonic crystal waveguide; 2016 IEEE 7TH INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS (CAOL); 2016</p>

			8. Filipenko AI, Nevludov IS. Core position identification at the optical fibers connection by an autoconvolution method. In: Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL [Internet]; 20032003. p. 124-8. Available from: www.scopus.com DOI: 10.1109/CAOL.2003.1251284	Filipenko, O.; Sychova, O.; The Identification Method of the Photonic-Crystal Fiber Mode Field Diameter Maximum Position: Experimental Researches; 2016 IEEE 7TH INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS (CAOL); 2016
			9. Filipenko AI. Determining of refractive index profile of optical fibers from measured intensity in near-field zone. Telecommun Radio Eng [Internet]. 2003;60(7-9):86-91. Available from: www.scopus.com	Filipenko, A; Nevludov, I; Sichova, O; Form parameters definition of optical fibers welded connection; LFNM 2004: PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON LASER AND FIBER-OPTICAL NETWORKS MODELING; 2004
			10. Filipenko A, Nevludov I. Core position identification at the optical fibers connection by an autoconvolution method. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 20042004. p. 269-77. Available from: www.scopus.com DOI: 10.1117/12.583482	Filipenko, AI; End face nonperpendicularity analysis in fiber connectors; LFNM'2001: PROCEEDINGS OF THE 3RD INTERNATIONAL WORKSHOP ON LASER AND FIBER-OPTICAL NETWORKS MODELING; 2001 10.1109/LFNM.2001.930203
			11. Filipenko A, Nevludov I. Control of optical fibers positioning at manufacturing optical connectors and welding splices. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 480-3. Available from: www.scopus.com	Filipenko, AI; Fiber connector end face analysis by interference method; PROCEEDINGS OF LFNM'2000: 2ND INTERNATIONAL WORKSHOP ON LASER AND FIBER-OPTICAL NETWORKS MODELING; 2000 10.1109/LFNM.2000.854045
			12. Filipenko A, Nevludov I, Sichova O. Form parameters definition of optical fibers welded connection. In: Proceedings of LFNM 2004 - 6th International Conference on Laser and Fiber-Optical Networks Modeling [Internet]; 20042004. p. 188-	Filipenko, Alexander; Nevludov, Igor; Sicheva, Oksana; Processing of interference images at the control of surface parameters of an optical fiber components - art. no. 70091D; SECOND INTERNATIONAL CONFERENCE ON

			95. Available from: www.scopus.com	ADVANCED OPTOELECTRONICS AND LASERS; 2008 7009 10.1117/12.793879
			13. Filipenko A, Nevludov I, Sicheva O. Processing technique of interference images at the control of parameters of an optical fiber components surfaces. In: Proceedings of CAOL 2005: 2nd International Conference on Advanced Optoelectronics and Lasers [Internet]; 2005. p. 345-8. Available from: www.scopus.com DOI: 10.1109/CAOL.2005.1553999	Filipenko, A.; Nevludov, I.; Sicheva, O.; Automatization of the control technological processes of optical fiber components parameters; 2007 INTERNATIONAL WORKSHOP ON OPTOELECTRONIC PHYSICS AND TECHNOLOGY; 2007
			14. Filipenko A, Sychova O. The analysis of creation perspectives of photonic crystal fiber components. In: 8th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2006 [Internet]; 2006. p. 483-5. Available from: www.scopus.com DOI: 10.1109/LFNM.2006.252090	Filipenko, Alexander; Sychova, Oksana; The analysis of creation perspectives of photonic crystal fibre components; LFNM 2006: 8TH INTERNATIONAL CONFERENCE ON LASER AND FIBER-OPTICAL NETWORKS MODELING, PROCEEDINGS; 2006
			15. Filipenko A, Nevludov I, Sicheva O. Automatization of the control technological processes of optical fiber components parameters. In: OPT 2007 - International Workshop Optoelectronic Physics and Technology [Internet]; 2007. p. 39. Available from: www.scopus.com DOI: 10.1109/OPT.2007.4298525	Filipenko, A; Nevludov, I; Sicheva, O; Processing technique of interference images at the control of parameters of an optical fiber components surfaces; CAOL 2005: PROCEEDINGS OF THE 2ND INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS, VOL 2; 2005
			16. Filipenko A, Nevludov I, Sicheva O. Processing of interference images at the control of surface parameters of optical fiber components. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 2008. Available from: www.scopus.com DOI: 10.1117/12.793879	Filipenko, A; Nevludov, I; Control of optical fibers positioning at manufacturing optical connectors and welding splices; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2004

			17. Filipenko A, Nevludov I, Sychova O. Optical power transmission coefficient in photonic-crystal fiber connection. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 409-11. Available from: www.scopus.com	Filipenko, A; Nevludov, I; Core position identification at the optical fibers connection by an autoconvolution method; ADVANCED OPTOELECTRONICS AND LASERS; 2003 5582 10.1117/12.583482
			18. Filipenko AI, Sychova OV, Legka OV. Research on welding action on dispersion properties of fiber-optic link components. Telecommun Radio Eng [Internet]. 2009;68(20):1821-31. Available from: www.scopus.com	Filipenko, AI; Nevludov, IS; Lebedev, OG; Fiber refractive index profile determination from the measured near field intensity; LFNM'2002: PROCEEDINGS OF THE 4TH INTERNATIONAL WORKSHOP ON LASER AND FIBER-OPTICAL NETWORKS MODELING; 2002 10.1109/LFNM.2002.1014217
			19. Filipenko AI, Sychova OV. Research of autoconvolution method efficiency under control of photonic crystal fibers positioning. In: Proceedings - 10th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2010 [Internet]; 20102010. p. 143-5. Available from: www.scopus.com DOI: 10.1109/LFNM.2010.5624218	
			20. Filipenko AI, Ponomaryova AV. Analysis of the dynamics shaping microstructured optical fiber during drawing process. In: Proceedings - 10th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2010 [Internet]; 20102010. p. 139-42. Available from: www.scopus.com DOI: 10.1109/LFNM.2010.5624221	

			21. Filipenko AI, Donskov AN. Impact of geometrical behaviors on operation parameters of a microstructured optical fiber. In: Conference Proceedings - 11th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2011 [Internet]; 2011. Available from: www.scopus.com DOI: 10.1109/LFNM.2011.6144997		
			22. Filipenko AI, Dyachenko EL, Kazimirova VN. Research into mirrors surface reflectivity for MEMS optical switches. Telecommun Radio Eng [Internet]. 2012;71(16):1495-502. Available from: www.scopus.com		
			23. Filipenko AI, Donskov AN. Investigation of the 2-D photonic crystal filter. Proc Int Conf Adv Optoelectron Lasers, CAOL [Internet]. 2013:58-9. Available from: www.scopus.com		
			24. Filipenko AI, Sychova OV. Research of misalignments and cross-sectional structure influence on optical loss in photonic crystal fibers connections. Proc Int Conf Adv Optoelectron Lasers, CAOL [Internet]. 2013:85-7. Available from: www.scopus.com		
			25. Filipenko AI, Donskov AN. Influence of geometrical structure on the pass band of 2-D photonic crystal filter. Telecommun Radio Eng [Internet]. 2014;73(11):985-92. Available from: www.scopus.com		
			26. Filipenko O, Donskov O, Chala O. The influence of geometric characteristics on a bandwidth of the photonic crystal waveguide. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 2015. p. 93-4. Available from: www.scopus.com DOI:		

				10.1109/INFOCOMMST.2015.7357279		
				27. Filipenko O, Sychova O, Ponomaryova A. Optical losses at angle relative rotation in photonic crystal fiber connections. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 104-7.Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357283		
				28. Filipenko O, Donskov O. Investigation of the 2-D photonic crystal demultiplexer. In: Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL [Internet]; 20162016. p. 60-1.Available from: www.scopus.com DOI: 10.1109/CAOL.2016.7851375		
				29. Filipenko O, Sychova O. The identification method of the photonic-crystal fiber mode field diameter maximum position: Experimental researches. In: Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL [Internet]; 20162016. p. 105-7.Available from: www.scopus.com DOI: 10.1109/CAOL.2016.7851393		
				30. Filipenko OI, Donskov ON, Saliieva VE. Optimization of the input edge geometry of 2-D photonic crystal waveguide. In: Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL [Internet]; 20162016. p. 78-9.Available from: www.scopus.com DOI: 10.1109/CAOL.2016.7851382		

			31. Filipenko O, Sychova O, Ponomaryova G. Determining of the photonic-crystal fibers mode field size at his near field image. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 81-3. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905342		
			32. Filipenko OI, Donskov OM. Determining the dependence of photonic band gap characteristics on the material refractive index. Telecommun Radio Eng [Internet]. 2018;77(1):39-46. Available from: www.scopus.com		
			33. Filipenko O, Sychova O. Improving of photonic crystal fibers connection quality using positioning by the autoconvolution method. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 493-6. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246446		
			34. Nevlydov I, Filipenko O, Volkova M, Ponomaryova G. MEMS-Based Inertial Sensor Signals and Machine Learning Methods for Classifying Robot Motion. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 13-6. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478613		

Науков о- дослід на частин а	СЕМЕНЯКА АНДРІЙ ВІКТОРОВИЧ	31	1. Lekhovytskiy D, Ryabykha V, Zarytskiy V, Zhuga G, Rachkov D, Semenyaka A. Adaptive lattice filters for band-inverse covariance matrix approximations. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 2010. p. 338. Available from: www.scopus.com	14	Rachkov, Dmytro S.; Lekhovytskiy, David I.; Semeniaka, Andrii V.; Atamanskiy, Dmytro V.; Laurukevich, Uladzimir U.; Pushkov, Alexander A.; Estimation of Meteorological Objects Energy Spectra in Pulse Doppler Weather Radar; 2013 14TH INTERNATIONAL RADAR SYMPOSIUM (IRS), VOLS 1 AND 2; 2013
			2. Rachkov DS, Semeniaka AV, Lekhovytskiy DI. Estimation of the meteorological formations parameters in pulsed doppler weather radars with arbitrary staggering of pulse repetition intervals. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 2011. Available from: www.scopus.com DOI: 10.1117/12.905098		Lekhovytskiy, David I.; Semeniaka, Andrii V.; Rachkov, Dmytro S.; Statistical Analysis of Accuracy Estimation of the Continuous Energy Spectra in Pulse Doppler Weather Radars; 2017 18TH INTERNATIONAL RADAR SYMPOSIUM (IRS); 2017
			3. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Laurukevich UU, Pushkov AA. Statistical analysis of estimation accuracy of the meteorological formations parameters in pulsed Doppler weather radars with arbitrary staggering of pulse repetition intervals. In: International Radar Symposium, IRS 2011 - Proceedings [Internet]; 2011. p. 273-8. Available from: www.scopus.com		Riabukha, V. P.; Lekhovytskiy, D. I.; Katiushyn, Y. A.; Semeniaka, A. V.; Choice of Number, Structure and Placement of Compensation Modules in the Radar with Planar PAA; 2017 XI INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2017
			4. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Ryabukha VP, Atamanskiy DV. Spectral moment estimation of weather echoes in pulsed Doppler weather radars: Mean power. In: 2011 Microwaves, Radar and Remote Sensing Symposium, MRRS-2011 - Proceedings [Internet]; 2011. p. 228-31. Available from: www.scopus.com DOI: 10.1109/MRRS.2011.6053642		Lekhovytskiy, D. I.; Atamanskiy, D. V.; Riabukha, V. P.; Rachkov, D. S.; Semeniaka, A. V.; COMBINING TARGET DETECTION AGAINST THE BACKGROUND OF JAMMING SIGNALS AND JAMMING SIGNAL DOA ESTIMATION; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015

			5. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Ryabukha VP, Atamanskiy DV. Spectral moment estimation of weather echoes in pulsed Doppler weather radars: Spectrum width. In: 2011 Microwaves, Radar and Remote Sensing Symposium, MRRS-2011 - Proceedings [Internet]; 20112011. p. 236-9. Available from: www.scopus.com DOI: 10.1109/MRRS.2011.6053644	Riabukha, V. P.; Semeniaka, A. V.; Rachkov, D. S.; Katyushyn, Ye. A.; ACCURACY OF TARGET DIRECTION FINDING UNDER ACTION OF EXTERNAL NOISE RADIATIONS IN BIDIMENSIONAL ADAPTIVE ARRAYS; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
			6. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Ryabukha VP, Atamanskiy DV. Spectral moment estimation of weather echoes in pulsed Doppler weather radars: Mean radial velocity. In: 2011 Microwaves, Radar and Remote Sensing Symposium, MRRS-2011 - Proceedings [Internet]; 20112011. p. 232-5. Available from: www.scopus.com DOI: 10.1109/MRRS.2011.6053643	Rachkov, Dmytro S.; Lekhovytskiy, David I.; Semeniaka, Andrii V.; Riabukha, Viacheslav P.; Statistical Analysis of Ground Clutter and Point Targets Impact on Accuracy of Weather Echoes Parameters Estimation; 2015 16TH INTERNATIONAL RADAR SYMPOSIUM (IRS); 2015
			7. Semeniaka AV, Rachkov DS. Overview and comparative analysis of Toeplitz covariance matrix estimation methods for space-time signal processing. In: 8th International Conference on Antenna Theory and Techniques, ICATT'11 [Internet]; 20112011. p. 238-40. Available from: www.scopus.com DOI: 10.1109/ICATT.2011.6170749	Lekhovytskiy, David I.; Rachkov, Dmytro S.; Semeniaka, Andrii V.; K - rank Modification of Adaptive Lattice Filter Parameters; 2015 IEEE INTERNATIONAL RADAR CONFERENCE (RADARCON); 2015
			8. Semeniaka AV, Lekhovytskiy DI, Rachkov DS. Comparative analysis of Toeplitz covariance matrix estimation methods for space-time adaptive signal processing. In: Proceedings of 2011 IEEE CIE International Conference on Radar, RADAR 2011 [Internet]; 20112011. p. 696-9. Available from: www.scopus.com DOI: 10.1109/CIE-Radar.2011.6159636	Semeniaka, Andrii V.; Lekhovytskiy, David I.; Rachkov, Dmytro S.; The Systolic Design of Two-dimensional and Multidimensional Lattice Filters for Space-Time Signal Processing; 2014 11TH EUROPEAN RADAR CONFERENCE (EURAD); 2014

			9. Ryabukha VP, Rachkov DS, Semeniaka AV, Katiushyn IA. Estimation of spatial weight vector fixation interval for sequential space-time signal processing against the background of combined interferences. Radioelectron Commun Syst [Internet]. 2012;55(10):443-51. Available from: www.scopus.com	Rachkov, Dmytro S.; Lekhovytskiy, David I.; Semeniaka, Andrii V.; Statistical Analysis of Meteorological Echoes Mean Power Estimate; 2014 IEEE MICROWAVES, RADAR AND REMOTE SENSING SYMPOSIUM (MRRS); 2014
			10. Rachkov DS, Semeniaka AV, Lekhovytskiy DI, Atamanskiy DV. Estimation of continuous energy spectra of random echoes in coherent pulse radar. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 2013. p. 319-22. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650764	Lekhovytskiy, David I.; Rachkov, Dmytro S.; Semeniaka, Andrii V.; Atamanskiy, Dmytro V.; Riabukha, Viacheslav P.; Quasioptimal Algorithms for Batch Coherent Signals Interperiod Processing Against Background Clutter; 2014 15TH INTERNATIONAL RADAR SYMPOSIUM (IRS); 2014
			11. Ryabukha VP, Dokhov AI, Zarytskiy VI, Rachkov DS, Semeniaka AV, Katiushin IA, Zarytskaia VV. Convergence rate of a number of signal processing algorithms in adaptive arrays. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 2013. p. 304-6. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650759	Rachkov, Dmytro S.; Lekhovytskiy, David I.; Semeniaka, Andrii V.; Riabukha, Viacheslav P.; Atamanskiy, Dmytro V.; Lattice-Filter-Based Ground Clutter Canceller for Pulse Doppler Weather Radar; 2014 15TH INTERNATIONAL RADAR SYMPOSIUM (IRS); 2014
			12. Rachkov DS, Lekhovytskiy DI, Semeniaka AV, Atamanskiy DV, Laurukevich UU, Pushkov AA. Estimation of meteorological objects energy spectra in pulse Doppler weather radar. In: Proceedings International Radar Symposium [Internet]; 2013. p. 811-7. Available from: www.scopus.com	Rachkov, Dmytro S.; Lekhovytskiy, David I.; Semeniaka, Andrii V.; Vovshin, Boris M.; Laurukevich, Uladzimir U.; Lattice Implementation of Superresolving Methods for Meteorological Objects Spectra Estimation; 2014 15TH INTERNATIONAL RADAR SYMPOSIUM (IRS); 2014
			13. Semeniaka AV, Lekhovytskiy DI, Rachkov DS. The systolic design of two-dimensional and multidimensional lattice filters for space-time signal processing. In: European Microwave Week 2014: "Connecting the Future", EuMW 2014 - Conference	Semeniaka, Andrii V.; Lekhovytskiy, David I.; Rachkov, Dmytro S.; The Systolic Design of Two-dimensional and Multidimensional Lattice Filters for Space-Time Signal Processing; 2014 44TH EUROPEAN MICROWAVE

			Proceedings; EuRAD 2014: 11th European Radar Conference [Internet]; 20142014. p. 545-8. Available from: www.scopus.com DOI: 10.1109/EuRAD.2014.6991328		CONFERENCE (EUMC); 2014
			14. Semeniaka AV, Lekhovytskiy DI, Rachkov DS. The systolic design of two-dimensional and multidimensional lattice filters for space-time signal processing. In: European Microwave Week 2014: Connecting the Future, EuMW 2014 - Conference Proceedings; EuMC 2014: 44th European Microwave Conference [Internet]; 20142014. p. 1848-51. Available from: www.scopus.com DOI: 10.1109/EuMC.2014.6986820		Rachkov, Dmytro S.; Semeniaka, Andrii V.; Lekhovytskiy, David I.; Estimation of the meteorological formations parameters in pulsed Doppler weather radars with arbitrary staggering of pulse repetition intervals; PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH-ENERGY PHYSICS EXPERIMENTS 2011; 2011 8008 10.1117/12.905098
			15. Rachkov DS, Lekhovytskiy DI, Semeniaka AV. Statistical analysis of meteorological echoes mean power estimate. In: 2014 IEEE Microwaves, Radar and Remote Sensing Symposium, MRRS 2014 - Proceedings [Internet]; 20142014. p. 22-5. Available from: www.scopus.com DOI: 10.1109/MRRS.2014.6956656		
			16. Rachkov DS, Lekhovytskiy DI, Semeniaka AV, Riabukha VP, Atamanskiy DV. Lattice-filter-based ground clutter canceller for pulse Doppler weather radar. In: Proceedings International Radar Symposium [Internet]; 20142014 Available from: www.scopus.com DOI: 10.1109/IRS.2014.6869251		
			17. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Atamanskiy DV, Riabukha VP. Quasioptimal algorithms for batch coherent signals interperiod processing against background clutter. In: Proceedings International Radar Symposium [Internet];		

				20142014Available from: www.scopus.com DOI: 10.1109/IRS.2014.6869195		
				18. Rachkov DS, Lekhovytskiy DI, Semeniaka AV, Vovshin BM, Laurukevich UU. Lattice implementation of 'superresolving' methods for meteorological objects spectra estimation. In: Proceedings International Radar Symposium [Internet]; 20142014Available from: www.scopus.com DOI: 10.1109/IRS.2014.6869229		
				19. Lekhovytskiy DI, Rachkov DS, Semeniaka AV. K - Rank modification of adaptive lattice filter parameters. In: IEEE National Radar Conference - Proceedings [Internet]; 20152015. p. 127-32.Avaliable from: www.scopus.com DOI: 10.1109/RADAR.2015.7130983		
				20. Riabukha VP, Semeniaka AV, Rachkov DS, Katyushyn YA. Accuracy of target direction finding under action of external noise radiations in bidimensional adaptive arrays. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 20152015Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136814		
				21. Lekhovytskiy DI, Atamanskiy DV, Riabukha VP, Rachkov DS, Semeniaka AV. Combining target detection against the background of jamming signals and jamming signal DOA estimation. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 20152015Available from: www.scopus.com DOI:		

				10.1109/ICATT.2015.7136777		
				22. Rachkov DS, Lekhovytskiy DI, Semeniaka AV, Riabukha VP. Statistical analysis of ground clutter and point targets impact on accuracy of weather echoes parameters estimation. In: Proceedings International Radar Symposium [Internet]; 2015. p. 604-9. Available from: www.scopus.com DOI: 10.1109/IRS.2015.7226400		
				23. Lekhovytskiy DI, Atamanskiy DV, Rachkov DS, Semeniaka AV. Improvement of accuracy of meteorological objects velocity unambiguous measurement in doppler weather radars with staggered pulse repetition times. Radioelectron Commun Syst [Internet]. 2015;58(9):385-403. Available from: www.scopus.com		
				24. Lekhovytskiy DI, Atamanskiy DV, Rachkov DS, Semeniaka AV. Estimation of the energy spectrums of reflections in pulse doppler weather radars. part 1. modifications of the spectral estimation algorithms. Radioelectron Commun Syst [Internet]. 2015;58(12):523-50. Available from: www.scopus.com		
				25. Riabukha VP, Semeniaka AV, Rachkov DS, Katiushyn YA. Errors of target direction finding by radars with planar arrays under the influence of external noise radiations. Radioelectron Commun Syst [Internet]. 2016;59(6):244-50. Available from: www.scopus.com		

			26. Lekhovytskiy DI, Atamanskiy DV, Rachkov DS, Semeniaka AV. Estimation of the energy spectrums of reflections in pulse doppler weather radars. part 2. extreme performance. Radioelectron Commun Syst [Internet]. 2016;59(9):379-96. Available from: www.scopus.com		
			27. Lekhovytskiy DI, Atamanskiy DV, Rachkov DS, Semeniaka AV. Estimation of the energy spectrums of reflections in pulse doppler weather radars. part 3. statistical analysis of the reconstruction techniques of continuous spectrums of the reflections from meteorological objects. Radioelectron Commun Syst [Internet]. 2017;60(2):47-79. Available from: www.scopus.com		
			28. Riabukha VP, Lekhovytskiy DI, Katiushyn YA, Semeniaka AV. Choice of number, structure and placement of compensation modules in the radar with planar PAA. In: 2017 11th International Conference on Antenna Theory and Techniques, ICATT 2017 [Internet]; 20172017. p. 197-8. Available from: www.scopus.com DOI: 10.1109/ICATT.2017.7972620		
			29. Lekhovytskiy DI, Semeniaka AV, Rachkov DS. Statistical analysis of accuracy estimation of the continuous energy spectra in pulse Doppler weather radars. In: Proceedings International Radar Symposium [Internet]; 20172017 Available from: www.scopus.com DOI: 10.23919/IRS.2017.8008175		
			30. Riabukha VP, Lekhovitskiy DI, Semenyaka AV, Katyushin EA. An exploratory model of the hardware-software unit for adaptive digital time signal processing against the background of masking clutters. In: 2017 IEEE 1st Ukraine Conference on Electrical and		

				Computer Engineering, UKRCON 2017 - Proceedings [Internet]; 20172017. p. 55-8. Available from: www.scopus.com DOI: 10.1109/UKRCON.2017.8100458		
				31. Semeniaka AV, Lekhovytskiy DI, Atamanskiy DV. Adaptive performance of quasi-optimal inter-period processing systems. In: Proceedings International Radar Symposium [Internet]; 20182018 Available from: www.scopus.com DOI: 10.23919/IRS.2018.8447908		
	Науков о-дослід на частин а	РАЧКОВ ДМИТРО СЕРГІЙОВИЧ	31	1. Lekhovytskiy D, Ryabykha V, Zarytskiy V, Zhuga G, Rachkov D, Semenyaka A. Adaptive lattice filters for band-inverse covariance matrix approximations. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 338. Available from: www.scopus.com	14	Rachkov, Dmytro S.; Lekhovytskiy, David I.; Semeniaka, Andrii V.; Atamanskiy, Dmytro V.; Laurukevich, Uladzimir U.; Pushkov, Alexander A.; Estimation of Meteorological Objects Energy Spectra in Pulse Doppler Weather Radar; 2013 14TH INTERNATIONAL RADAR SYMPOSIUM (IRS), VOLS 1 AND 2; 2013
				2. Lekhovytskiy DI, Abramovich YI, Dokhov OI, Zarytskyi VI, Zhuga GA, Rachkov DS. Band-diagonal regularization of Gaussian interference covariance matrices ML estimates. In: 2010 IEEE Sensor Array and Multichannel Signal Processing Workshop, SAM 2010 [Internet]; 20102010. p. 141-4. Available from: www.scopus.com DOI: 10.1109/SAM.2010.5606721		Lekhovytskiy, David I.; Semeniaka, Andrii V.; Rachkov, Dmytro S.; Statistical Analysis of Accuracy Estimation of the Continuous Energy Spectra in Pulse Doppler Weather Radars; 2017 18TH INTERNATIONAL RADAR SYMPOSIUM (IRS); 2017
				3. Rachkov DS, Semeniaka AV, Lekhovytskiy DI. Estimation of the meteorological formations parameters in pulsed doppler weather radars with arbitrary staggering of pulse repetition intervals. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 20112011 Available from: www.scopus.com DOI: 10.1117/12.905098		Lekhovytskiy, D. I.; Atamanskiy, D. V.; Riabukha, V. P.; Rachkov, D. S.; Semeniaka, A. V.; COMBINING TARGET DETECTION AGAINST THE BACKGROUND OF JAMMING SIGNALS AND JAMMING SIGNAL DOA ESTIMATION; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES

					(ICATT); 2015
				4. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Laurukevich UU, Pushkov AA. Statistical analysis of estimation accuracy of the meteorological formations parameters in pulsed Doppler weather radars with arbitrary staggering of pulse repetition intervals. In: International Radar Symposium, IRS 2011 - Proceedings [Internet]; 2011. p. 273-8. Available from: www.scopus.com	Riabukha, V. P.; Semeniaka, A. V.; Rachkov, D. S.; Katyushyn, Ye. A.; ACCURACY OF TARGET DIRECTION FINDING UNDER ACTION OF EXTERNAL NOISE RADIATIONS IN BIDIMENSIONAL ADAPTIVE ARRAYS; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
				5. Laurukevich U, Pushkov A, Vylegzhanin I, Vovshin B, Lekhovytskiy D, Rachkov D. Estimation of energy, spectral and polarimetric characteristics of meteorological echoes in DMRL-C. In: International Radar Symposium, IRS 2011 - Proceedings [Internet]; 2011. p. 267-72. Available from: www.scopus.com	Rachkov, Dmytro S.; Lekhovytskiy, David I.; Semeniaka, Andrii V.; Riabukha, Viacheslav P.; Statistical Analysis of Ground Clutter and Point Targets Impact on Accuracy of Weather Echoes Parameters Estimation; 2015 16TH INTERNATIONAL RADAR SYMPOSIUM (IRS); 2015
				6. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Ryabukha VP, Atamanskiy DV. Spectral moment estimation of weather echoes in pulsed Doppler weather radars: Mean power. In: 2011 Microwaves, Radar and Remote Sensing Symposium, MRRS-2011 - Proceedings [Internet]; 2011. p. 228-31. Available from: www.scopus.com DOI: 10.1109/MRRS.2011.6053642	Lekhovytskiy, David I.; Rachkov, Dmytro S.; Semeniaka, Andrii V.; K - rank Modification of Adaptive Lattice Filter Parameters; 2015 IEEE INTERNATIONAL RADAR CONFERENCE (RADARCON); 2015
				7. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Ryabukha VP, Atamanskiy DV. Spectral moment estimation of weather echoes in pulsed Doppler weather radars: Spectrum width. In: 2011 Microwaves, Radar	Rachkov, Dmytro S.; Lekhovytskiy, David I.; Lattice-Filter-Based Unified Structure of System for Interperiod Processing of Weather Radar Signals; 2015 IEEE INTERNATIONAL

			and Remote Sensing Symposium, MRRS-2011 - Proceedings [Internet]; 20112011. p. 236-9. Available from: www.scopus.com DOI: 10.1109/MRRS.2011.6053644		RADAR CONFERENCE (RADARCON); 2015
			8. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Ryabukha VP, Atamanskiy DV. Spectral moment estimation of weather echoes in pulsed Doppler weather radars: Mean radial velocity. In: 2011 Microwaves, Radar and Remote Sensing Symposium, MRRS-2011 - Proceedings [Internet]; 20112011. p. 232-5. Available from: www.scopus.com DOI: 10.1109/MRRS.2011.6053643		Semeniaka, Andrii V.; Lekhovytskiy, David I.; Rachkov, Dmytro S.; The Systolic Design of Two-dimensional and Multidimensional Lattice Filters for Space-Time Signal Processing; 2014 11TH EUROPEAN RADAR CONFERENCE (EURAD); 2014
			9. Semeniaka AV, Rachkov DS. Overview and comparative analysis of Toeplitz covariance matrix estimation methods for space-time signal processing. In: 8th International Conference on Antenna Theory and Techniques, ICATT'11 [Internet]; 20112011. p. 238-40. Available from: www.scopus.com DOI: 10.1109/ICATT.2011.6170749		Rachkov, Dmytro S.; Lekhovytskiy, David I.; Semeniaka, Andrii V.; Statistical Analysis of Meteorological Echoes Mean Power Estimate; 2014 IEEE MICROWAVES, RADAR AND REMOTE SENSING SYMPOSIUM (MRRS); 2014
			10. Semeniaka AV, Lekhovytskiy DI, Rachkov DS. Comparative analysis of Toeplitz covariance matrix estimation methods for space-time adaptive signal processing. In: Proceedings of 2011 IEEE CIE International Conference on Radar, RADAR 2011 [Internet]; 20112011. p. 696-9. Available from: www.scopus.com DOI: 10.1109/CIE-Radar.2011.6159636		Lekhovytskiy, David I.; Rachkov, Dmytro S.; Semeniaka, Andrii V.; Atamanskiy, Dmytro V.; Riabukha, Viacheslav P.; Quasioptimal Algorithms for Batch Coherent Signals Interperiod Processing Against Background Clutter; 2014 15TH INTERNATIONAL RADAR SYMPOSIUM (IRS); 2014
			11. Ryabukha VP, Rachkov DS, Semeniaka AV, Katiushyn IA. Estimation of spatial weight vector fixation interval for sequential space-time signal processing against the background of combined interferences. Radioelectron Commun Syst [Internet].		Rachkov, Dmytro S.; Lekhovytskiy, David I.; Semeniaka, Andrii V.; Riabukha, Viacheslav P.; Atamanskiy, Dmytro V.; Lattice-Filter-Based Ground Clutter Canceller for Pulse Doppler Weather Radar; 2014 15TH

			2012;55(10):443-51. Available from: www.scopus.com	INTERNATIONAL RADAR SYMPOSIUM (IRS); 2014
			12. Rachkov DS, Semeniaka AV, Lekhovytskiy DI, Atamanskiy DV. Estimation of continuous energy spectra of random echoes in coherent pulse radar. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 20132013. p. 319-22. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650764	Rachkov, Dmytro S.; Lekhovytskiy, David I.; Semeniaka, Andrii V.; Vovshin, Boris M.; Laurukevich, Uladzimir U.; Lattice Implementation of Superresolving Methods for Meteorological Objects Spectra Estimation; 2014 15TH INTERNATIONAL RADAR SYMPOSIUM (IRS); 2014
			13. Ryabukha VP, Dokhov AI, Zarytskiy VI, Rachkov DS, Semeniaka AV, Katiushin IA, Zarytskaia VV. Convergence rate of a number of signal processing algorithms in adaptive arrays. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 20132013. p. 304-6. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650759	Semeniaka, Andrii V.; Lekhovytskiy, David I.; Rachkov, Dmytro S.; The Systolic Design of Two-dimensional and Multidimensional Lattice Filters for Space-Time Signal Processing; 2014 44TH EUROPEAN MICROWAVE CONFERENCE (EUMC); 2014
			14. Rachkov DS, Lekhovytskiy DI, Semeniaka AV, Atamanskiy DV, Laurukevich UU, Pushkov AA. Estimation of meteorological objects energy spectra in pulse Doppler weather radar. In: Proceedings International Radar Symposium [Internet]; 20132013. p. 811-7. Available from: www.scopus.com	Rachkov, Dmytro S.; Semeniaka, Andrii V.; Lekhovytskiy, David I.; Estimation of the meteorological formations parameters in pulsed Doppler weather radars with arbitrary staggering of pulse repetition intervals; PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH-ENERGY PHYSICS EXPERIMENTS 2011; 2011 8008 10.1117/12.905098
			15. Semeniaka AV, Lekhovytskiy DI, Rachkov DS. The systolic design of two-dimensional and multidimensional lattice filters for space-time signal processing. In: European Microwave Week 2014:	

			<p>"Connecting the Future", EuMW 2014 - Conference Proceedings; EuRAD 2014: 11th European Radar Conference [Internet]; 20142014. p. 545-8. Available from: www.scopus.com DOI: 10.1109/EuRAD.2014.6991328</p>		
			<p>16. Semeniaka AV, Lekhovytskiy DI, Rachkov DS. The systolic design of two-dimensional and multidimensional lattice filters for space-time signal processing. In: European Microwave Week 2014: Connecting the Future, EuMW 2014 - Conference Proceedings; EuMC 2014: 44th European Microwave Conference [Internet]; 20142014. p. 1848-51. Available from: www.scopus.com DOI: 10.1109/EuMC.2014.6986820</p>		
			<p>17. Rachkov DS, Lekhovytskiy DI, Semeniaka AV. Statistical analysis of meteorological echoes mean power estimate. In: 2014 IEEE Microwaves, Radar and Remote Sensing Symposium, MRRS 2014 - Proceedings [Internet]; 20142014. p. 22-5. Available from: www.scopus.com DOI: 10.1109/MRRS.2014.6956656</p>		
			<p>18. Rachkov DS, Lekhovytskiy DI, Semeniaka AV, Riabukha VP, Atamanskiy DV. Lattice-filter-based ground clutter canceller for pulse Doppler weather radar. In: Proceedings International Radar Symposium [Internet]; 20142014 Available from: www.scopus.com DOI: 10.1109/IRS.2014.6869251</p>		
			<p>19. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Atamanskiy DV, Riabukha VP. Quasioptimal algorithms for batch coherent signals interperiod processing against background clutter. In: Proceedings International Radar Symposium [Internet];</p>		

				20142014Available from: www.scopus.com DOI: 10.1109/IRS.2014.6869195		
				20. Rachkov DS, Lekhovytskiy DI, Semeniaka AV, Vovshin BM, Laurukevich UU. Lattice implementation of 'superresolving' methods for meteorological objects spectra estimation. In: Proceedings International Radar Symposium [Internet]; 20142014Available from: www.scopus.com DOI: 10.1109/IRS.2014.6869229		
				21. Rachkov DS, Lekhovytskiy DI. Lattice-filter-based unified structure of system for interperiod processing of weather radar signals. In: IEEE National Radar Conference - Proceedings [Internet]; 20152015. p. 1234-9.Available from: www.scopus.com DOI: 10.1109/RADAR.2015.7131183		
				22. Lekhovytskiy DI, Rachkov DS, Semeniaka AV. K - Rank modification of adaptive lattice filter parameters. In: IEEE National Radar Conference - Proceedings [Internet]; 20152015. p. 127-32.Available from: www.scopus.com DOI: 10.1109/RADAR.2015.7130983		
				23. Riabukha VP, Semeniaka AV, Rachkov DS, Katyushyn YA. Accuracy of target direction finding under action of external noise radiations in bidimensional adaptive arrays. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 20152015Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136814		

			24. Lekhovytskiy DI, Atamanskiy DV, Riabukha VP, Rachkov DS, Semeniaka AV. Combining target detection against the background of jamming signals and jamming signal DOA estimation. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 2015. Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136777		
			25. Rachkov DS, Lekhovytskiy DI, Semeniaka AV, Riabukha VP. Statistical analysis of ground clutter and point targets impact on accuracy of weather echoes parameters estimation. In: Proceedings International Radar Symposium [Internet]; 2015. p. 604-9. Available from: www.scopus.com DOI: 10.1109/IRS.2015.7226400		
			26. Lekhovytskiy DI, Atamanskiy DV, Rachkov DS, Semeniaka AV. Improvement of accuracy of meteorological objects velocity unambiguous measurement in doppler weather radars with staggered pulse repetition times. Radioelectron Commun Syst [Internet]. 2015;58(9):385-403. Available from: www.scopus.com		
			27. Lekhovytskiy DI, Atamanskiy DV, Rachkov DS, Semeniaka AV. Estimation of the energy spectrums of reflections in pulse doppler weather radars. part 1. modifications of the spectral estimation algorithms. Radioelectron Commun Syst [Internet]. 2015;58(12):523-50. Available from: www.scopus.com		

				28. Riabukha VP, Semeniaka AV, Rachkov DS, Katiushyn YA. Errors of target direction finding by radars with planar arrays under the influence of external noise radiations. Radioelectron Commun Syst [Internet]. 2016;59(6):244-50. Available from: www.scopus.com		
				29. Lekhovytskiy DI, Atamanskiy DV, Rachkov DS, Semeniaka AV. Estimation of the energy spectrums of reflections in pulse doppler weather radars. part 2. extreme performance. Radioelectron Commun Syst [Internet]. 2016;59(9):379-96. Available from: www.scopus.com		
				30. Lekhovytskiy DI, Atamanskiy DV, Rachkov DS, Semeniaka AV. Estimation of the energy spectrums of reflections in pulse doppler weather radars. part 3. statistical analysis of the reconstruction techniques of continuous spectrums of the reflections from meteorological objects. Radioelectron Commun Syst [Internet]. 2017;60(2):47-79. Available from: www.scopus.com		
				31. Lekhovytskiy DI, Semeniaka AV, Rachkov DS. Statistical analysis of accuracy estimation of the continuous energy spectra in pulse Doppler weather radars. In: Proceedings International Radar Symposium [Internet]; 20172017 Available from: www.scopus.com DOI: 10.23919/IRS.2017.8008175		
ЕЛБІ	МЕЕП П	БОНДАРЕНКО ІГОР МИКОЛАЙОВ ИЧ	30	1. Verkin BI, Mende FF, Trubitsin A, Bondarenko IN, Sinenko VD. Superconducting resonance systems in precise measuring units. Cryogenics [Internet]. 1976;16(9):519-20. Available from: www.scopus.com	5	Bondarenko, I. N.; Gordienko, Yu. Ye.; Levchenko, A. V.; Submillimetric Localization of Microwave Diagnostics and Modification of Objects of Various Nature; 2016 9TH INTERNATIONAL KHARKIV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND

					SUBMILLIMETER WAVES (MSMW); 2016
				2. Mende FF, Prentslay NN, Kozlovskiy OP, Trubizyn AV, Bondarenko IN. FREQUENCY STABILIZATION SYSTEM WITH A SUPERCONDUCTING RESONATOR. Telecommun Radio Eng [Internet]. 1977;31-32(3):63-5. Available from: www.scopus.com	Bondarenko, I. N.; Galich, A. V.; Troitski, S. I.; ABOUT SOME FEATURES OF FORMATION INFORMATION SIGNALS OF RESONANCE MEASURING CONVERTERS; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
				3. Bondarenko IN. Examination of dielectrics by means of the cooled microstrip resonators. Telecommun Radio Eng [Internet]. 1999;53(7-8):171-5. Available from: www.scopus.com	Bondarenko, I. N.; Galich, A., V; MICROSTRIP RESONANT SENSORS; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
				4. Bondarenko IN. Cryogenic resonators for frequency fluctuation measurement of the high stability microwave oscillators. Telecommun Radio Eng [Internet]. 2001;55(1):72-8. Available from: www.scopus.com	Zamyatin, VI; Baturin, OV; Bondarenko, IN; Chepiga, VM; Spatial forming of super broadband outgoing signals; ULTRAWIDEBAND AND ULTRASHORT IMPULSE SIGNALS, PROCEEDINGS; 2004 10.1109/UWBUS.2004.1388136
				5. Bondarenko IN. Dominant factors restricting limit values of electromagnetic fields in superconducting resonators. Telecommun Radio Eng [Internet]. 2002;57(1):14-29. Available from: www.scopus.com	Levagin, GA; Bondarenko, IN; Chepiga, VN; The statistical tests method application for calculating of the axisymmetric antennas characteristics; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003

			6. Bondarenko IN. Coherent heterodyne signal forming with the help of a high-Q cryogen resonator. Telecommun Radio Eng [Internet]. 2002;58(1-2):134-7. Available from: www.scopus.com		
			7. Bondarenko IN, Lavrinovich AA. Investigation of the thin-film high-temperature superconductivity coplanar line. Telecommun Radio Eng [Internet]. 2007;66(7):597-605. Available from: www.scopus.com		
			8. Bondarenko IN, Tkachenko ON. Compensatory properties of traveling-wave resonators with active elements. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 795-6. Available from: www.scopus.com		
			9. Bondarenko IN, Gordienko UE, Larkin SJ. Systems of information signals shaping in cavity microwave microscopy. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 563-4. Available from: www.scopus.com		
			10. Gordiyenko Y, Bondarenko I, Slipchenko N. Biological objects parameters meter based on microwave microscope with coaxial resonant sensor. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 137. Available from: www.scopus.com		

			11. Bondarenko IN. Properties of cooled and superconducting linear planar microwave structures. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 691-2. Available from: www.scopus.com		
			12. Bondarenko IN, Vasiliev YS, Zhizhiriy AS, Ishenko AL. Arrangement device for monitoring of parameters of microwave resonators. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 969-70. Available from: www.scopus.com		
			13. Bondarenko IN, Vasiliev YS. A pulsed method for measuring minor changes both in the q-factor and in resonant frequency of microwave resonators. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 889-90. Available from: www.scopus.com		
			14. Bondarenko IN, Vasiliev YS, Prokaza AM. Analysis of resonant trasducer characteristics for a scanning microwave microscope. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 665-6. Available from: www.scopus.com		
			15. Bondarenko IN, Vasiliev YS, Prokaza AM, Troitskiy SI. Resonant measuring trasducers on the basis of typical cavity resonators. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and		

				Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 568-9. Available from: www.scopus.com		
				16. Bondarenko IN, Galich AV, Slipchenko NI, Troitski SI. Cone-shaped resonator the high-order mode oscillation trasducers. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 565-7. Available from: www.scopus.com		
				17. Bondarenko IN, Galich AV, Troitski SI. High-Q modes in irregular hybrid structures. Telecommun Radio Eng [Internet]. 2013;72(19):1747-53. Available from: www.scopus.com		
				18. Bondarenko IN, Galich AV. Electrodeless lamps based on the resonant irregular microwave structures. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 1063-4. Available from: www.scopus.com		
				19. Bondarenko IN, Gordienko YY, Polishchuk AV, Slipchenko NI, Troitskiy SI. Signal generation, contrast and resolution in near-field microwave microscopy. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 724-5. Available from: www.scopus.com		
				20. Bondarenko IN, Galich AV. Microstrip resonant sensors. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference		

				Proceedings [Internet]; 20142014. p. 984-5. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959725		
				21. Bondarenko IN, Galich AV, Troitski SI. About some features of formation information signals of resonance measuring converters. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20142014. p. 908-9. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959688		
				22. Bondarenko IN, Galich AV. Measuring resonant transducers on the basis of microstrip structures. Telecommun Radio Eng [Internet]. 2015;74(9):807-14. Available from: www.scopus.com		
				23. Bondarenko I, Galich A. Resonant irregular hybrid structures. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 183-5. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452007		
				24. Bondarenko IN, Gordienko YY, Levchenko AV. Submillimetric localization of microwave diagnostics and modification of objects of various nature. In: 9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2016 [Internet]; 20162016 Available from: www.scopus.com DOI: 10.1109/MSMW.2016.7538014		

			25. Bondarenko IN, Gorbenko EA, Krasnoshchok VI. Microwave switch based on a waveguide T-junction for a compression resonant pulse former. Telecommun Radio Eng [Internet]. 2017;76(6):469-75. Available from: www.scopus.com		
			26. Bondarenko IN, Gorbenko EA. Forming the powerful microwave pulses using resonator storage. Telecommun Radio Eng [Internet]. 2018;77(15):1311-9. Available from: www.scopus.com		
			27. Bondarenko IN, Gorbenko EA, Krasnoshchok VI. Microwave switch based on a combined coaxial-waveguide tee for a cavity pulse shaper. Telecommun Radio Eng [Internet]. 2018;77(5):391-7. Available from: www.scopus.com		
			28. Liu C, Bondarenko IN, Panchenko AY, Slipchenko NI. Electrodynamics sensor for assessing transformations of the state of water in biological objects. Telecommun Radio Eng [Internet]. 2018;77(12):1103-12. Available from: www.scopus.com		
			29. Liu C, Bondarenko IN, Derevyanko OA, Panchenko OY. Simulation of the process of estimation of changes in the state of water in biological objects in the microwave range. Telecommun Radio Eng [Internet]. 2018;77(18):1619-29. Available from: www.scopus.com		
			30. Gritsunov A, Bondarenko I, Pashchenko A, Babychenko O. Theory of natural oscillatory systems and advance in nanoelectronics. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018. p. 410-5. Available from: www.scopus.com DOI:		

				10.1109/TCSET.2018.8336230		
АКТ	КІТАМ	НЕВЛЮДОВ ІГОР ШАКИРОВИЧ	28	1. Nevlyudov IS, Tokarev VV, Tsimbal AM. Automated nondestroying roughness control on optical ferrule surfaces. In: Proceedings of LFNМ 2001 - 3rd International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20012001. p. 74-6. Available from: www.scopus.com DOI: 10.1109/LFNМ.2001.930209	14	Filipenko, A; Nevludov, I; Sichova, O; Form parameters definition of optical fibers welded connection; LFNМ 2004: PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON LASER AND FIBER-OPTICAL NETWORKS MODELING; 2004
				2. Nevludov IS, Bondarenko AS, Tokarev VV, Tsimbal AM. System of interferential signals automatized processing. In: Proceedings of LFNМ 2002 - 4th International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20022002. p. 149-52. Available from: www.scopus.com DOI: 10.1109/LFNМ.2002.1014145		Nevliudov, Igor; Ponomaryova, Ganna; Bortnikova, Viktoriia; Maksymova, Svitlana; Kolesnyk, Kostyantyn; MEMS Accelerometer in Hexapod Intellectual Control; 2018 XIVTH INTERNATIONAL CONFERENCE ON PERSPECTIVE TECHNOLOGIES AND METHODS IN MEMS DESIGN (MEMSTECH); 2018
				3. Filipenko AI, Nevludov IS, Lebedev OG. Fiber refractive index profile determination from the measured near field intensity. In: Proceedings of LFNМ 2002 - 4th International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20022002. p. 345-8. Available from: www.scopus.com DOI: 10.1109/LFNМ.2002.1014217		Nevliudov, Igor; Maksymova, Svitlana; Funkendorf, Anastasiia; Chala, Olena; Khrustalev, Kirill; Using MEMS to Adapt Ultrasonic Welding Processes Control in the Implementation of Modular Robots Assembly Processes; 2018 XIVTH INTERNATIONAL CONFERENCE ON PERSPECTIVE TECHNOLOGIES AND METHODS IN MEMS DESIGN (MEMSTECH); 2018
				4. Filipenko AI, Nevludov IS. Core position identification at the optical fibers connection by an autoconvolution method. In: Proceedings of the International Conference on Advanced Optoelectronics		Nevludov, Igor; Yevsieiev, Vladyslav; Bortnikova, Viktoriia; Miliutina, Svitlana; MEMS Accelerometers Production Technological Route Selection; 2017 14TH

			and Lasers, CAOL [Internet]; 20032003. p. 124-8. Available from: www.scopus.com DOI: 10.1109/CAOL.2003.1251284	INTERNATIONAL CONFERENCE: THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM); 2017
			5. Filipenko A, Nevludov I. Core position identification at the optical fibers connection by an autoconvolution method. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 20042004. p. 269-77. Available from: www.scopus.com DOI: 10.1117/12.583482	Nevlyudov, Igor; Palagin, Victor; Botsman, Irina; The General Principles of Electromagnetic Compatibility Improving with Microsystem Technology Using; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
			6. Filipenko A, Nevludov I. Control of optical fibers positioning at manufacturing optical connectors and welding splices. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 480-3. Available from: www.scopus.com	Filipenko, Alexander; Nevludov, Igor; Sicheva, Oksana; Processing of interference images at the control of surface parameters of an optical fiber components - art. no. 70091D; SECOND INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS; 2008 7009 10.1117/12.793879
			7. Filipenko A, Nevludov I, Sichova O. Form parameters definition of optical fibers welded connection. In: Proceedings of LFNM 2004 - 6th International Conference on Laser and Fiber-Optical Networks Modeling [Internet]; 20042004. p. 188-95. Available from: www.scopus.com	Filipenko, A.; Nevludov, I.; Sicheva, O.; Automatization of the control technological processes of optical fiber components parameters; 2007 INTERNATIONAL WORKSHOP ON OPTOELECTRONIC PHYSICS AND TECHNOLOGY; 2007
			8. Filipenko A, Nevludov I, Sicheva O. Processing technique of interference images at the control of parameters of an optical fiber components surfaces. In: Proceedings of CAOL 2005: 2nd International Conference on Advanced Optoelectronics and Lasers [Internet]; 20052005. p. 345-8. Available from: www.scopus.com DOI: 10.1109/CAOL.2005.1553999	Nevlyudov, I. Sh.; Palagin, V. A.; Frizuk, E. A.; Nanolithography - nanoimprinting; 2007 INTERNATIONAL WORKSHOP ON OPTOELECTRONIC PHYSICS AND TECHNOLOGY; 2007

			<p>9. Filipenko A, Nevludov I, Sicheva O. Automatization of the control technological processes of optical fiber components parameters. In: OPT 2007 - International Workshop Optoelectronic Physics and Technology [Internet]; 20072007. p. 39. Available from: www.scopus.com DOI: 10.1109/OPT.2007.4298525</p>	<p>Filipenko, A; Nevludov, I; Sicheva, O; Processing technique of interference images at the control of parameters of an optical fiber components surfaces; CAOL 2005: PROCEEDINGS OF THE 2ND INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS, VOL 2; 2005</p>
			<p>10. Nevludov IS, Palagin VA, Frizuk EA. Nanolithography - Nanoimprinting. In: OPT 2007 - International Workshop Optoelectronic Physics and Technology [Internet]; 20072007. p. 63-7. Available from: www.scopus.com DOI: 10.1109/OPT.2007.4298538</p>	<p>Filipenko, A; Nevludov, I; Control of optical fibers positioning at manufacturing optical connectors and welding splices; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2004</p>
			<p>11. Nevludov IS, Litvinova EI, Evseev VV. Solving of computer-aided manufacturing problems. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 543-5. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297646</p>	<p>Filipenko, A; Nevludov, I; Core position identification at the optical fibers connection by an autoconvolution method; ADVANCED OPTOELECTRONICS AND LASERS; 2003 5582 10.1117/12.583482</p>
			<p>12. Filipenko A, Nevludov I, Sicheva O. Processing of interference images at the control of surface parameters of optical fiber components. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 20082008 Available from: www.scopus.com DOI: 10.1117/12.793879</p>	<p>Nevludov, IS; Bondarenko, AS; Tokarev, VV; Tsimbal, AM; System of interferential signals automatized processing; LFNM'2002: PROCEEDINGS OF THE 4TH INTERNATIONAL WORKSHOP ON LASER AND FIBER-OPTICAL NETWORKS MODELING; 2002 10.1109/LFNM.2002.1014145</p>

			13. Nevlyudov I, Velykodniy S. Development of an interpolation method for complicated geometric surfaces in problems of an automated designing. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 505-6.Available from: www.scopus.com	Filipenko, AI; Nevludov, IS; Lebedev, OG; Fiber refractive index profile determination from the measured near field intensity; LFNM'2002: PROCEEDINGS OF THE 4TH INTERNATIONAL WORKSHOP ON LASER AND FIBER-OPTICAL NETWORKS MODELING; 2002 10.1109/LFNM.2002.1014217
			14. Filipenko A, Nevludov I, Sychova O. Optical power transmission coefficient in photonic-crystal fiber connection. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 409-11.Available from: www.scopus.com	Nevlyudov, IS; Tokarev, VV; Tsimbal, AM; Automated nondestroying roughness control on optical ferrule surfaces; LFNM'2001: PROCEEDINGS OF THE 3RD INTERNATIONAL WORKSHOP ON LASER AND FIBER-OPTICAL NETWORKS MODELING; 2001
			15. Nevlyudov I, Tsymbal O, Milyutina S. The logical model of product assembly technological process design. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 500-1.Available from: www.scopus.com	
			16. Nevlyudov IS, Khatnyuk IS. An application of the finite element method for flexible PCB components tense-deformed state simulation. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 537.Available from: www.scopus.com	

			17. Nevlyudov IS, Tsimbal AM, Milyutina SS, Sharkovsky VY. Acoustic model application to mobile robot guidance. Telecommun Radio Eng [Internet]. 2012;71(17):1589-97. Available from: www.scopus.com		
			18. Nevludov IS, Novoselov SP, Resnichenko AG. Experimental verification of theoretical foundations making the basis of the substrate roughness surface automated control technology. Telecommun Radio Eng [Internet]. 2012;71(19):1791-9. Available from: www.scopus.com		
			19. Nevlyudov I, Yevsieiev V, Miliutina S, Bortnikova V. Accelerometers production technological process decomposition parameters model. In: Perspective Technologies and Methods in MEMS Design, MEMSTECH 2016 - Proceedings of 12th International Conference [Internet]; 20162016. p. 1-5. Available from: www.scopus.com DOI: 10.1109/MEMSTECH.2016.7507506		
			20. Nevludov I, Sotnik S, Frolov A, Demaska N. Development of the comprehensive method for quality assessment of plastic parts. East -Eur J Enterp Technol [Internet]. 2017;1(1-85):18-26. Available from: www.scopus.com		
			21. Nevlyudov I, Palagin V, Botsman I. The general principles of electromagnetic compatibility improving with microsystem technology using. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 237-8. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905393		

			22. Nevludov I, Yevsieiev V, Bortnikova V, Miliutina S. MEMS accelerometers production technological route selection. In: 2017 14th International Conference The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 20172017. p. 424-7. Available from: www.scopus.com DOI: 10.1109/CADSM.2017.7916166		
			23. Nevlydov I, Ponomaryova G, Miliutina S, Bortnikova V. MEMS accelerometers classification using machine-learning methods. In: 2017 13th International Conference Perspective Technologies and Methods in MEMS Design, MEMSTECH 2017 - Proceedings [Internet]; 20172017. p. 51-5. Available from: www.scopus.com DOI: 10.1109/MEMSTECH.2017.7937531		
			24. Igor N, Darya G, Irina G. Method of thermal quality control flexible structure. In: 2nd International Conference on Information and Telecommunication Technologies and Radio Electronics, UkrMiCo 2017 - Proceedings [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/UkrMiCo.2017.8095399		
			25. Igor N, Ievgenii R-, Victor P. Improved reliability of interconnects of electronics components. In: 2nd International Conference on Information and Telecommunication Technologies and Radio Electronics, UkrMiCo 2017 - Proceedings [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/UkrMiCo.2017.8095396		

				26. Nevliudov I, Maksymova S, Funkendorf A, Chala O, Khrustalev K. Using MEMS to adapt ultrasonic welding processes control in the implementation of modular robots assembly processes. In: 2018 14th International Conference on Perspective Technologies and Methods in MEMS Design, MEMSTECH 2018 - Proceedings [Internet]; 20182018. p. 223-6.Available from: www.scopus.com DOI: 10.1109/MEMSTECH.2018.8365738		
				27. Nevliudov I, Ponomaryova G, Bortnikova V, Maksymova S, Kolesnyk K. MEMS accelerometer in hexapod intellectual control. In: 2018 14th International Conference on Perspective Technologies and Methods in MEMS Design, MEMSTECH 2018 - Proceedings [Internet]; 20182018. p. 146-50.Available from: www.scopus.com DOI: 10.1109/MEMSTECH.2018.8365721		
				28. Nevlydov I, Filipenko O, Volkova M, Ponomaryova G. MEMS-Based Inertial Sensor Signals and Machine Learning Methods for Classifying Robot Motion. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 13-6.Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478613		
	Пробле мна науков о- дослід на лабора	ВИНОКУРОВ А ОЛЕНА АНАТОЛІЙВН А	28	1. Bodyanskiy Y, Lamonova N, Pliss I, Vynokurova O. An adaptive learning algorithm for a wavelet neural network. Expert Syst [Internet]. 2005;22(5):235-40. Available from: www.scopus.com	19	Bodyanskiy, Y.; Vynokurova, O.; Hybrid adaptive wavelet-neuro-fuzzy system for chaotic time series identification; INFORMATION SCIENCES; 2013 220 10.1016/j.ins.2012.07.044

	торія автома тизова них систем управлі ння					
				2. Bodyanskiy Y, Vynokurova O. Hybrid adaptive wavelet-neuro-fuzzy system for chaotic time series identification. Inf Sci [Internet]. 2013;220:170-9. Available from: www.scopus.com		Bodyanskiy, Yevgeniy; Vynokurova, Olena; Pliss, Iryna; Setlak, Galina; Mulesa, Pavlo; Fast Learning Algorithm for Deep Evolving GMDH-SVM Neural Network in Data Stream Mining Tasks; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
				3. Bodyanskiy YV, Vynokurova EA, Dolotov AI. Self-learning cascade spiking neural network for fuzzy clustering based on group method of data handling. J Autom Inform Sci [Internet]. 2013;45(3):23-33. Available from: www.scopus.com		Bodyanskiy, Y; Lamonova, N; Pliss, I; Vynokurova, O; An adaptive learning algorithm for a wavelet neural network; EXPERT SYSTEMS; 2005 22 10.1111/j.1468-0394.2005.00314.x
				4. Bodyanskiy Y, Dolotov A, Vynokurova O. Evolving spiking wavelet-neuro-fuzzy self-learning system. Appl Soft Comput J [Internet]. 2014;14(PART B):252-8. Available from: www.scopus.com		Rashkevych, Yurii; Peleshko, Dmytro; Vynokurova, Olena; Izonin, Ivan; Lotoshynska, Natalia; Single-Frame Image Super-Resolution based on Singular Square Matrix Operator; 2017 IEEE FIRST UKRAINE CONFERENCE ON ELECTRICAL AND COMPUTER ENGINEERING (UKRCON); 2017
				5. Yevgeniy B, Dmytro P, Olena V, Yuliia T. Architecture of hybrid generalized additive neuro-fuzzy system in modelling technological process. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD		Bodyanskiy, Yevgeniy; Setlak, Galina; Peleshko, Dmytro; Vynokurova, Olena; Hybrid Generalized Additive Neuro-Fuzzy System and its Adaptive Learning Algorithms; 2015 IEEE 8TH INTERNATIONAL CONFERENCE ON

			Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 333-5. Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230869	INTELLIGENT DATA ACQUISITION AND ADVANCED COMPUTING SYSTEMS: TECHNOLOGY AND APPLICATIONS (IDAACS), VOLS 1-2; 2015
			6. Bodyanskiy Y, Vynokurova O, Setlak G, Pliss I. Hybrid neuro-neo-fuzzy system and its adaptive learning algorithm. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 20152015. p. 111-4. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325445	Bodyanskiy, Yevgeniy; Vynokurova, Olena; Pliss, Iryna; Peleshko, Dmytro; Rashkevych, Yuriy; Hybrid Generalized Additive Wavelet-Neuro-Fuzzy-System and Its Adaptive Learning; DEPENDABILITY ENGINEERING AND COMPLEX SYSTEMS; 2016 470 10.1007/978-3-319-39639-2_5
			7. Bodyanskiy Y, Setlak G, Peleshko D, Vynokurova O. Hybrid generalized additive neuro-fuzzy system and its adaptive learning algorithms. In: Proceedings of the 2015 IEEE 8th International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, IDAACS 2015 [Internet]; 20152015. p. 328-33. Available from: www.scopus.com DOI: 10.1109/IDAACS.2015.7340753	Bodyanskiy, Ye; Dolotov, A.; Vynokurova, O.; Evolving spiking wavelet-neuro-fuzzy self-learning system; APPLIED SOFT COMPUTING; 2014 14 10.1016/j.asoc.2013.05.020
			8. Bodyanskiy Y, Vynokurova O, Pliss I, Mulesa P. Multilayer wavelet-neuro-fuzzy systems in dynamic data mining tasks In: Soft Computing: Developments, Methods and Applications. [Internet]. ; 2016 p. 69-146. Available from: www.scopus.com	Bodyanskiy, Ye; Vynokurova, O.; Setlak, G.; Peleshko, D.; Mulesa, P.; Adaptive multivariate hybrid neuro-fuzzy system and its on-board fast learning; NEUROCOMPUTING; 2017 230 10.1016/j.neucom.2016.12.042
			9. Bodyanskiy Y, Vynokurova O, Savvo V, Tverdokhlib T, Mulesa P. Hybrid clustering-classification neural network in the medical diagnostics of the reactive arthritis. Int J Intell Syst Appl [Internet]. 2016;8(8):1-9. Available from: www.scopus.com	Bodyanskiy, Yevgeniy; Vynokurova, Olena; Pliss, Iryna; Peleshko, Dmytro; Hybrid Adaptive Systems of Computational Intelligence and Their On-line Learning for Green IT in Energy Management Tasks; GREEN IT ENGINEERING: CONCEPTS, MODELS, COMPLEX SYSTEMS ARCHITECTURES; 2017 74 10.1007/978-3-

					319-44162-7_12	
				10. Bodyanskiy Y, Vynokurova O, Pliss I, Peleshko D, Rashkevych Y. Hybrid generalized additive wavelet-neuro-fuzzy-system and its adaptive learning; 2016. 51 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-39639-2_5		Bodyanskiy, Ye. V.; Vynokurova, E. A.; Dolotov, A. I.; Self-Learning Cascade Spiking Neural Network for Fuzzy Clustering Based on Group Method of Data Handling; JOURNAL OF AUTOMATION AND INFORMATION SCIENCES; 2013 45 10.1615/JAutomatInfScien.v45.i3.30
				11. Bodyanskiy Y, Vynokurova O, Pliss I, Setlak G, Mulesa P. Fast learning algorithm for deep evolving GMDH-SVM neural network in data stream mining tasks. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 2016. p. 257-62. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583555		Setlak, Galina; Bodyanskiy, Yevgeniy; Vynokurova, Olena; Pliss, Iryna; Deep Evolving GMDH-SVM-Neural Network and its Learning for Data Mining Tasks; PROCEEDINGS OF THE 2016 FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS (FEDCSIS); 2016 8 10.15439/2016F183
				12. Bodyanskiy Y, Vynokurova O, Szymanski Z, Kobylin I, Kobylin O. Adaptive robust models for identification of nonstationary systems in data stream mining tasks. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 2016. p. 263-8. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583556		Setlak, Galina; Bodyanskiy, Yevgeniy; Pliss, Iryna; Vynokurova, Olena; Peleshko, Dmytro; Kobylin, Illya; Adaptive Fuzzy Clustering of Multivariate Short Time Series with Unevenly Distributed Observations Based on Matrix Neuro-Fuzzy Self-organizing Network; ADVANCES IN FUZZY LOGIC AND TECHNOLOGY 2017, VOL 3; 2018 643 10.1007/978-3-319-66827-7_28
				13. Setlak G, Bodyanskiy Y, Vynokurova O, Pliss I. Deep evolving GMDH-SVM-neural network and its learning for Data Mining tasks. In: Proceedings of the 2016 Federated Conference on Computer Science and		Bodyanskiy, Yevgeniy; Peleshko, Dmytro; Rashkevych, Yuriy; Vynokurova, Olena; The Autoencoder Based on Generalized Neo-Fuzzy Neuron and its Fast Learning for Deep Neural

			Information Systems, FedCSIS 2016 [Internet]; 20162016. p. 141-5. Available from: www.scopus.com DOI: 10.15439/2016F183	Networks; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
			14. Bodyanskiy Y, Vynokurova O, Pliss I, Peleshko D. Hybrid adaptive systems of computational intelligence and their on-line learning for green it in energy management tasks; 2017. 229 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-44162-7_12	Bodyanskiy, Yevgeniy; Vynokurova, Olena; Pliss, Iryna; Peleshko, Dmytro; Rashkevych, Yuriy; Deep Stacking Convex Neuro-Fuzzy System and Its On-line Learning; ADVANCES IN DEPENDABILITY ENGINEERING OF COMPLEX SYSTEMS; 2018 582 10.1007/978-3-319-59415-6_5
			15. Bodyanskiy Y, Vynokurova O, Setlak G, Peleshko D, Mulesa P. Adaptive multivariate hybrid neuro-fuzzy system and its on-board fast learning. Neurocomputing [Internet]. 2017;230:409-16. Available from: www.scopus.com	Bodyanskiy, Yevgeniy; Vynokurova, Olena; Szymanski, Zdzislaw; Kobylin, Ilya; Kobylin, Oleg; Adaptive Robust Models for Identification of Nonstationary Systems in Data Stream Mining Tasks; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
			16. Rashkevych Y, Peleshko D, Vynokurova O, Izonin I, Lotoshynska N. Single-frame image super-resolution based on singular square matrix operator. In: 2017 IEEE 1st Ukraine Conference on Electrical and Computer Engineering, UKRCON 2017 - Proceedings [Internet]; 20172017. p. 944-8. Available from: www.scopus.com DOI: 10.1109/UKRCON.2017.8100390	Vlasenko, Alexander; Vlasenko, Nataliia; Vynokurova, Olena; Peleshko, Dmytro; A Novel Neuro-Fuzzy Model for Multivariate Time-Series Prediction; DATA; 2018 3 10.3390/data3040062
			17. Bodyanskiy Y, Pliss I, Vynokurova O. The neo-fuzzy autoencoder for adaptive deep neural systems and its learning. In: CEUR Workshop Proceedings [Internet]; 20182018. p. 161-4. Available from: www.scopus.com	Vlasenko, Alexander; Vynokurova, Olena; Vlasenko, Nataliia; Bodyanskiy, Yevgeniy; An Enhancement of a Learning Procedure in Neuro-Fuzzy Model; 2018 IEEE FIRST INTERNATIONAL CONFERENCE ON SYSTEM ANALYSIS & INTELLIGENT

					COMPUTING (SAIC); 2018
				18. Bodyanskiy Y, Vynokurova O, Pliss I, Peleshko D, Rashkevych Y. Deep stacking convex neuro-fuzzy system and its on-line learning; 2018. 49 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-59415-6_5	Setlak, Galina; Bodyanskiy, Yevgeniy; Pliss, Iryna; Boiko, Olena; Vynokurova, Olena; Deep Evolving Stacking Convex Cascade Neo-Fuzzy Network and its Rapid Learning; PROCEEDINGS OF THE 2018 FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS (FEDCSIS); 2018 10.15439/2018F200
				19. Setlak G, Bodyanskiy Y, Pliss I, Vynokurova O, Peleshko D, Kobylin I. Adaptive fuzzy clustering of multivariate short time series with unevenly distributed observations based on matrix neuro-fuzzy self-organizing network; 2018. 308 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-66827-7_28	Vlasenko, Alexander; Vynokurova, Olena; Vlasenko, Nataliia; Peleshko, Marta; A Hybrid Neuro-Fuzzy Model for Stock Market Time-Series Prediction; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
				20. Bodyanskiy Y, Perova I, Vynokurova O, Izonin I. Adaptive wavelet diagnostic neuro-fuzzy network for biomedical tasks. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018. p. 711-5. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336299	
				21. Bodyanskiy Y, Kobylin I, Rashkevych Y, Vynokurova O, Peleshko D. Hybrid fuzzy-clustering algorithm of unevenly and asynchronously spaced time series in computer engineering. In: 14th International Conference on Advanced Trends in Radioelectronics,	

			Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 930-5.Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336346		
			22. Vlasenko A, Vynokurova O, Vlasenko N, Peleshko M. A Hybrid Neuro-Fuzzy Model for Stock Market Time-Series Prediction. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 352-5.Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478494		
			23. Bodyanskiy Y, Peleshko D, Rashkevych Y, Vynokurova O. The Autoencoder Based on Generalized Neo-Fuzzy Neuron and its Fast Learning for Deep Neural Networks. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 113-8.Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478624		
			24. Vynokurova O, Peleshko D, Borzov Y, Oskerko S, Voloshyn V. Hybrid Multidimensional Wavelet-Neuro-System and its Learning Using Cross Entropy Cost Function in Pattern Recognition. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 305-9.Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478608		
			25. Setlak G, Bodvanskiy Y, Pliss I, Boiko O, Vynokurova O. Deep evolving stacking convex cascade neo-fuzzy network and its rapid learning. In: Proceedings of the 2018 Federated Conference on Computer Science and Information Systems, FedCSIS		

				2018 [Internet]; 2018. p. 29-33. Available from: www.scopus.com DOI: 10.15439/2018F200		
				26. Vlasenko A, Vlasenko N, Vynokurova O, Bodyanskiy Y. An enhancement of a learning procedure in neuro-fuzzy model. In: 2018 IEEE 1st International Conference on System Analysis and Intelligent Computing, SAIC 2018 - Proceedings [Internet]; 2018. Available from: www.scopus.com DOI: 10.1109/SAIC.2018.8516745		
				27. Bodyanskiy Y, Dolotov A, Peleshko D, Rashkevych Y, Vynokurova O. Associative probabilistic Neuro-Fuzzy system for data classification under short training set conditions; 2019. 56 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-91446-6_6		
				28. Vynokurova O, Peleshko D, Oskerko S, Lutsan V, Peleshko M. Multidimensional wavelet neuron for pattern recognition tasks in the internet of things applications; 2019. 64 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-91008-6_7		
ITM	BM	СТОГНІЙ НАДІЯ ПЕТРІВНА	26	1. Sakhnenko NK, Stogniy NP, Nerukh AG. Near-field pattern images of a cylindrical plasma column. IEEE Trans Plasma Sci [Internet]. 2011;39(11 PART 1):2552-3. Available from: www.scopus.com	19	Stognii, Nadiia P.; Sakhnenko, Nataliya K.; Plasmon Resonances and Their Quality Factors in a Finite Linear Chain of Coupled Metal Wires; IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS; 2013 19 10.1109/JSTQE.2013.2244561
				2. Stogniy N, Sakhnenko N, Nerukh A. Plasmon resonances in linear array of coupled silver nanowires. In: International Conference on Transparent Optical Networks [Internet]; 2011. Available from: www.scopus.com DOI: 10.1109/ICTON.2011.5971163		Stognii, Nadiia P.; Sakhnenko, Nataliya K.; Accurate Investigation of Coupled Plasmonic Resonances in a Chain of Silver Nanowires; 2016 IEEE INTERNATIONAL CONFERENCE ON MATHEMATICAL

					METHODS IN ELECTROMAGNETIC THEORY (MMET); 2016
				3. Stogniy NP, Sakhnenko NK. Coupled plasma cylindrical columns as sub-wavelength antenna. In: 8th International Conference on Antenna Theory and Techniques, ICATT'11 [Internet]; 2011. p. 103-105. Available from: www.scopus.com DOI: 10.1109/ICATT.2011.6170721	Stognii, Nadiia; Sakhnenko, Nataliya; Hybrid Plasmons in Assemblies of Coupled Metal Nanowires; 2014 IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM (APSURSI); 2014
				4. Stogniy N, Sakhnenko N. Theoretical study of plasmon resonances in linear chain of silver nanowires. In: Conference Proceedings - 11th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2011 [Internet]; 2011. Available from: www.scopus.com DOI: 10.1109/LFNM.2011.6145019	Stognii, Nadiia; Sakhnenko, Nataliya; Spectral Characteristics of Coupled Plasmonic Modes in Aggregates of Plasma Columns; 2012 9TH EUROPEAN RADAR CONFERENCE (EURAD); 2012
				5. Stognii N, Sakhnenko N. Theoretical study of symmetric and antisymmetric plasmons in chains of coupled plasma cylinders. In: Proceedings of 6th European Conference on Antennas and Propagation, EuCAP 2012 [Internet]; 2012. p. 999-1002. Available from: www.scopus.com DOI: 10.1109/EuCAP.2012.6206187	Sakhnenko, Nataliya K.; Stogniy, Nadiya P.; Nerukh, Alexander G.; Near-Field Pattern Images of a Cylindrical Plasma Column; IEEE TRANSACTIONS ON PLASMA SCIENCE; 2011 39 10.1109/TPS.2011.2151259
				6. Stognii N, Sakhnenko N. Spectral characteristics of coupled plasmonic modes in aggregates of plasma columns. In: European Microwave Week 2012: "Space for Microwaves", EuMW 2012, Conference Proceedings - 42nd European Microwave Conference, EuMC 2012 [Internet]; 2012. p. 880-3. Available from: www.scopus.com	Stognii, Nadiia P.; Sakhnenko, Nataliya K.; Excitation of Plasmon Resonances on Nanowire and Nanoshell by a Complex Source Point; 2016 IEEE 7TH INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS (CAOL); 2016

			7. Stognii N, Sakhnenko N. Bonding and antibonding combinations of plasmons in aggregates of plasma columns. In: AIP Conference Proceedings [Internet]; 2012. p. 164-6. Available from: www.scopus.com DOI: 10.1063/1.4750131	Stognii, Nadiia P.; Sakhnenko, Nataliya K.; Transient Transformation of Surface Plasmon Due to Time Variations in Dielectric Permittivity of Nanowire Environment; 2016 IEEE 36TH INTERNATIONAL CONFERENCE ON ELECTRONICS AND NANOTECHNOLOGY (ELNANO); 2016
			8. Stognii N, Sakhnenko N. Spectral characteristics of coupled plasmonic modes in aggregates of plasma columns. In: European Microwave Week 2012: "Space for Microwaves", EuMW 2012, Conference Proceedings - 9th European Radar Conference, EuRAD 2012 [Internet]; 2012. p. 554-7. Available from: www.scopus.com	Stognii, Nadiia P.; Sakhnenko, Nataliya K.; Plasmonic Properties of Coupled Metal Wires in the Cluster with Triangular or Square Configuration; 2015 IEEE 35TH INTERNATIONAL CONFERENCE ON ELECTRONICS AND NANOTECHNOLOGY (ELNANO); 2015
			9. Stognii NP, Sakhnenko NK. Plasmonic modes of coupled plasma columns cluster with triangular or square configurations. In: International Conference on Mathematical Methods in Electromagnetic Theory, MMET [Internet]; 2012. p. 451-4. Available from: www.scopus.com DOI: 10.1109/MMET.2012.6331184	Andreev, Mikhail V.; Drobakhin, Oleg O.; Stognii, Nadiia P.; Sakhnenko, Nataliya K.; Fractional-Rational Representation of the Frequency Spectrum of the Scattered Field for a Drude-Metal Nanowire Resonating on Localized Surface Plasmons; 2017 XXIIND INTERNATIONAL SEMINAR/WORKSHOP ON DIRECT AND INVERSE PROBLEMS OF ELECTROMAGNETIC AND ACOUSTIC WAVE THEORY (DIPED); 2017
			10. Sakhnenko NK, Chipouline A, Nerukh AG, Stognii NP, Pertsch T. Modelling of transient plasmons dynamics in metallic cylinders. In: International Conference on Mathematical Methods in Electromagnetic Theory, MMET [Internet]; 2012. p. 35-8. Available from: www.scopus.com DOI: 10.1109/MMET.2012.6331213	Stognii, Nadiia P.; Butenko, Nina S.; Sakhnenko, Nataliya K.; Plasmonic Properties of Selfsimilar Cluster of Silver Nanowires; 2017 IEEE INTERNATIONAL YOUNG SCIENTISTS FORUM ON APPLIED PHYSICS AND ENGINEERING (YSF); 2017

			11. Stognii NP, Sakhnenko NK. Plasmon resonances and their quality factors in a finite linear chain of coupled metal wires. IEEE J Sel Top Quantum Electron [Internet]. 2013;19(3) Available from: www.scopus.com	Stognii, Nadiia P.; Sakhnenko, Nataliya K.; Excitation of Surface Plasmons by Localized Transient Sources; 2016 II INTERNATIONAL YOUNG SCIENTISTS FORUM ON APPLIED PHYSICS AND ENGINEERING (YSF); 2016
			12. Stognii N, Sakhnenko N. Hybrid plasmons in assemblies of coupled metal nanowires. In: IEEE Antennas and Propagation Society, AP-S International Symposium (Digest) [Internet]; 20142014. p. 352-3. Available from: www.scopus.com DOI: 10.1109/APS.2014.6904508	Stognii, Nadiia P.; Sakhnenko, Nataliya K.; Coupled Plasmon Hybrid Modes in Aggregates of Metal Nanowires; 2015 INTERNATIONAL YOUNG SCIENTISTS FORUM ON APPLIED PHYSICS (YSF); 2015
			13. Stognii NP, Sakhnenko NK. Investigation of plasmonic properties of coupled metal wires in the cluster with triangular or square configuration. In: International Conference on Mathematical Methods in Electromagnetic Theory, MMET [Internet]; 20142014. p. 105-8. Available from: www.scopus.com DOI: 10.1109/MMET.2014.6928730	Stognii, Nadiia P.; Sakhnenko, Nataliya K.; Investigation of Plasmonic Properties of Coupled Metal Wires in the Cluster with Triangular or Square Configuration; 2014 INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY (MMET); 2014
			14. Stognii NP, Sakhnenko NK. Sensitivity of hybrid plasmons in nanowire based triangular/square clusters to surrounding dielectric environment. In: 2014 31th URSI General Assembly and Scientific Symposium, URSI GASS 2014 [Internet]; 20142014 Available from: www.scopus.com DOI: 10.1109/URSIGASS.2014.6929424	Stognii, Nadiia P.; Sakhnenko, Nataliya K.; Sensitivity of Hybrid Plasmons in Nanowire Based Triangular/Square Clusters to Surrounding Dielectric Environment; 2014 XXXITH URSI GENERAL ASSEMBLY AND SCIENTIFIC SYMPOSIUM (URSI GASS); 2014
			15. Stognyi NP, Sakhnenko NK. Plasmons in clusters of triangular or quadrangular configuration nanowires. Telecommun Radio Eng [Internet]. 2014;73(16):1471-80. Available from: www.scopus.com	Stognii, Nadiia; Sakhnenko, Nataliya; Spectral Characteristics of Coupled Plasmonic Modes in Aggregates of Plasma Columns; 2012 42ND EUROPEAN MICROWAVE CONFERENCE (EUMC); 2012

			16. Stognii NP, Sakhnenko NK. Plasmonic properties of coupled metal wires in the cluster with triangular or square configuration. In: 2015 IEEE 35th International Conference on Electronics and Nanotechnology, ELNANO 2015 - Conference Proceedings [Internet]; 2015. p. 112-5. Available from: www.scopus.com DOI: 10.1109/ELNANO.2015.7146847	Sakhnenko, N. K.; Chipouline, A.; Nerukh, A. G.; Stognii, N. P.; Pertsch, T.; MODELLING OF TRANSIENT PLASMONS DYNAMICS IN METALLIC CYLINDERS; 2012 INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY (MMET); 2012
			17. Stognii NP, Sakhnenko NK. Coupled plasmon hybrid modes in aggregates of metal nanowires. In: YSF 2015 - International Young Scientists Forum on Applied Physics [Internet]; 2015. Available from: www.scopus.com DOI: 10.1109/YSF.2015.7333137	Stognii, N. P.; Sakhnenko, N. K.; PLASMONIC MODES OF COUPLED PLASMA COLUMNS CLUSTER WITH TRIANGULAR OR SQUARE CONFIGURATIONS; 2012 INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY (MMET); 2012
			18. Stognii NP, Sakhnenko NK. Transient transformation of surface plasmon due to time variations in dielectric permittivity of nanowire environment. In: 2016 IEEE 36th International Conference on Electronics and Nanotechnology, ELNANO 2016 - Conference Proceedings [Internet]; 2016. p. 83-6. Available from: www.scopus.com DOI: 10.1109/ELNANO.2016.7493016	Stognii, Nadiia; Sakhnenko, Nataliya; Bonding and Antibonding Combinations of Plasmons in Aggregates of Plasma Columns; FIFTH INTERNATIONAL WORKSHOP ON THEORETICAL AND COMPUTATIONAL NANO-PHOTONICS (TACONA-PHOTONICS 2012); 2012 1475 10.1063/1.4750131
			19. Stognii NP, Sakhnenko NK. Accurate investigation of coupled plasmonic resonances in a chain of silver nanowires. In: International Conference on Mathematical Methods in Electromagnetic Theory, MMET [Internet]; 2016. p. 192-5. Available from: www.scopus.com DOI: 10.1109/MMET.2016.7544112	Stogniy, Nadiya; Sakhnenko, Nataliya; Nerukh, Alexander; Plasmon Resonances in Linear Array of Coupled Silver Nanowires; 2011 13TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS (ICTON); 2011

			20. Stognii NP, Sakhnenko NK. Excitation of plasmon resonances on nanowire and nanoshell by a complex source point. In: Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL [Internet]; 20162016. p. 126-8.Available from: www.scopus.com DOI: 10.1109/CAOL.2016.7851400		
			21. Stognii NP, Sakhnenko NK. Excitation of surface plasmons by localized transient sources. In: 2016 2nd International Young Scientists Forum on Applied Physics and Engineering, YSF 2016 - Forum Proceedings [Internet]; 20162016. p. 100-3.Available from: www.scopus.com DOI: 10.1109/YSF.2016.7753811		
			22. Stognii NP, Sakhnenko NK. Theoretical study of plasmon excitation of a drude metal nanowire coupled with optically dynamic shell. In: 2017 IEEE 37th International Conference on Electronics and Nanotechnology, ELNANO 2017 - Proceedings [Internet]; 20172017. p. 205-8.Available from: www.scopus.com DOI: 10.1109/ELNANO.2017.7939750		
			23. Andreev MV, Drobakhin OO, Stognii NP, Sakhnenko NK. Fractional-rational representation of the frequency spectrum of the scattered field for a drude-metal nanowire resonating on localized surface plasmons. In: 2017 22nd International Seminar/Workshop on Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory, DIPED 2017 - Proceedings [Internet]; 20172017. p. 53-7.Available from: www.scopus.com DOI: 10.1109/DIPED.2017.8100557		

				24. Stognii NP, Butenko NS, Sakhnenko NK. Plasmonic properties of selfsimilar cluster of silver nanowires. In: 2017 IEEE International Young Scientists Forum on Applied Physics and Engineering, YSF 2017 [Internet]; 2017. p. 323-6. Available from: www.scopus.com DOI: 10.1109/YSF.2017.8126642		
				25. Stognii NP, Sakhnenko NK. "Bright" plasmons of triangle or quadrangle clusters of noble metal wires. Telecommun Radio Eng [Internet]. 2018;77(5):383-9. Available from: www.scopus.com		
				26. Stogniy NP, Sakhnenko NK, Titarenko OM. Resonant properties of bright plasmons of a finite linear chain of nanowires of precious metals. Telecommun Radio Eng [Internet]. 2018;77(2):145-54. Available from: www.scopus.com		
АКТ	ПЕЕА	ЧУМАКОВ ВОЛОДИМИР ІВАНОВИЧ	26	1. Chumakov VI. Raising the current build-up rate in explosive magnetic generators with capacitive loads. Telecommun Radio Eng [Internet]. 1998;52(8):26-31. Available from: www.scopus.com	9	Volkolupov, YY; Krasnogolovets, MA; Ostrizhnoi, MA; Nesterenko, VG; Kharchenko, OI; Chumakov, VI; Results of visual investigations of the magnetoplasma compressor emission in air; TECHNICAL PHYSICS; 2001 46 10.1134/1.1395127
				2. Shostko SN, Lonin YF, Chumakov VI, Shostko IS, Avchinnikov EA, Shostko OS. A study of the effects of high-power wide-band optical radiation on optoelectronic devices. Telecommun Radio Eng [Internet]. 1998;52(8):73-7. Available from: www.scopus.com		Lonin, Yu P.; Ponomaryov, A. G.; Chumakov, V., I; ON ANALYSIS OF THE ELECTROMAGNETIC RESISTANCE OF RADIOELECTRONIC DEVICES UNDER IMPULSE RADIATION; PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY; 2018
				3. Shostko OS, Shostko IS, Lonin YF, Chumakov VI, Shostko SN, Gorobets NN, Dubrovskaya LL. Bactericide action of high-power pulsed ultra-violet radiation. Telecommun Radio Eng [Internet].		Chumakov, V., I; Lonin, Yu F.; Kharchenko, O., I; SIMULATION OF REGIMES IN THE PULSE-FORMING LINES BY OPERATOR METHOD; PROBLEMS OF ATOMIC

			1998;52(4):86-8. Available from: www.scopus.com	SCIENCE AND TECHNOLOGY; 2018
			4. Volkolupov YY, Krasnogolovets MA, Ostrizhnoï MA, Chumakov VI. Experiments with pulsed high-voltage discharge in the atmosphere. Tech Phys [Internet]. 2001;46(9):1202-4. Available from: www.scopus.com	Lonin, Yu F.; Ponomarev, A. G.; Stolarchuk, A. V.; Zvyagintsev, A. Yu; Chumakov, V. I.; DESIGN OF RADIATION OF THE DIPOL ELECTRON-BEAM ANTENNA; PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY; 2011
			5. Volkolupov YY, Krasnogolovets MA, Ostrizhnoï MA, Nesterenko VG, Kharchenko OI, Chumakov VI. Results of visual investigations of the magnetoplasma compressor emission in air. Tech Phys [Internet]. 2001;46(8):1040-4. Available from: www.scopus.com	Stolarchuk, A., V; Chumakov, V., I; Magnetocumulative generators on the basis of multilinker systems; KPBIMUKO 2007CRIMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368882
			6. Volkolupov YY, Chumakov VI, Ostrizhnoy MA, Krasnogolovets MA, Semenets TA. Simplified algorithm of electrostatic fields analysis. IEEE Int Conf Plasma Sci [Internet]. 2002:220. Available from: www.scopus.com	Kochina, M. L.; Chumakov, V. I.; Budianskay, E. N.; Kochin, O. V.; Advantages and disadvantages of informational technologies; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006
			7. Volkolupov YY, Kopytchenko KV, Ostrizhnoy MA, Krasnogolovets MA, Semenets TA, Chumakov VI. Gas-dynamic DC pulse detonation combustion laser and methods of its implementation. IEEE Int Conf Plasma Sci [Internet]. 2002:343. Available from:	Bej, D. S.; Kochina, M. L.; Kharchenko, O., I; Chumakov, V., I; Analysis of characteristics of electrode system EEG; 2005 15th International Crimean Conference Microwave & Telecommunication Technology, Vols 1 and 2,

				www.scopus.com		Conference Proceedings; 2005
				8. Korytchenko KV, Volkolupov YY, Krasnogolovets MA, Ostrizhnoi MA, Chumakov VI. Shock wave strength and discharge energy in gases. Tech Phys [Internet]. 2002;47(4):495-6. Available from: www.scopus.com		Korytchenko, KV; Volkolupov, YY; Krasnogolovets, MA; Ostrizhnoi, MA; Chumakov, VI; Generation of intense shock waves by an electric discharge in gases; TECHNICAL PHYSICS; 2002 47 10.1134/1.1522118
				9. Korytchenko KV, Volkolupov YY, Krasnogolovets MA, Ostrizhnoi MA, Chumakov VI. Generation of intense shock waves by an electric discharge in gases. Tech Phys [Internet]. 2002;47(11):1461-2. Available from: www.scopus.com		Volkolupov, YY; Krasnogolovets, MA; Ostrizhnoi, MA; Chumakov, VI; Experiments with pulsed high-voltage discharge in the atmosphere; TECHNICAL PHYSICS; 2001 46 10.1134/1.1404178
				10. Volkolupov YY, Krasnogolovets MA, Lebedev OG, Ostrizhnoy MA, Chumakov VI. On the determination of time characteristics of radiating antennas. Telecommun Radio Eng [Internet]. 2002;57(8-9):58-62. Available from: www.scopus.com		
				11. Chumakov VI, Ostrizhny MA, Dokhov AI, Volevakhin GN, Nesterenko GV, Alferov NE, Egorov AM, Lonon YF, Gaponenko NI, Polyany AM. Experimental research of biological effects of pulse EM fields. In: 2003 13th International Crimean Conference "Microwave and Telecommunication Technology", CriMiCo 2003 - Conference Proceedings true [Internet]; 2003:2003. p. 78-9. Available from: www.scopus.com DOI: 10.1109/CRMICO.2003.158747		

				12. Volkolupov YY, Krasnogolovets MA, Lebedev OG, Ostrizhnoy MA, Chumakov VI. On the determination of time characteristics of radiating antennas. Telecommun Radio Eng [Internet]. 2003;60(3-4):61-5. Available from: www.scopus.com		
				13. Bej DS, Kochina ML, Kharchenko OI, Chumakov VI. Analysis of characteristics of electrode system EEG. In: 2005 15th International Crimean Conference Microwave and Telecommunication Technology, CriMiCo'2005 - Conference Proceedings [Internet]; 20052005. p. 908-9. Available from: www.scopus.com DOI: 10.1109/CRMICO.2005.1565196		
				14. Stolarchuk AV, Chumakov VI. Magnetocumulative generators on the basis of multilinker systems. In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 20072007. p. 634-5. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368882		
				15. Lonin YF, Chumakov VI, Ostrizhnoy MA, Pososhenko VA, Zarudniy AA, Kochina ML, Volkolupov YY, Sorokina NV, Zvyagintsev AY, Neezhmakov KR. Estimation of characteristics of radiation of the powerful pulse broadband optical source. Probl Atomic Sci Technol [Internet]. 2008(4):306-7. Available from: www.scopus.com		
				16. Kharchenko OI, Chumakov VI. Legitimate signal separation using stochastic resonance method. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 709-10. Available		

				from: www.scopus.com		
				17. Kharchenko OI, Chumakov VI. Using of Hilbert transform for analyzing nonstationary processes of electroencephalogramm type. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 901-2. Available from: www.scopus.com		
				18. Yegorov AM, Lonin AY, Lonin YF, Chumakov VI, Shepelev AG, Nemashkalo OV. Non-ionizing electromagnetic radiation and ecology. Telecommun Radio Eng [Internet]. 2010;69(8):733-50. Available from: www.scopus.com		
				19. Lonin YF, Ponomarev AG, Stolarchuk AV, Zvyagintsev AY, Chumakov VI. Design of radiation of electron-beams antenna. Probl Atomic Sci Technol [Internet]. 2010(4):8-11. Available from: www.scopus.com		
				20. Lonin YF, Ponomarev AG, Stolarchuk AV, Zvyagintsev AY, Chumakov VI. Design of radiation of the dipol electron-beam antenna. Probl Atomic Sci Technol [Internet]. 2011(1):80-2. Available from: www.scopus.com		
				21. Kharchenko OI, Chumakov VI. Enhancement of signals on the background of high-intensity noise via nonlinear transformations. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 1120-1. Available		

				from: www.scopus.com		
				22. Stolarchuk OV, Chumakov VI. Railgun system with pulse-dynamic biasing of the muzzle. In: Conference Proceedings - 2012 16th International Symposium on Electromagnetic Launch Technology, EML 2012 [Internet]; 20122012 Available from: www.scopus.com DOI: 10.1109/EML.2012.6324994		
				23. Chumakov VI, Stolarchuk AV, Taranchuk AA. The method of active magnetic introscopy in the Earth's crust investigations. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 934-5. Available from: www.scopus.com		
				24. Chumakov VI, Lonin YF, Kharchenko OI. Simulation of regimes in the pulse-forming lines by operator method. Probl Atomic Sci Technol [Internet]. 2018;116(4):241-8. Available from: www.scopus.com		
				25. Lonin YP, Ponomaryov AG, Chumakov VI. On analysis of the electromagnetic resistance of radioelectronic devices under impulse radiation. Probl Atomic Sci Technol [Internet]. 2018;115(3):45-8. Available from: www.scopus.com		
				26. Chumakov V, Taranchuk A, Stetsiuk V, Michan V. A New Technology of Bactericidal Processing of Koch's Bacillus on the Basis of Pulsed Electromagnetic Radiation. In: 2018 IEEE 38th International Conference on Electronics and Nanotechnology, ELNANO 2018 - Proceedings [Internet]; 20182018. p. 271-6. Available		

				from: www.scopus.com DOI: 10.1109/ELNANO.2018.8477498		
IK	IKI	АГЕСВ ДМИТРО ВОЛОДИМИР ОВИЧ	25	1. Ageyev D. Hierarchical telecommunication systems topology synthesis. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 376-7. Available from: www.scopus.com	9	Ageyev, Dmytro; Qasim, Nameer; LTE EPS Network with Self-Similar Traffic Modeling for Performance Analysis; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
				2. Dmytro A, Dmytro E. Multiservice telecommunication systems design with network's incoming self-similarity flow. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 403-5. Available from: www.scopus.com		Ageyev, Dmytro; Ignatenko, Artem; Wehbe, Fouad; Design of Information and Telecommunication Systems with the Usage of the Multi-Layer Graph Model; 2013 12TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013); 2013
				3. Ageyev D. NGN network planning according to criterion of provider's maximum profit. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 256. Available from: www.scopus.com		Ageyev, Dmytro; Yarkin, Denis; Nameer, Qasim; Traffic Aggregation and EPS Network Planning Problem; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
				4. Ageyev D, Ignatenko A. Describing and modeling of video-on-demand service with the usage of multi-layer graph. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference,		Ageyev, Dmytro; Al-Ansari, Ali; LTE RAN and Services Multi-Period Planning; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE

			TCSET'2012 [Internet]; 20122012. p. 340-1. Available from: www.scopus.com	AND TECHNOLOGY (PIC S&T 2015); 2015
			5. Ageyev D, Pereverzev A. Wavelength assignment in design DWDM transport network using algorithm BCO-RWA. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 277-8. Available from: www.scopus.com	Pereverzev, Alexander; Ageyev, Dmitry; Design Method Access Network Radio Over Fiber; 2013 12TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013); 2013
			6. Abdalla H, Ageyev D. Application of multi-layer graphs in the design of MPLS networks. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 336-7. Available from: www.scopus.com	Karpukhin, Aleksandr; Tevjashev, Andrey; Tkachenko, Vladimir; Ageyev, Dmytro; Features of the Use of Software Packages for Modeling Infocommunication Systems; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
			7. Ageyev DV, Abdalla H, Starkova Kharkov OV. MPLS overlay network synthesis method with multilayer graph usage. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 385-6. Available from: www.scopus.com	Al-Dulaimi, Aymen; Al-Dulaimi, Mohammed; Ageyev, Dmytro; Realization of Resource Blocks Allocation in LTE Downlink in the Form of Nonlinear Optimization; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
			8. Pereverzev A, Ageyev D. Design method access network radio over fiber. In: 2013 12th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2013 [Internet]; 20132013. p. 288-	Ageyev, Dmytro; Al-Anssari, Ali; Qasim, Nameer; Multi-Period LTE RAN and Services Planning for Operator Profit Maximization; PROCEEDINGS OF XIIIITH INTERNATIONAL CONFERENCE -

			92. Available from: www.scopus.com	EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015
			9. Ageyev D, Ignatenko A, Wehbe F. Design of information and telecommunication systems with the usage of the multi-layer graph model. In: 2013 12th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2013 [Internet]; 2013:2013. p. 1-4. Available from: www.scopus.com	Ageyev, D; Hierarchical telecommunication systems topology synthesis; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2004
			10. Ageyev DV, Kopylev AN. Modelling of multiservice streams at the decision of tasks of parametric synthesis. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2013:2013. p. 505-6. Available from: www.scopus.com	
			11. Pereverzev AA, Ageyev DV. Heuristic method of adaptive routing for solving dynamic RWA. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2013:2013. p. 496-7. Available from: www.scopus.com	
			12. Ignatenko AA, Ageyev DV. Structural and parametric synthesis of telecommunication systems with the usage of the multi-layer graph model. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2013:2013. p. 498-9. Available from: www.scopus.com	

			13. Ageyev DV, Wehbe F. Parametric synthesis of enterprise infocommunication systems using a multi-layer graph model. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 507-8.Available from: www.scopus.com		
			14. Ageyev D, Al-Anssari A. Optimization model for multi-time period LTE network planning. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 29-30.Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992288		
			15. Ageyev D, Yarkin D, Nameer Q. Traffic aggregation and EPS network planning problem. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 107-8.Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992316		
			16. Dmytro A, Ali A-, Nameer Q. Multi-period LTE RAN and services planning for operator profit maximization. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 25-7.Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230786		

			17. Ageyev D, Al-Ansari A. LTE RAN and services multi-period planning. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 272-4. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357334		
			18. Ageyev D, Qasim N. LTE EPS network with self-similar traffic modeling for performance analysis. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 275-7. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357335		
			19. Ageyev DV, Salah MT. Parametric synthesis of overlay networks with self-similar traffic. Telecommun Radio Eng [Internet]. 2016;75(14):1231-41. Available from: www.scopus.com		
			20. Al-Dulaimi A, Al-Dulaimi M, Asevev D. Realization of resource blocks allocation in LTE downlink in the form of nonlinear optimization. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 646-8. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452140		
			21. Karpukhin A, Tevjashev A, Tkachenko V, Ageyev D. Features of the use of software packages for modeling infocommunication systems. In: 2017 4th International Scientific-Practical Conference Problems		

				of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 380-2. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246421		
				22. Ageyev D, Bondarenko O, Alfroukh W, Radivilova T. Provision security in SDN/NFV. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 506-9. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336252		
				23. Ageyev D, Kirichenko L, Radivilova T, Tawalbeh M, Baranovskyi O. Method of self-similar load balancing in network intrusion detection system. In: 2018 28th International Conference Radioelektronika, RADIOELEKTRONIKA 2018 [Internet]; 20182018. p. 1-4. Available from: www.scopus.com DOI: 10.1109/RADIOELEK.2018.8376406		
				24. Ageyev D, Bondarenko O, Radivilova T, Alfroukh W. Classification of existing virtualization methods used in telecommunication networks. In: Proceedings of 2018 IEEE 9th International Conference on Dependable Systems, Services and Technologies, DESSERT 2018 [Internet]; 20182018. p. 83-6. Available from: www.scopus.com DOI: 10.1109/DESSERT.2018.8409104		
				25. Radivilova T, Kirichenko L, Ageyev D, Tawalbeh M, Bulakh V. Decrypting SSL/TLS traffic for hidden threats detection. In: Proceedings of 2018 IEEE 9th International Conference on Dependable Systems, Services and Technologies, DESSERT 2018 [Internet]; 20182018. p. 143-6. Available from: www.scopus.com		

				DOI: 10.1109/DESSERT.2018.8409116		
ІК	ІМІ	ТИХОНОВ ВЯЧЕСЛАВ АНАТОЛІЙОВ ІЧ	25	1. Golyas YE, Tikhonov VA. MICROPROCESSOR CORRECTOR IN A RADIO-TELESCOPE CONTROL SYSTEM. Telecommun Radio Eng [Internet]. 1983;37-38(1):139-40. Available from: www.scopus.com		
				2. Golyas YE, Tikhonov VA. MICROPROCESSORS IN RADIO ENGINEERING. Telecommun Radio Eng [Internet]. 1983;37-38(1):67-70. Available from: www.scopus.com		
				3. Kissilevsky FN, Starostin AE, Tertyshnii VT, Tikhonov VA. INFLUENCE OF IDENTIFICATION ACCURACY OF THE ROBOT KINEMATIC MODEL PARAMETERS ON THE QUALITY OF CONTINUOUS PATH CONTROL. . In: [Internet]; 19861986. p. 283-8. Available from: www.scopus.com		
				4. Golyas YE, Sevryukov BN, Tikhonov VA. A corrector for angle shift transformers. Izv VUZ Radioelektron [Internet]. 1991;34(2):93-5. Available from: www.scopus.com		
				5. Veremeenko KK, Tikhonov VA. Navigation and landing complex based on a satellite radionavigation system. Radiotekh [Internet]. 1996(1):94-9. Available from: www.scopus.com		
				6. Bezruk VM, Golikov VS, Tikhonov VA. Recognition of random signals described by the autoregression model. Izv Vysshikh Uchebnykh Zavedenij Radioelektron [Internet]. 2004;47(4):59-65. Available from: www.scopus.com		

				7. Tikhonov VA. Parametric estimates of higher-order spectra of non-gaussian statistically related processes. Radioelectron Commun Syst [Internet]. 2005;48(11):20-8. Available from: www.scopus.com		
				8. Tikhonov VA. Cumulant models of linear prediction of the processes of autoregression of the sliding mean. Radioelectron Commun Syst [Internet]. 2005;48(8):50-7. Available from: www.scopus.com		
				9. Tikhonov VA, Netrobenko KV. Parametric estimation of the third-order spectra of the mixture of a non-gaussian signal and gaussian correlated interference. Radioelectron Commun Syst [Internet]. 2005;48(2):24-9. Available from: www.scopus.com		
				10. Sidorov GI, Tikhonov VA, Savchenko IV, Netrobenko KV. Equalization of amplitude-frequency characteristic of a channel of communication in the presence of powerful gaussian noise. Telecommun Radio Eng [Internet]. 2005;64(12):1027-35. Available from: www.scopus.com		
				11. Tikhonov VA, Savchenko IV, Netrobenko KV. Improvement of adaptation method of a corrector of an intersymbol interference in SDSL data transmission system. Radioelectron Commun Syst [Internet]. 2006;49(12):31-6. Available from: www.scopus.com		
				12. Tikhonov VA, Netrobenko KV. High order statistics used in identification of non-gaussian processes by means of linear prediction models. Radioelectron Commun Syst [Internet]. 2006;49(7):13-20. Available from: www.scopus.com		

				13. Tikhonov VA, Netrobenko KV. A complex generalized model of autoregression of non-gaussian processes. Radioelectron Commun Syst [Internet]. 2006;49(8):14-20. Available from: www.scopus.com		
				14. Tikhonov VA, Netrobenko KV, Savchenko IV. The wiener third-order-statistics-based compensator of the non-gaussian noise. Telecommun Radio Eng [Internet]. 2006;65(6):581-7. Available from: www.scopus.com		
				15. Tikhonov VA, Netrobenko KV. Non-gaussian signals recognition against a background of additive noises. Telecommun Radio Eng [Internet]. 2007;66(18):1703-10. Available from: www.scopus.com		
				16. Bezruk V, Belov E, Voitovych O, Netrobenko K, Tikhonov V, Rudnev G, Khlopov G, Khomenko S. Application of AR model for radar recognition of meteorological objects. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 2010. p. 93. Available from: www.scopus.com		
				17. Bezruk VM, Belov YN, Voitovych OA, Netrobenko KA, Tikhonov VA, Rudnev GA, Khlopov GI, Khomenko SI. Application of autoregressive model for recognition of meteorological objects. In: 4th Microwave and Radar Week MRW-2010 - 11th International Radar Symposium, IRS 2010 - Conference Proceedings [Internet]; 2010. p. 326-8. Available from: www.scopus.com		

			18. Bezruk VM, Belov YN, Voitovich OA, Netrobenko KA, Tikhonov VA, Rudnev GA, Khlopov GI, Khomenko SI. Radar recognition of meteorological objects. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 1035-6. Available from: www.scopus.com		
			19. Fedotov I, Tikhonov V. Simulation of traction electric drive with vector systems of direct torque control. In: Vide. Tehnologija. Resursi - Environment, Technology, Resources [Internet]; 20132013. p. 105-10. Available from: www.scopus.com		
			20. Tikhonov V, Netrobenko V, Fil IO. Correlation analysis of compound vector random processes. Telecommun Radio Eng [Internet]. 2015;74(13):1167-73. Available from: www.scopus.com		
			21. Tikhonov VA, Bezruk VM, Netrobenko KV, Fil' IO. Use of high-order statistics in non-gaussian process recognition from linear prediction models. Telecommun Radio Eng [Internet]. 2015;74(5):373-81. Available from: www.scopus.com		
			22. Fedotov I, Tikhonov V, Veselkov E, Seletskaya N. The comparative analysis of energetic characteristics of variable-frequency electric drives with direct torque control. In: Vide. Tehnologija. Resursi - Environment, Technology, Resources [Internet]; 20152015. p. 33-8. Available from: www.scopus.com DOI: 10.17770/etr2015vol1.219		

				23. Kartashov VM, Tikhonov VA, Voronin VV, Tymoshenko LP. Complex models of random signals in problems of acoustic sounding of atmosphere. Telecommun Radio Eng [Internet]. 2016;75(20):1885-92. Available from: www.scopus.com		
				24. Tikhonov VA, Tkalenko AV, Lapa VE. Application of higher-order statistics to analyzing non-gaussian fields of signals. Telecommun Radio Eng [Internet]. 2016;75(15):1321-9. Available from: www.scopus.com		
				25. Kartashov VM, Tikhonov VA, Voronin VV. Features of construction and application of complex systems for the atmosphere remote sounding. Telecommun Radio Eng [Internet]. 2017;76(8):743-9. Available from: www.scopus.com		
ІРТЗІ	КРiСТ ЗІ	СТРЕЛЬНИЦЬ КИЙ ОЛЕКСІЙ ОЛЕКСАНДРО ВИЧ	25	1. Shokalo VM, Luchaninov AI, Gawa DS, Gretskih DV, Lihograj VG, Strelnytskyi AE, Sukhomlinov DV, Strelnytskyi AA, Babanskaya EV, Krikun EV. New research results of nonlinear effects and spectral efficiency in the radio channels of the modern communication systems. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 2006:2006. p. 510-1. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404610	10	Strelnytskyi, A. A.; Strelnytskyi, A. E.; Tsopa, A. I.; Shokalo, V. M.; The model of the multiterminal network for attenuation calculation of the radio waves in the wave channels of the architectural buildings (KNURE-WCAB model); KPBIMUKO 2007CRIMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368686
				2. Strelnytskyi AA, Strelnytskyi AE, Tsopa AI, Shokalo VM. Version of the attenuation calculation model of the broadband signal in the radio circuit of the local communications network (KNURE Wi-Fi model). In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology,		Strelnytskyi, A. A.; Strelnytskyi, A. E.; Tsopa, A. I.; Shokalo, V. M.; Version of the attenuation calculation model of the broadband signal in the radio circuit of the local communications network (KNURE Wi-Fi model); KPBIMUKO 2007CRIMICO: 17TH

			CRIMICO [Internet]; 20072007. p. 215-7. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368687	INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368687
			3. Strelnytskyi AA, Strelnytskyi AE, Tsopa AI, Shokalo VM. The model of the multiterminal network for attenuation calculation of the radio waves in the wave channels of the architectural buildings (KNURE - WCAB model). In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 20072007. p. 213-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368686	Shokalo, V. M.; Luchaninov, A. I.; Gavva, D. S.; Gretskih, D. V.; Lihograj, V. G.; Strelnytskyi, A. E.; Babanskaya, E. V.; Krikun, E. V.; New research results of nonlinear effects and spectral efficiency in the radio channels of the modern communication systems; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006
			4. Strelnitskiy AA, Strelnitskiy AE, Tsopa AI, Shokalo VM. Theory and practice of construction of radio channels of local wireless networks with adjusted quality of information transmission. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 3-9. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676676	Lyhograi, V.; Strelnitskiy, A.; Shokalo, V.; The experimental definition of spectral efficiency for office SRAS; 2005 15th International Crimean Conference Microwave & Telecommunication Technology, Vols 1 and 2, Conference Proceedings; 2005
			5. Strelnytskyi AA, Strelnytskyi AE, Tsopa AA, Tsopa AI, Shokalo VM. Experimental researches of wideband connection wireless access system wimax by streets waves channels distribution signals. In: 2008 4th International Conference on Ultrawideband and Ultrashot Impulse Signals, UWBUSIS 2008 [Internet]; 20082008. p. 116-8. Available from: www.scopus.com	Shokalo, VM; Lyhograi, VG; Strelnitskiy, AY; Experimental investigations of antennas for the LAN Radioethernet; 5th International Conference on Antenna Theory and Techniques, Proceedings; 2005 10.1109/ICATT.2005.1496967

			DOI: 10.1109/UWBUS.2008.4669377		
			6. Strelnitskiy AA, Tsopa AI, Shokalo VM. Approximate model for estimation of efficiency and noise immunity of branched street and corridor wi-fi and WiMAX communication channels. Telecommun Radio Eng [Internet]. 2009;68(17):1511-28. Available from: www.scopus.com		Doroshenko, V. O.; Strelnytskyi, O. O.; Strelnytskyi, O. E.; EXPERIMENTAL INVESTIGATION OF THE CONE ANTENNA WITH A LONGITUDINAL SLOT; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
			7. Strelnytskyi AA, Tsopa AI, Shokalo VM. Microwave multipolar model of branching corridor radio channels with operating Wi-Fi system inside a building. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 271-2. Available from: www.scopus.com		Doroshenko, V. O.; Strelnytskyi, O. E.; Strelnytskyi, O. O.; EXPERIMENTAL STUDY OF THE PROPERTIES OF WIDEBAND ANTENNAS OF SPECIAL SHAPE; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
			8. Dudka OO, Strelnytskyi AA, Strelnytskyi AE, Tsopa OI, Shokalo VM. Ways to improve the security of communication channels of information transmission digital systems at the physical level. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 28-31. Available from: www.scopus.com		Doroshenko, V. O.; Strelnytskyi, O. E.; Strelnytskyi, O. O.; EXCITATION OF THE SLOT CONICAL ANTENNA (THEORY AND EXPERIMENT); 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
			9. Strelnitskiy AA, Strelnitskiy AE, Tsopa OI, Shokalo VM. Prediction model of energy security for the systems of subscriber radio access with branched street and corridor communications channels. Radioelectron		Doroshenko, Volodymyr O.; Strelnytskyi, Oleksandr O.; Time Domain Green's Function for a Semi-Penetrable Circular Cone with Longitudinal Slots; 2014 INTERNATIONAL

				Commun Syst [Internet]. 2011;54(2):61-7. Available from: www.scopus.com		CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY (MMET); 2014
				10. Strelnitskiy AA, Strelnitskiy AE, Tsopa AI, Shokalo VM, Yagudina EV. Estimation of the probability to detect signals of wireless communication systems with wiretap channels with antennas apertures of different sizes and relative position. Telecommun Radio Eng [Internet]. 2011;70(7):601-6. Available from: www.scopus.com		Alekseev, I. E.; Voronin, V. V.; Strelnitskiy, O. E.; Strelnitskiy, O. O.; Tsopa, O., I; Shokalo, V. M.; The ideology of special Ukrainian digital information transmission systems' creation; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006
				11. Strelnitskiy OO, Strelnitskiy OE, Shokalo VM, Yagudina OV. The method for calculating channel digital communication systems with a given probability of detection. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2011 2011. p. 433-5. Available from: www.scopus.com		
				12. Strelnitskiy AA, Strelnitskiy AE, Shokalo VM, Yagudina EV. Method for calculation of radio channel of information transmission digital systems with specified detection probability. Telecommun Radio Eng [Internet]. 2012;71(3):227-34. Available from: www.scopus.com		
				13. Strelnitskiy OO, Shokalo VM, Yagudina EV, Abdul-Hussein MK. The method of calculating detection areas of digital communication systems. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science -		

				Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 268. Available from: www.scopus.com		
				14. Strelnitskiy AA, Shokalo VM, Yagudina EV, Abdul-Hussein MK. Method of calculating the detection zone boundaries of the rayleigh wi-fi wireless channel with quasi-static fading. Radioelectron Commun Syst [Internet]. 2012;55(10):452-7. Available from: www.scopus.com		
				15. Strelnitskiy OO, Shokalo VM. Theory and practice of construction of stealth Rayleigh Wi-Fi channels. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 13-6. Available from: www.scopus.com		
				16. Strelnytskyi OO, Vasylychenko VS, Strelnytskyi OO. Variants of construction the mobile wideband communication channel Wi-Fi - 3G. In: 2012 6th International Conference on Ultrawideband and Ultrashort Impulse Signals, UWBUSIS 2012 - Conference Proceedings [Internet]; 20122012. p. 144-6. Available from: www.scopus.com DOI: 10.1109/UWBUSIS.2012.6379760		
				17. Maistrenko GV, Rybalko AM, Shokalo VM, Strelnitskiy AA. Noise immunity of broadband digital communication channels with adaptive antennas and M-phase signal modulation. In: 2012 6th International Conference on Ultrawideband and Ultrashort Impulse Signals, UWBUSIS 2012 - Conference Proceedings [Internet]; 20122012. p. 105-7. Available from: www.scopus.com DOI:		

				10.1109/UWBUSIS.2012.6379747		
				18. Shokalo VM, Strelnitskiy AA, Abdul-Hussein MK, Yagudina EV. Refined model for calculation of limiting secret efficiency of wi-fi communication channel. Telecommun Radio Eng [Internet]. 2012;71(16):1465-73. Available from: www.scopus.com		
				19. Maistrenko GV, Rybalko AM, Strelnitskiy AA, Shokalo VM. Influence of random variation of the interference arrival direction on noise-immunity of wi-fi communication channel with adaptive antennas. Telecommun Radio Eng [Internet]. 2013;72(10):907-18. Available from: www.scopus.com		
				20. Bulanyi AA, Maistrenko GV, Strelnitskiy AA, Shokalo VM. Analysis of noise-immunity and spectral efficiency wi-fi channels with linear and two-dimensional adaptive antenna array under the influence of several interferences and one signal. Telecommun Radio Eng [Internet]. 2014;73(9):767-75. Available from: www.scopus.com		
				21. Vovchenko VS, Medvedev EA, Strelnitskiy AA. Simulation and evaluation of losses in digital information transmission systems of LTE and LTE-advanced standard for different configurations of MIMO systems. Telecommun Radio Eng [Internet]. 2015;74(10):885-93. Available from: www.scopus.com		
				22. Strelnitskiy AA, Zavolodko GE, Andrusevich VA. Data processing optimization in the aerospace surveillance system network. Telecommun Radio Eng [Internet]. 2016;75(13):1193-200. Available from:		

				www.scopus.com		
				23. Aliksieiev V, Strelnitskiy A, Gavva D, Gorelov D, Synytsia Y. Studying of keystroke dynamics statistical properties for biometrie user authentication. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 559-63.Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336264		
				24. Strelnitskiy AA, Gavva DS, Aliksieiev VO, Obod II, Zavolodko GE. Improvement of information protection quality of systems for observing airspace. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 524-8.Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336256		
				25. Gavva DS, Strelnitskiy AA, Gretskih DV, Gorelov DY, Medvedev EA. Impact of non-linear switch characteristics on the reconfigured antenna properties. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 591-6.Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336272		
ІРТЗІ	РТІКС	ЦОПА ОЛЕКСАНДР ІВАНОВИЧ	25	1. Strelnytskyi AA, Strelnytskyi AE, Tsopa AI, Shokalo VM. Version of the attenuation calculation model of the broadband signal in the radio circuit of the local communications network (KNURE Wi-Fi model). In:	6	Tsopa, A. I.; Ivanov, V. K.; Leonidov, V. I.; Maleshenko, Yu. I.; Pavlikov, V. V.; Ruzhentsev, N. V.; Zarudniy, A. A.; The Research Program of Millimetric Radio Waves

			2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 20072007. p. 215-7. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368687	Attenuation Characteristics on Perspective Communication Lines of Ukraine; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
			2. Strelnytskyi AA, Strelnytskyi AE, Tsopa AI, Shokalo VM. The model of the multiterminal network for attenuation calculation of the radio waves in the wave channels of the architectural buildings (KNURE - WCAB model). In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 20072007. p. 213-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368686	Pavlikov, V. V.; Ruzhentsev, N. V.; Sobkolov, A. D.; Tsopa, A. I.; Sal'nikov, D. S.; Millimeter-Range Radiometric System for Perspective Problems of Meteorology and Telecommunication; 2017 XI INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2017
			3. Strelnitskiy OE, Tsopa OO, Tsopa OI, Shokalo VM. The variant of quality increasing of video information transmission via WIMAX fixed connection radio channel. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 388-9. Available from: www.scopus.com	Leonidov, V., I; Ruzhentsev, N., V; Tsopa, A., I; Zarudniy, A. A.; Pavlikov, V. V.; Ivanov, V. K.; Maleshenko, Yu., I; The Project of Joint Investigations of Millimetre Waves Propagations for Ukrainian Advanced 5G Communication Lines; 2016 9TH INTERNATIONAL KHARKIV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES (MSMW); 2016
			4. Strelnitskiy AA, Strelnitskiy AE, Tsopa AI, Shokalo VM. Theory and practice of construction of radio channels of local wireless networks with adjusted quality of information transmission. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 3-	Streinytskyi, A. A.; Streinytskyi, A. E.; Tsopa, A. A.; Tsopa, A., I; Shokalo, V. M.; EXPERIMENTAL RESEARCHES OF WIDEBAND CONNECTION WIRELESS ACCESS SYSTEM WIMAX BY STREETS WAVES CHANNELS DISTRIBUTION SIGNALS; 2008 4TH INTERNATIONAL

			9. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676676		CONFERENCE ON ULTRAWIDEBAND AND ULTRASHORT IMPULSE SIGNALS, PROCEEDINGS; 2008 10.1109/UWBUS.2008.4669377
			5. Shokalo VM, Tsopa OI, Maslyi VV. Scientific researches results of wired specialized digital information transmission systems creation (DITS). In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 2008. p. 1-4. Available from: www.scopus.com		Strelnytskyi, A. A.; Strelnytskyi, A. E.; Tsopa, A. I.; Shokalo, V. M.; The model of the multiterminal network for attenuation calculation of the radio waves in the wave channels of the architectural buildings (KNURE-WCAB model); KPBIMUKO 2007 CRMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368686
			6. Strelnytskyi AA, Strelnytskyi AE, Tsopa AA, Tsopa AI, Shokalo VM. Experimental researches of wideband connection wireless access system wimax by streets waves channels distribution signals. In: 2008 4th International Conference on Ultrawideband and Ultrashot Impulse Signals, UWBUSIS 2008 [Internet]; 2008. p. 116-8. Available from: www.scopus.com DOI: 10.1109/UWBUS.2008.4669377		Strelnytskyi, A. A.; Strelnytskyi, A. E.; Tsopa, A. I.; Shokalo, V. M.; Version of the attenuation calculation model of the broadband signal in the radio circuit of the local communications network (KNURE Wi-Fi model); KPBIMUKO 2007 CRMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368687
			7. Dudka AA, Tsopa AI, Shokalo VM. Cable communication system as antenna. radiation and reception regimes. Telecommun Radio Eng [Internet]. 2009;68(10):865-74. Available from: www.scopus.com		

			8. Strelnitskiy AA, Tsopa AI, Shokalo VM. Approximate model for estimation of efficiency and noise immunity of branched street and corridor wi-fi and WiMAX communication channels. Telecommun Radio Eng [Internet]. 2009;68(17):1511-28. Available from: www.scopus.com		
			9. Strelnytskyi AA, Tsopa AI, Shokalo VM. Microwave multipolar model of branching corridor radio channels with operating Wi-Fi system inside a building. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 271-2. Available from: www.scopus.com		
			10. Shynkarenko IV, Tsopa OI. Radio frequency interference effect on the streaming video in digital transmission systems based on SHDSL technology. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 162. Available from: www.scopus.com		
			11. Dudka OO, Strelnytskyi AA, Strelnytskyi AE, Tsopa OI, Shokalo VM. Ways to improve the security of communication channels of information transmission digital systems at the physical level. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 28-31. Available from: www.scopus.com		

			12. Strelnitskiy AA, Strelnitskiy AE, Tsopa OI, Shokalo VM. Prediction model of energy security for the systems of subscriber radio access with branched street and corridor communications channels. Radioelectron Commun Syst [Internet]. 2011;54(2):61-7. Available from: www.scopus.com		
			13. Shynkarenko IV, Tsopa OI. Experimental security estimation of multimedia digital data transmission systems based on SHDSL technologies. Radioelectron Commun Syst [Internet]. 2011;54(5):254-9. Available from: www.scopus.com		
			14. Strelnitskiy AA, Strelnitskiy AE, Tsopa AI, Shokalo VM, Yagudina EV. Estimation of the probability to detect signals of wireless communication systems with wiretap channels with antennas apertures of different sizes and relative position. Telecommun Radio Eng [Internet]. 2011;70(7):601-6. Available from: www.scopus.com		
			15. Kuznietsov O, Tsopa O. Variant of wireless MIMO channel security estimation model based on cluster approach. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTTS'2011 [Internet]; 2011:2011. p. 225-9. Available from: www.scopus.com DOI: 10.1109/EWDTTS.2011.6116409		
			16. Ivzhenko AV, Tsopa AI. Performance evaluation of adaptational mechanism of WiMAX wireless communication system based on PSNR metric in multimedia information transmission. Telecommun Radio Eng [Internet]. 2014;73(10):881-98. Available from: www.scopus.com		

			17. Makarov LB, Bitchenko AM, Tsopa AI, Kuznetsov AA. Entropic estimation of immunity in communication systems. Telecommun Radio Eng [Internet]. 2014;73(17):1561-73. Available from: www.scopus.com		
			18. Tsopa AI. Estimation of signal encoding and scrambling impact on information transmission system security. Telecommun Radio Eng [Internet]. 2015;74(1):51-60. Available from: www.scopus.com		
			19. Ganshyn DG, Dudka AA, Bitchenko AN, Tsopa AI. Analysis of structural secrecy of multi-frequency signals of broadband communication systems. Telecommun Radio Eng [Internet]. 2016;75(13):1209-19. Available from: www.scopus.com		
			20. Tsopa AI, Ivanov VK, Leonidov VI, Maleshenko YI, Pavlikov VV, Ruzhentsev NV, Zarudniy AA. The research program of millimetric radio waves attenuation characteristics on perspective communication lines of Ukraine. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 2016. p. 638-42. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452138		
			21. Leonidov VI, Ruzhentsev NV, Tsopa AI, Zarudniy AA, Pavlikov VV, Ivanov VK, Maleshenko YI. The project of joint investigations of millimetre waves propagations for Ukrainian advanced 5G communication lines. In: 9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2016 [Internet]; 2016. Available from: www.scopus.com		

				DOI: 10.1109/MSMW.2016.7538185		
				22. Pavlikov VV, Ruzhentsev NV, Sobkolov AD, Salnikov DS, Tsopa AI. Ground-based radiometric complex of millimeter wave band for meteorology and telecommunications applications. Telecommun Radio Eng [Internet]. 2017;76(16):1477-88. Available from: www.scopus.com		
				23. Pavlikov VV, Ruzhentsev NV, Sobkolov AD, Tsopa AI, Sal'nikov DS. Millimeter-range radiometric system for perspective problems of meteorology and telecommunication. In: 2017 11th International Conference on Antenna Theory and Techniques, ICATT 2017 [Internet]; 2017:2017. p. 46-51. Available from: www.scopus.com DOI: 10.1109/ICATT.2017.7972583		
				24. Pavlikov V, Ruzhentsev N, Salnykov D, Tsopa A, Merzlikin A. Methodical maintenance of radiometric measurements of atmosphere at millimeter waves range. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018:2018. p. 75-8. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336159		
				25. Salnykov D, Dudka A, Tsopa A. Security analysis of wireless communication systems of the millimeter waves band. In: Proceedings of 2018 IEEE 9th International Conference on Dependable Systems, Services and Technologies, DESSERT 2018 [Internet]; 2018:2018. p. 645-8. Available from: www.scopus.com DOI: 10.1109/DESSERT.2018.8409211		

Пробле мна науков о- дослід на лабора торія автома тизова них систем управлі ння	ПЛІСС ІРИНА ПАВЛІВНА	25	1. Rudenko OG, Bodyanskii EV, Pliss IP. ADAPTIVE ALGORITHM FOR PREDICTION OF RANDOM SEQUENCES. Sov Autom Control [Internet]. 1979;12(1):46-8. Available from: www.scopus.com	18	Bodyanskiy, Yevgeniy; Vynokurova, Olena; Pliss, Iryna; Setlak, Galina; Mulesa, Pavlo; Fast Learning Algorithm for Deep Evolving GMDH-SVM Neural Network in Data Stream Mining Tasks; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
			2. Maleshkov SB, Pliss IP, Madzarov NE. ADAPTIVE GENERALIZED FORECASTING OF NONSTATIONARY PROCESSES. In: IEE Conference Publication [Internet]; 1985:1985. p. 593-8. Available from: www.scopus.com		Bodyanskiy, Y; Lamonova, N; Pliss, I; Vynokurova, O; An adaptive learning algorithm for a wavelet neural network; EXPERT SYSTEMS; 2005 22 10.1111/j.1468-0394.2005.00314.x
			3. Bodyanskiy Y, Otto P, Pliss I, Popov S. An optimal algorithm for combining multivariate forecasts in hybrid systems. In: Lecture Notes in Artificial Intelligence (Subseries of Lecture Notes in Computer Science) [Internet]; 2003:2003. p. 967-72. Available from: www.scopus.com		Bodyanskiy, Yevgeniy; Vynokurova, Olena; Pliss, Iryna; Peleshko, Dmytro; Rashkevych, Yuriy; Hybrid Generalized Additive Wavelet-Neuro-Fuzzy-System and Its Adaptive Learning; DEPENDABILITY ENGINEERING AND COMPLEX SYSTEMS; 2016 470 10.1007/978-3-319-39639-2_5
			4. Bodyanskiy Y, Lamonova N, Pliss I, Vynokurova O. An adaptive learning algorithm for a wavelet neural network. Expert Syst [Internet]. 2005;22(5):235-40. Available from: www.scopus.com		Bodyanskiy, Yevgeniy; Vynokurova, Olena; Pliss, Iryna; Peleshko, Dmytro; Hybrid Adaptive Systems of Computational Intelligence and Their On-line Learning for Green IT in Energy Management Tasks; GREEN IT ENGINEERING: CONCEPTS,

					MODELS, COMPLEX SYSTEMS ARCHITECTURES; 2017 74 10.1007/978-3-319-44162-7_12
				5. Bodyanskiy Y, Gorshkov Y, Kolodyazhniy V, Pliss I. Rough sets-based recursive learning algorithm for radial basis function networks; 2005. 59 p. Available from: www.scopus.com	Pliss, Iryna; Perova, Iryna; Diagnostic Neuro-Fuzzy System and Its Learning in Medical Data Mining Tasks in Conditions of Uncertainty about Numbers of Attributes and Diagnoses; AUTOMATIC CONTROL AND COMPUTER SCIENCES; 2017 51 10.3103/S0146411617060062
				6. Bodyanskiy YV, Boiko OO, Pliss IP. Adaptive method of hybrid learning for an evolving neuro-fuzzy system. Cybern Syst Anal [Internet]. 2015;51(4):500-5. Available from: www.scopus.com	RUDENKO, OC; BODJANSKIY, EV; PLISS, IP; ADAPTIVE ALGORITHM OF RANDOM SEQUENCES PREDICTION; AVTOMATIKA; 1979
				7. Bodyanskiy Y, Vynokurova O, Setlak G, Pliss I. Hybrid neuro-neo-fuzzy system and its adaptive learning algorithm. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 20152015. p. 111-4. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325445	Setlak, Galina; Bodyanskiy, Yevgeniy; Pliss, Iryna; Vynokurova, Olena; Peleshko, Dmytro; Kobylin, Illya; Adaptive Fuzzy Clustering of Multivariate Short Time Series with Unevenly Distributed Observations Based on Matrix Neuro-Fuzzy Self-organizing Network; ADVANCES IN FUZZY LOGIC AND TECHNOLOGY 2017, VOL 3; 2018 643 10.1007/978-3-319-66827-7_28
				8. Deineko A, Kutsenko Y, Pliss I, Shalamov M. Kernel evolving neural networks for sequential principal component analysis and its adaptive learning algorithm. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 20152015. p. 107-10. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325444	Bodyanskiy, Yevgeniy; Vynokurova, Olena; Pliss, Iryna; Peleshko, Dmytro; Rashkevych, Yuriy; Deep Stacking Convex Neuro-Fuzzy System and Its On-line Learning; ADVANCES IN DEPENDABILITY ENGINEERING OF COMPLEX SYSTEMS; 2018 582 10.1007/978-3-319-59415-6_5

			9. Bodyanskiy Y, Vynokurova O, Pliss I, Mulesa P. Multilayer wavelet-neuro-fuzzy systems in dynamic data mining tasks In: Soft Computing: Developments, Methods and Applications. [Internet]. ; 2016 p. 69-146. Available from: www.scopus.com	Perova, Iryna; Pliss, Iryna; Churyumov, Gennadiy; Eze, Franklin M.; Mahmoud, Samer Mohamed Kanaan; Neo-Fuzzy Approach for Medical Diagnostics Tasks in Online-Mode; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
			10. Bodyanskiy Y, Vynokurova O, Pliss I, Peleshko D, Rashkevych Y. Hybrid generalized additive wavelet-neuro-fuzzy-system and its adaptive learning; 2016. 51 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-39639-2_5	Bodyanskiy, Ye. V.; Boiko, O. O.; Pliss, I. P.; ADAPTIVE METHOD OF HYBRID LEARNING FOR AN EVOLVING NEURO-FUZZY SYSTEM; CYBERNETICS AND SYSTEMS ANALYSIS; 2015 51 10.1007/s10559-015-9741-x
			11. Bodyanskiy Y, Dolotov A, Pliss I, Malyar M. A fast learning algorithm of self-learning spiking neural network. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 2016. p. 104-7. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583517	Setlak, Galina; Bodyanskiy, Yevgeniy; Pliss, Iryna; Boiko, Olena; Vynokurova, Olena; Deep Evolving Stacking Convex Cascade Neo-Fuzzy Network and its Rapid Learning; PROCEEDINGS OF THE 2018 FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS (FEDCSIS); 2018 10.15439/2018F200
			12. Bodyanskiy Y, Vynokurova O, Pliss I, Setlak G, Mulesa P. Fast learning algorithm for deep evolving GMDH-SVM neural network in data stream mining tasks. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 2016. p. 257-62. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583555	Deineko, Anastasiia O.; Zhernova, Polina Ye; Gordon, Boris; Zayika, Oleksandr O.; Pliss, Iryna; Pabyrivska, Nelya; Data Stream Online Clustering Based on Fuzzy Expectation-Maximization Approach; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018

			13. Perova I, Pliss I, Churyumov G, Eze FM, Mahmoud SMK. Neo-fuzzy approach for medical diagnostics tasks in online-mode. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 20162016. p. 34-7. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583502	Bodyanskiy, Yevgeniy; Pliss, Iryna; Kopaliani, Daria; Boiko, Olena; Deep 2D-Neural Network and its Fast Learning; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
			14. Setlak G, Bodyanskiy Y, Vynokurova O, Pliss I. Deep evolving GMDH-SVM-neural network and its learning for Data Mining tasks. In: Proceedings of the 2016 Federated Conference on Computer Science and Information Systems, FedCSIS 2016 [Internet]; 20162016. p. 141-5. Available from: www.scopus.com DOI: 10.15439/2016F183	Bodyanskiy, Yevgeniy; Dolotov, Artem; Pliss, Iryna; Malyar, Mykola; A Fast Learning Algorithm of Self-Learning Spiking Neural Network; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
			15. Pliss I, Perova I. Diagnostic neuro-fuzzy system and its learning in medical data mining tasks in conditions of uncertainty about numbers of attributes and diagnoses. Autom Control Comput Sci [Internet]. 2017;51(6):391-8. Available from: www.scopus.com	Bodyanskiy, Y; Gorshkov, Y; Kolodyazhniy, V; Pliss, I; Rough sets-based recursive learning algorithm for radial basis function networks; ARTIFICIAL NEURAL NETWORKS: FORMAL MODELS AND THEIR APPLICATIONS - ICANN 2005, PT 2, PROCEEDINGS; 2005 3697
			16. Bodyanskiy Y, Vynokurova O, Pliss I, Peleshko D. Hybrid adaptive systems of computational intelligence and their on-line learning for green it in energy management tasks; 2017. 229 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-44162-7_12	Bodyanskiy, Y; Otto, P; Pliss, I; Popov, S; An optimal algorithm for combining multivariate forecasts in hybrid systems; KNOWLEDGE-BASED INTELLIGENT INFORMATION AND ENGINEERING SYSTEMS, PT 2, PROCEEDINGS; 2003 2774
			17. Perova I, Pliss I. Deep hybrid system of computational intelligence with architecture adaptation for medical fuzzy diagnostics. Int J Intell Syst Appl [Internet]. 2017;9(7):12-21. Available from: www.scopus.com	BODYANSKY, EV; PLISS, IP; SOLOVIEVA, TV; ADAPTIVE GENERALIZED PREDICTION OF MULTIVARIABLE STOCHASTIC SEQUENCES; DOPOVIDI AKADEMII NAUK UKRAINSKOI RSR

					SERIYA A-FIZIKO-MATEMATICHNI TA TECHNICHNI NAUKI; 1989
				18. Bodyanskiy Y, Pliss I, Vynokurova O. The neo-fuzzy autoencoder for adaptive deep neural systems and its learning. In: CEUR Workshop Proceedings [Internet]; 20182018. p. 161-4. Available from: www.scopus.com	BODYANSKY, EV; PLISS, IP; SOLOVYEVA, TV; MULTISTAGE OPTIMAL PREDICTORS OF MULTIVARIABLE NONSTATIONARY STOCHASTIC CONTROLLED PROCESSES; DOPOVIDI AKADEMII NAUK UKRAINSKOI RSR SERIYA A-FIZIKO-MATEMATICHNI TA TECHNICHNI NAUKI; 1986
				19. Pliss I, Boiko O, Volkova V, Bodyanskiy Y. Matrix deep neural network and its rapid learning in data science tasks. In: CEUR Workshop Proceedings [Internet]; 20182018. p. 141-4. Available from: www.scopus.com	
				20. Bodyanskiy Y, Vynokurova O, Pliss I, Peleshko D, Rashkevych Y. Deep stacking convex neuro-fuzzy system and its on-line learning; 2018. 49 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-59415-6_5	
				21. Setlak G, Bodyanskiy Y, Pliss I, Vynokurova O, Peleshko D, Kobylin I. Adaptive fuzzy clustering of multivariate short time series with unevenly distributed observations based on matrix neuro-fuzzy self-organizing network; 2018. 308 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-66827-7_28	

				22. Bodyanskiy Y, Pliss I, Kopaliani D, Boiko O. Deep 2D-Neural Network and its Fast Learning. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 519-23. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478578		
				23. Deineko AO, Zhernova PY, Gordon B, Zayika OO, Pliss I, Pabyrivska N. Data Stream Online Clustering Based on Fuzzy Expectation-Maximization Approach. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 171-6. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478517		
				24. Setlak G, Bodvanskiy Y, Pliss I, Boiko O, Vynokurova O. Deep evolving stacking convex cascade neo-fuzzy network and its rapid learning. In: Proceedings of the 2018 Federated Conference on Computer Science and Information Systems, FedCSIS 2018 [Internet]; 20182018. p. 29-33. Available from: www.scopus.com DOI: 10.15439/2018F200		
				25. Zhernova P, Deyneko A, Deyneko Z, Pliss I, Ahafonov V. Data stream clustering in conditions of an unknown amount of classes; 2019. 410 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-91008-6_41		
KIY	АПІОТ	ХАХАНОВА ІРИНА ВІТАЛІЇВНА	23	1. Hahanov V, Krivoulya G, Hahanova I, Melnikova O, Obrizan V. High performance fault simulation for digital systems. In: Proceedings of the 2nd IEEE International Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and	16	Melnikova, Olga; Hahanova, Irina; Mostovaya, Karina; Using Multi-FPGA Systems for ASIC Prototyping; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2009

			Applications, IDAACS 2003 [Internet]; 20032003. p. 390-5. Available from: www.scopus.com DOI: 10.1109/IDAACS.2003.1249593		
			2. Hahanova I, Kamenuka E, Lukashenko O, Parvez K. Computing process organization based on logic nets. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 451-4. Available from: www.scopus.com		Hahanov, Vladimir; Iemelianov, Igor; Chumachenko, Svetlana; Hahanov, Ivan; Hahanova, Irina; Quantum Sequencer for the Minimal Test Synthesis of Black-box Functionality; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2017
			3. Hahanov V, Hahanova I, Hyde S. Topological BDP fault simulation method. In: Proceedings of the EUROMICRO Systems on Digital System Design, DSD 2004 [Internet]; 20042004. p. 440-3. Available from: www.scopus.com DOI: 10.1109/DSD.2004.1333308		Hahanov, Ivan; Amer, Tamer Bani; Hahanova, Irina; Dementiev, Sergey; Arefiev, Anton; Automaton MQT-model for Virtual Computer Design; PROCEEDINGS OF XIII INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015
			4. Hahanov V, Obrizan V, Hahanova I, Fomina E. Verification of digital system by a new asserting mechanism based on IEEE 1500 SECT standard. In: Proceedings of the International Conference on Mixed Design of Integrated Circuits and Systems, MIXDES 2006 [Internet]; 20062006. p. 544-8. Available from: www.scopus.com		Hahanov, V., I; Hyde, Stanley M.; Gharibi, Wajeb; Litvinova, E., I; Chumachenko, S., V; Hahanova, I., V; Quantum Models and Method for Analysis and Testing Computing Systems; 2014 11TH INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY: NEW GENERATIONS (ITNG); 2014 10.1109/ITNG.2014.125
			5. Hahanova I, Pobegenko I, Ghribi W, Kteiman H. Lifting structure implementation of discrete wavelet transform for filter bank 5/3. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference,		Hahanova, Irina; Emelyanov, Igor; Amer, Tamer Bani; Qubit Modeling Digital Systems; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2014

			TCSET 2006 [Internet]; 20062006. p. 38-40. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404437		
			6. Hahanova I, Miroshnychenko Y, Pobegenko I, Savvutin O. Design models of pipelined units for digital signal processing. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 87-91. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297485		Filippenko, I. V.; Hahanova, I. V.; Filippenko, I. O.; Maksimov, M.; Chugurov, I.; Models for SoC Infrastructure of Radio Frequency Identification with code-division multiple; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013
			7. Barannik V, Hahanova I, Kulbakova N. Dynamic coding of transforms of the images in two - level polyadic space. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 320-5. Available from: www.scopus.com		Gharibi, Wajeb; Hahanov, V., I; Carlsson, Anders; Hahanova, I., V; Filippenko, I., V; Quantum Technology for Analysis and Testing Computing Systems; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013
			8. Gorobets A, Kaminska M, Hahanova I. Image compression method based on transformative E n-coding. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 384-6. Available from: www.scopus.com		Hahanov, V., I; Hahanova, I., V; Litvinova, E., I; Chumachenko, S., V; Priymak, A.; Maksimov, M.; Yves, Tiecoura; Jararweh (Jordan), Malek Jihad Mohammad; Quantum models for description of digital systems; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013
			9. Melnikova O, Hahanova I, Mostovaya K. Using multi-FPGA systems for ASIC prototyping. In: Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 10th International Conference, CADSM 2009 [Internet];		Hahanova, Irina V.; Obrizan, Volodymyr; Adamov, Alexander; Shcherbin, Dmitry; Transaction Level Model of Embedded Processor for Vector-Logical Analysis; PROCEEDINGS OF IEEE EAST-WEST

				20092009. p. 237-9.Available from: www.scopus.com	DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013
				10. Hahanov V, Hahanova I, Umerah NC, Yves T. Testing and verification of HDL-models for SoC components. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS'10 [Internet]; 20102010. p. 77-82.Available from: www.scopus.com DOI: 10.1109/EWDTS.2010.5742112	Hahanova, I. V.; Quantum Processor For the Optimal Coverage; 2013 12TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013); 2013
				11. Hahanov V, Hahanova I, Guz O, Abbas MA. Quantum models for data structures and computing. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 291.Available from: www.scopus.com	Litvinova, Eugenia; Hahanova, Irina; Hahanova, Julia; Abbas, Baghdadi Ammar Awni; Embedded Repair of Logic Blocks; 2013 12TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013); 2013
				12. Hahanova IV. Quantum processor for the optimal coverage. In: 2013 12th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2013 [Internet]; 20132013. p. 132-7.Available from: www.scopus.com	Hahanova, Iryna; Miroshnychenko, Yaroslav; Pobegenko, Irina; Savvutin, Eksandr; Design models of pipelined units for digital signal processing; 2007 PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2007 10.1109/CADSM.2007.4297485
				13. Litvinova E, Hahanova I, Hahanova J, Abbas BAA. Embedded repair of logic blocks. In: 2013 12th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics,	Hahanov, V.; Obrizan, V.; Hahanova, I.; Fomina, E.; Verification of digital system by a new asserting mechanism based on IEEE 1500 SECT standard; PROCEEDINGS OF THE

				CADSM 2013 [Internet]; 20132013. p. 217-21. Available from: www.scopus.com		INTERNATIONAL CONFERENCE MIXED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS; 2006 10.1109/MIXDES.2006.1706639
				14. Hahanova IV, Obrizan V, Adamov A, Shcherbin D. Transaction level model of embedded processor for vector-logical analysis. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 20132013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673169		Hahanova, Irina; Pobegenko, Irina; Ghribi, Wade; Kteiman, Hassan; Lifting structure implementation of discrete wavelet transform for filter bank 5/3; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006
				15. Gharibi W, Hahanov VI, Carlsson A, Hahanova IV, Filippenko IV. Quantum technology for analysis and testing computing systems. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 20132013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673085		Hahanov, VI; Melnikova, OV; Hahanova, IV; Chamyan, HL; Topological method of fault simulation; BEC 2004: Proceeding of the 9th Biennial Baltic Electronics Conference; 2004
				16. Filippenko IV, Hahanova IV, Filippenko IO, Maksimov M, Chugurov I. Models for SoC infrastructure of radio frequency identification with code-division multiple. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 20132013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673173		Hahanova, I; Kamenuka, E; Lukashenko, O; Parvez, K; Computing process organization based on logic nets; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2004
				17. Hahanov VI, Hahanova IV, Litvinova EI, Chumachenko SV, Priymak A, Maksimov M, Yves T, Jararweh MJM. Quantum models for description of digital systems. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 20132013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673086		

			18. Hahanov VI, Hyduke SM, Gharibi W, Litvinova EI, Chumachenko SV, Hahanova IV. Quantum models and method for analysis and testing computing systems. In: ITNG 2014 - Proceedings of the 11th International Conference on Information Technology: New Generations [Internet]; 2014. p. 430-4. Available from: www.scopus.com DOI: 10.1109/ITNG.2014.125		
			19. Hahanova I, Emelyanov I, Amer TB. Qubit modeling digital systems. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2014 [Internet]; 2014. Available from: www.scopus.com DOI: 10.1109/EWDTs.2014.7027109		
			20. Hahanov I, Amer TB, Hahanova I, Dementiev S, Arefiev A. Automaton MQT-model for virtual computer design. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 2015. p. 66-9. Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230798		
			21. Hahanov V, Iemelianov I, Chumachenko S, Hahanov I, Hahanova I. Quantum sequencer for the minimal test synthesis of black-box functionality. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 2017. Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110148		
			22. Hahanov V, Litvinova E, Chumachenko S, Soklakova T, Hahanova I. Big data quantum computing In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 43-69. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_3		

				23. Hahanov V, Hacimahmud AV, Litvinova E, Chumachenko S, Hahanova I. Quantum Deductive Simulation for Logic Functions. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTs 2018 [Internet]; 2018. Available from: www.scopus.com DOI: 10.1109/EWDTs.2018.8524619		
ІПТЗІ	КРiСТ ЗІ	ДОЛЖИКОВ ВОЛОДИМИР ВАСИЛЬОВИ Ч	21	1. Dolzhikov VV, Likhograi VG. Optimizing power transmission by a microwave beam in the presence of random errors of the transmit antenna excitation. Telecommun Radio Eng [Internet]. 1997;51(4):46-52. Available from: www.scopus.com	7	Aleksieieva, Anna; Dolzhikov, Vladimir; Field Fluctuations in the Fresnel Zone of a Circular Focused Aperture in the Presence of Phase Errors; 2009 3RD EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION, VOLS 1-6; 2009
				2. Dolzhikov VV. Mean power-directivity diagram of a round aperture in the presence of phase fluctuations. Telecommun Radio Eng [Internet]. 1998;52(6):79-86. Available from: www.scopus.com		Dolzhikov, V. V.; Serbin, A., V; Field fluctuations in Fresnel zone of circular aperture with random phase errors; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006
				3. Dolzhikov VV. Longitudinal field strength distribution in the fresnel zone of a round focused aperture. Telecommun Radio Eng [Internet]. 1998;52(6):70-8. Available from: www.scopus.com		Dolzhikov, V. V.; Serbin, A. V.; Focal spot fluctuation of the circular focused aperture in the presence of phase errors; 2005 15th International Crimean Conference Microwave & Telecommunication Technology, Vols 1 and 2, Conference Proceedings; 2005
				4. Tokarsky PL, Dolzhikov VV. Simple approximation formulas for evaluating sommerfeld type integrals. Math Methods Electromag Theory MMET Conf Proc [Internet]. 1998;1:246-8. Available from: www.scopus.com		Dolzhikov, VV; Sebin, AV; The radial distribution of average field intensity in Fresnel zone of the circular focused aperture; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE,

					PROCEEDINGS; 2004
				5. Dolzhikov VV, Tokarski PL. Dipole field over a lossy half-space: An approximate analysis. Telecommun Radio Eng [Internet]. 2001;55(5):23-8. Available from: www.scopus.com	Dolzhikov, VV; Serbin, AV; Field of the circular focused aperture radiating into the material medium; MSMW'04: FIFTH INTERNATIONAL KHARKOV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER, AND SUBMILLIMETER WAVES, SYMPOSIUM PROCEEDINGS, VOLS 1 AND 2; 2004 10.1109/MSMW.2004.1346079
				6. Dolzhikov VV. On solution stability of problems in the statistical antenna synthesis over prescribed field pattern. Telecommun Radio Eng [Internet]. 2002;58(9-10):79-87. Available from: www.scopus.com	Dolzhikov, VV; Average characteristics of circular aperture with phase fluctuations; IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII RADIOELEKTRONIKA; 2002 45
				7. Dolzhikov VV. Average characteristics of round aperture in the presence of phase fluctuations. Izv Vysshikh Uchebnykh Zavedenij Radioelektron [Internet]. 2002;45(10):58-67. Available from: www.scopus.com	Tokarsky, PL; Dolzhikov, VV; Simple approximate formulas for evaluating Sommerfeld type integrals; 1998 INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, VOLS 1 AND 2; 1998
				8. Dolzhikov VV. A technique for synthesizing circular apertures with a prescribed radial distribution of the field in the fresnel zone. Telecommun Radio Eng [Internet]. 2002;57(4):27-34. Available from: www.scopus.com	

			9. Dolzhikov VV, Gorelov YP. Mean characteristics of a circular aperture with a tapered amplitude distribution. Telecommun Radio Eng [Internet]. 2002;58(11-12):1-10. Available from: www.scopus.com		
			10. Dolzhikov VV, Serbin AV. Field of the circular focused aperture radiating into the material medium. In: Fifth International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter, and Submillimeter Waves - Symposium Proceedings, MSMW'04 [Internet]; 20042004. p. 671-3. Available from: www.scopus.com		
			11. Dolzhikov VV, Serbin AV. The radial distribution of average field intensity in fresnel zone of the circular focused aperture. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 115-8. Available from: www.scopus.com		
			12. Dolzhikov VV, Serbin AV. Focal spot fluctuation of the circular focused aperture in the presence of phase errors. In: 2005 15th International Crimean Conference Microwave and Telecommunication Technology, CriMiCo'2005 - Conference Proceedings [Internet]; 20052005. p. 381-2. Available from: www.scopus.com DOI: 10.1109/CRMICO.2005.1564951		
			13. Dolzhikov VV, Serbin AV. Fluctuations of focal spot within the fresnel zone of a circular focused aperture with the availability of phase errors. Telecommun Radio Eng [Internet]. 2006;65(14):1267-73. Available from: www.scopus.com		

				14. Dolzhikov VV, Serbin AV. Field fluctuations in fresnel zone of circular aperture with random phase errors. In: 2006 16th International Crimean Microwave and Telecommunication Technology, CriMiCo [Internet]; 20062006. p. 483-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.2006.256073		
				15. Dolzhikov VV, Serbin AV. Fluctuations of field intensity maximum in fresnel zone of a round aperture in the presence of phase errors. Radioelectron Commun Syst [Internet]. 2007;50(3):168-75. Available from: www.scopus.com		
				16. Aleksieieva A, Dolzhikov V. Field fluctuations in the fresnel zone of a circular focused aperture in the presence of phase errors. In: European Conference on Antennas and Propagation, EuCAP 2009, Proceedings [Internet]; 20092009. p. 3121-5. Available from: www.scopus.com		
				17. Dolzhikov VV, Serbin AV, Pomazanov SV. Longitudinal field distribution in the fresnel zone of a circular aperture with a tapered amplitude pattern. Telecommun Radio Eng [Internet]. 2010;69(16):1407-20. Available from: www.scopus.com		
				18. Shifrin YS, Dolzhikov VV, Radchenko VY. Superdirectivity in the statistical antenna theory. Telecommun Radio Eng [Internet]. 2012;71(1):31-46. Available from: www.scopus.com		
				19. Shifrin YS, Dolzhikov VV. Field statistics of the circular aperture antenna focused at the fresnel zone. part 2. fluctuation field characteristics. Telecommun Radio Eng [Internet]. 2014;73(18):1615-44. Available from: www.scopus.com		

				20. Shifrin YS, Dolzhikov VV. Field statistics of the circular aperture antenna focused at the fresnel zone. part 1. mean field characteristics. Telecommun Radio Eng [Internet]. 2014;73(17):1503-31. Available from: www.scopus.com		
				21. Shifrin YS, Dolzhikov VV. Field statistics of the circular aperture antenna focused at the fresnel zone. part 3. correlation field characteristics. Telecommun Radio Eng [Internet]. 2015;74(2):95-126. Available from: www.scopus.com		
KIY	EOM	КОВАЛЕНКО АНДРІЙ АНАТОЛІЙОВ ИЧ	20	1. Kharchenko V, Andrashov A, Sklyar V, Kovalenko A, Siora O. Gap-and-IMECA-based assessment of I&C systems cyber security; 2012. 149 p. Available from: www.scopus.com DOI: 10.1007/978-3-642-30662-4-10	3	Kuchuk, Georgiy; Kovalenko, Andriy; Kharchenko, Vyacheslav; Shamraev, Anatoliy; Resource-Oriented Approaches to Implementation of Traffic Control Technologies in Safety-Critical I&C Systems; GREEN IT ENGINEERING: COMPONENTS, NETWORKS AND SYSTEMS IMPLEMENTATION; 2017 105 10.1007/978-3-319-55595-9_15
				2. Kharchenko V, Kovalenko A, Andrashov A, Siora A. Cyber security of FPGA-based NPP I&C systems: Challenges and solutions. In: 8th International Topical Meeting on Nuclear Plant Instrumentation, Control, and Human-Machine Interface Technologies 2012, NPIC and HMIT 2012: Enabling the Future of Nuclear Energy [Internet]; 20122012. p. 1338-49. Available from: www.scopus.com		Shamraev, Anatoliy; Shamraeva, Elena; Dovbnya, Anatoly; Kovalenko, Andriy; Ilyunin, Oleg; Green Microcontrollers in Control Systems for Magnetic Elements of Linear Electron Accelerators; GREEN IT ENGINEERING: CONCEPTS, MODELS, COMPLEX SYSTEMS ARCHITECTURES; 2017 74 10.1007/978-3-319-44162-7_15
				3. Oleg I, Vyacheslav K, Andriy K. Cyber security lifecycle and assessment technique for FPGA-based I&C systems. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 20132013 Available from: www.scopus.com DOI:		Kuchuk, Georgiy; Kharchenko, Vyacheslav; Kovalenko, Andriy; Ruchkov, Eugen; Approaches to Selection of Combinatorial Algorithm for Optimization in Network Traffic Control of Safety-Critical Systems;

				10.1109/EWDTS.2013.6673155		PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2016
				4. Kharchenko VS, Illiashenko OA, Kovalenko AA, Sklyar VV, Boyarchuk AV. Security informed safety assessment of NPP I&C systems: Gap-Imeca technique. In: International Conference on Nuclear Engineering, Proceedings, ICONE [Internet]; 20142014Available from: www.scopus.com DOI: 10.1115/ICONE22-31175		
				5. Sklyar V, Andrashov A, Babeshko E, Kovalenko A. Field programmable gate array technology for NPP I&Cs In: Nuclear Power Plant Instrumentation and Control Systems for Safety and Security. [Internet]. ; 2014 p. 116-45. Available from: www.scopus.com DOI: 10.4018/978-1-4666-5133-3.ch004		
				6. Kharchenko V, Kovalenko A, Andrashov A. Security of safety important I&C systems In: Nuclear Power Plant Instrumentation and Control Systems for Safety and Security. [Internet]. ; 2014 p. 233-70. Available from: www.scopus.com DOI: 10.4018/978-1-4666-5133-3.ch007		
				7. Andrashov AA, Bakhmach IS, Sklyar VV, Kovalenko AA. FPGA-based I&C applications in NPP's modernization projects: Case study. In: 9th International Topical Meeting on Nuclear Plant Instrumentation, Control, and Human-Machine Interface Technologies, NPIC and HMIT 2015 [Internet]; 20152015. p. 113-20.Available from: www.scopus.com		

			8. Kharchenko V, Kovalenko A, Andrashov A. Security of safety important I & C systems In: Standards and Standardization: Concepts, Methodologies, Tools, and Applications. [Internet]. ; 2015 p. 1279-316. Available from: www.scopus.com DOI: 10.4018/978-1-4666-8111-8.ch061		
			9. Kharchenko V, Kovalenko A, Siora O, Sklyar V. Security assessment of FPGA-based safety-critical systems: US NRC requirements context. In: International Conference on Information and Digital Technologies, IDT 2015 [Internet]; 20152015. p. 132-8. Available from: www.scopus.com DOI: 10.1109/DT.2015.7222963		
			10. Kharchenko V, Kovalenko A, Sklyar V. Secure environment establishment for FPGA-based safety-critical systems. In: Proceedings of 2015 IEEE East-West Design and Test Symposium, EWDTs 2015 [Internet]; 20162016 Available from: www.scopus.com DOI: 10.1109/EWDTs.2015.7493162		
			11. Kuchuk G, Kovalenko A, Kharchenko V, Shamraev A. Resource-oriented approaches to implementation of traffic control technologies in safety-critical I&C systems; 2017. 313 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-55595-9_15		
			12. Kharchenko V, Kovalenko A, Brezhniev I, Leontiiev K. Secure environment establishment for FPGA-based safety-critical systems: Quality management system context. In: 10th International Topical Meeting on Nuclear Plant Instrumentation, Control, and Human-Machine Interface Technologies, NPIC and HMIT 2017 [Internet]; 20172017. p. 434-41. Available from: www.scopus.com		

			13. Shamraev A, Shamraeva E, Dovbnya A, Kovalenko A, Ilyunin O. Green microcontrollers in control systems for magnetic elements of linear electron accelerators; 2017. 283 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-44162-7_15		
			14. Bakhmach I, Siora O, Andrashov A, Kharchenko V, Kovalenko A. Certification of radics FPGA-based platform under US NRC requirements. In: 10th International Topical Meeting on Nuclear Plant Instrumentation, Control, and Human-Machine Interface Technologies, NPIC and HMIT 2017 [Internet]; 20172017. p. 2085-91.Available from: www.scopus.com		
			15. Kuchuk G, Kharchenko V, Kovalenko A, Ruchkov E. Approaches to selection of combinatorial algorithm for optimization in network traffic control of safety-critical systems. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 20172017Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807655		
			16. Kharchenko V, Kovalenko A, Babeshko E, Leontiev K. Cyber security assurance approaches for FPGA-based safety platform configuration tool. In: Proceedings of the International Conference on Information and Digital Technologies, IDT 2017 [Internet]; 20172017. p. 160-3.Available from: www.scopus.com DOI: 10.1109/DT.2017.8024289		
			17. Panarin A, Sklyar V, Kharchenko V, Kovalenko A, Babeshko E. Modeling of industrial FPGA-based controllers with ForSyDe. In: Proceedings of the International Conference on Information and Digital Technologies, IDT 2017 [Internet]; 20172017. p. 164-		

				8. Available from: www.scopus.com DOI: 10.1109/DT.2017.8024290		
				18. Kharchenko V, Kovalenko A, Leontiiiev K, Panarin A, Duzhy V. Multi-diversity for FPGA platform based NPP I&C systems: New possibilities and assessment technique. In: International Conference on Nuclear Engineering, Proceedings, ICONE [Internet]; 2018. Available from: www.scopus.com DOI: 10.1115/ICONE26-82377		
				19. Kharchenko V, Kovalenko A, Siora O, Andrashov A. V-models of safety critical system life cycle: Classification and application. In: Proceedings of 2018 IEEE 9th International Conference on Dependable Systems, Services and Technologies, DESSERT 2018 [Internet]; 2018. p. 1-5. Available from: www.scopus.com DOI: 10.1109/DESSERT.2018.8409088		
				20. Kuchuk G, Kovalenko A, Komari IE, Svyrydov A, Kharchenko V. Improving big data centers energy efficiency: Traffic based model and method; 2019. 161 p. Available from: www.scopus.com DOI: 10.1007/978-3-030-00253-4_8		
IK	IKI	РАДІВІЛОВА ТАМАРА АНАТОЛІЇВНА	20	1. Hahanov V, Kamenuka E, Kteiman H, Ghribi W, Radivilova T. High-speed method of hardware simulation. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 2007. p. 222-5. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297530	12	Ivanisenko, Igor N.; Radivilova, Tamara A.; Survey of Major Load Balancing Algorithms in Distributed System; PROCEEDINGS OF 2015 INFORMATION TECHNOLOGIES IN INNOVATION BUSINESS CONFERENCE (ITIB); 2015

			2. Ivanisenko I, Kirichenko L, Radivilova T. Investigation of self-similar properties of additive data traffic. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 20152015. p. 169-71. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325459	Kirichenko, Lyudmyla; Radivilova, Tamara; Zinkevich, Illya; Forecasting Weakly Correlated Time Series in Tasks of Electronic Commerce; PROCEEDINGS OF THE 2017 12TH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE ON COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT 2017), VOL. 1; 2017
			3. Ivanisenko IN, Radivilova TA. Survey of major load balancing algorithms in distributed system. In: 2015 Information Technologies in Innovation Business Conference, ITIB 2015 - Proceedings [Internet]; 20152015. p. 89-92. Available from: www.scopus.com DOI: 10.1109/ITIB.2015.7355061	Radivilova, Tamara; Kirichenko, Lyudmyla; Ivanisenko, Igor; Calculation of Distributed System Imbalance in Condition of Multifractal Load; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
			4. Ivanisenko I, Radivilova T. The multifractal load balancing method. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 122-3. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357289	Ivanisenko, Igor; Kirichenko, Lyudmyla; Radivilova, Tamara; Investigation of Multifractal Properties of Additive Data Stream; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
			5. Kirichenko L, Ivanisenko I, Radivilova T. Dynamic load balancing algorithm of distributed systems. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 515-8. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452102	Kirichenko, Lyudmila; Ivanisenko, Igor; Radivilova, Tamara; Dynamic Load Balancing Algorithm of Distributed Systems; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016

			6. Ivanisenko I, Kirichenko L, Radivilova T. Investigation of multifractal properties of additive data stream. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 20162016. p. 305-8. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583564	Bulakh, Vitalii; Kirichenko, Lyudmyla; Radivilova, Tamara; Time Series Classification Based on Fractal Properties; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
			7. Radivilova T, Kirichenko L, Ivanisenko I. Calculation of distributed system imbalance in condition of multifractal load. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 156-8. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905366	Daradkeh, Yousef Ibrahim; Kirichenko, Lyudmyla; Radivilova, Tamara; Development of QoS Methods in the Information Networks with Fractal Traffic; INTERNATIONAL JOURNAL OF ELECTRONICS AND TELECOMMUNICATIONS; 2018 64 10.24425/118142
			8. Kirichenko L, Radivilova T. Analyzes of the distributed system load with multifractal input data flows. In: 2017 14th International Conference The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 20172017. p. 260-4. Available from: www.scopus.com DOI: 10.1109/CADSM.2017.7916130	Radivilova, Tamara; Hassan, Hassan Ali; Test for penetration in Wi-Fi network: attacks on WPA2-PSK and WPA2-Enterprise; 2017 SECOND INTERNATIONAL CONFERENCE ON INFORMATION AND TELECOMMUNICATION TECHNOLOGIES AND RADIO ELECTRONICS (UKRMICO); 2017
			9. Radivilova T, Kirichenko L, Yeremenko O. Calculation of routing value in MPLS network according to traffic fractal properties. In: 2nd International Conference on Advanced Information and Communication Technologies, AICT 2017 - Proceedings [Internet]; 20172017. p. 250-3. Available from: www.scopus.com DOI: 10.1109/AIACT.2017.8020112	Radivilova, Tamara; Kirichenko, Lyudmyla; Yeremenko, Oleksandra; Calculation of Routing Value in MPLS Network According to Traffic Fractal Properties; 2017 2ND IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION AND COMMUNICATION TECHNOLOGIES-2017 (AICT 2017); 2017

			10. Radivilova T, Hassan HA. Test for penetration in Wi-Fi network: Attacks on WPA2-PSK and WPA2-enterprise. In: 2nd International Conference on Information and Telecommunication Technologies and Radio Electronics, UkrMiCo 2017 - Proceedings [Internet]; 20172017Available from: www.scopus.com DOI: 10.1109/UkrMiCo.2017.8095429		Kirichenko, Lyudmyla; Radivilova, Tamara; Analyzes of the Distributed System Load with Multifractal Input Data Flows; 2017 14TH INTERNATIONAL CONFERENCE: THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM); 2017
			11. Kirichenko L, Radivilova T, Zinkevich I. Forecasting weakly correlated time series in tasks of electronic commerce. In: Proceedings of the 12th International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2017 [Internet]; 20172017. p. 309-12. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2017.8098793		Ivanisenko, Igor; Radivilova, Tamara; The Multifractal Load Balancing Method; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
			12. Vitalii B, Kirichenko L, Radivilova T. Classification of multifractal time series by decision tree methods. In: CEUR Workshop Proceedings [Internet]; 20182018. p. 457-60. Available from: www.scopus.com		Hahanov, Vladimir; Kamenuka, Eugeny; Kteiman, Hassan; Ghribi, Wade; Radivilova, Tamara; High-speed method of hardware simulation; 2007 PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2007 10.1109/CADSM.2007.4297530
			13. Kirichenko L, Radivilova T, Zinkevich I. Comparative analysis of conversion series forecasting in e-commerce tasks; 2018. 230 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-70581-1_16		
			14. Daradkeh YI, Kirichenko L, Radivilova T. Development of QoS methods in the information networks with fractal traffic. Int J Electron Telecommun [Internet]. 2018;64(1):27-32. Available from:		

				www.scopus.com		
				15. Lyudmyla K, Vitalii B, Tamara R. Fractal time series analysis of social network activities. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 2018. p. 456-9. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246438		
				16. Ageyev D, Bondarenko O, Alfroukh W, Radivilova T. Provision security in SDN/NFV. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018. p. 506-9. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336252		
				17. Ageyev D, Kirichenko L, Radivilova T, Tawalbeh M, Baranovskyi O. Method of self-similar load balancing in network intrusion detection system. In: 2018 28th International Conference Radioelektronika, RADIOELEKTRONIKA 2018 [Internet]; 2018. p. 1-4. Available from: www.scopus.com DOI: 10.1109/RADIOELEK.2018.8376406		
				18. Ageyev D, Bondarenko O, Radivilova T, Alfroukh W. Classification of existing virtualization methods used in telecommunication networks. In: Proceedings of 2018 IEEE 9th International Conference on Dependable Systems, Services and Technologies, DESSERT 2018 [Internet]; 2018. p. 83-6. Available from: www.scopus.com DOI:		

				10.1109/DESSERT.2018.8409104		
				19. Radivilova T, Kirichenko L, Ageyev D, Tawalbeh M, Bulakh V. Decrypting SSL/TLS traffic for hidden threats detection. In: Proceedings of 2018 IEEE 9th International Conference on Dependable Systems, Services and Technologies, DESSERT 2018 [Internet]; 20182018. p. 143-6. Available from: www.scopus.com DOI: 10.1109/DESSERT.2018.8409116		
				20. Bulakh V, Kirichenko L, Radivilova T. Time Series Classification Based on Fractal Properties. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 198-201. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478532		
ITM	ІНФ	ГОРОХОВАТСЬКИЙ ВОЛОДИМИР ОЛЕКСІЙОВИЧ	19	1. Gorokhovatskii VA, Katsalap SF, Putyatin EP. IMAGE ANALYSIS UNDER CONDITIONS OF LOCAL DISTORTION. Optoelectron Instrum Data Process [Internet]. 1986(6):47-52. Available from: www.scopus.com	6	Gorokhovatsky, V. A.; Putyatin, Y. P.; Stolyarov, V. S.; RESEARCH OF EFFECTIVENESS OF STRUCTURAL IMAGE CLASSIFICATION METHODS USING CLUSTER DATA MODEL; RADIO ELECTRONICS COMPUTER SCIENCE CONTROL; 2017 10.15588/1607-3274-2017-3-9
				2. Gorokhovatskii VA, Shlyakhov VV. Optimization of hierarchical correlation algorithms for analyzing images. Radioelectron Commun Syst [Internet]. 1988;31(1):24-8. Available from: www.scopus.com		Gorokhovatsky, V. A.; Gorokhovatskyi, A., V; Berestovskyi, A. E.; STRUCTURAL IDENTIFICATION OF IMAGE RECOGNITION BASED WITH MODELS OF INTELLECTUAL SELF-ORGANIZATION FEATURES; RADIO ELECTRONICS

					COMPUTER SCIENCE CONTROL; 2016 10.15588/1607-3274-2016-3-5
				3. Gorokhovatskij VA, Shlyakhov VV. Analysis of the hierarchical algorithms of image overlap on the background of spatial local noise. Izv VUZ Radioelektron [Internet]. 1991;34(1):75-8. Available from: www.scopus.com	Gorokhovatskyi, Volodymyr; Gorokhovatskyi, Oleksii; Yevgenyi, Putyatin; Olena, Peredrii; Quantization of the Space of Structural Image Features as a Way to Increase Recognition Performance; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
				4. Putyatin EP, Gorokhovatskij VA, Ishchenko SV. Algorithms for the detection of moving objects in images by using the ho transformation. Avtometriya [Internet]. 1993(6):88-93. Available from: www.scopus.com	Gorokhovatsky, V. A.; Berestovskyi, A. E.; Peredrii, E. O.; SYSTEMATIZATION OF SPACE OF STRUCTURAL FEATURES BASED ON SELF-LEARNING METHODS FOR EFFECTIVE IMAGE RECOGNITION; RADIO ELECTRONICS COMPUTER SCIENCE CONTROL; 2016 10.15588/1607-3274-2016-2-11
				5. Gorokhovatsky VA, Putyatin YP. Image likelihood measures on the basis of the set of conformities. Telecommun Radio Eng [Internet]. 2009;68(9):763-78. Available from: www.scopus.com	Gorokhovatskyi, Oleksii; Gorokhovatskyi, Volodymyr; Peredrii, Olena; Analysis of Application of Cluster Descriptions in Space of Characteristic Image Features; DATA; 2018 3 10.3390/data3040052
				6. Gorokhovatskiy VA. Compression of descriptions in the structural image recognition. Telecommun Radio Eng [Internet]. 2011;70(15):1363-71. Available from: www.scopus.com	Gadetska, S., V; Gorokhovatsky, V. A.; STRUCTURAL CLASSIFICATION IMAGES USING BAYESIAN DECISION MAKING; RADIO ELECTRONICS COMPUTER SCIENCE CONTROL; 2018 10.15588/1607-3274-2018-2-10

				7. Gorokhovatskiy VA, Poliakova TV. Geometrical invariant features peculiar for the methods of structural classification of images. Telecommun Radio Eng [Internet]. 2012;71(17):1557-64. Available from: www.scopus.com		
				8. Gorokhovatsky AV, Gorokhovatsky VA, Vlasenko AN, Vlasenko NV. Quality criteria for multidimensional object recognition based upon distance matrices. Telecommun Radio Eng [Internet]. 2014;73(18):1661-70. Available from: www.scopus.com		
				9. Gorokhovatskiy VA, Berestovskiy AY, Putyatin YP. Self-learning methods in the space of image structural sign criterions. Telecommun Radio Eng [Internet]. 2015;74(18):1671-83. Available from: www.scopus.com		
				10. Gorokhovatsky VA, Kobylina OA, Kulikov YA. Application of granulation of feature descriptions in structural image recognition. Telecommun Radio Eng [Internet]. 2015;74(6):503-14. Available from: www.scopus.com		
				11. Gorokhovatsky VA. Efficient estimation of visual object relevance during recognition through their vector descriptions. Telecommun Radio Eng [Internet]. 2016;75(14):1271-83. Available from: www.scopus.com		
				12. Gorokhovatskiy VA, Zamula AA. Employment of intelligent technologies in multiparametric control systems. Telecommun Radio Eng [Internet]. 2016;75(19):1775-85. Available from: www.scopus.com		

				13. Gorokhovatsky VA, Gorokhovatsky AV, Berestovsky AY. Intellectual data processing and self-organization of structural features at recognition of visual objects. Telecommun Radio Eng [Internet]. 2016;75(2):155-68. Available from: www.scopus.com		
				14. Gorokhovatskiy VA, Vechirska ID, Chetverikov GG. Method for building of logical data transform in the problem of establishing links between the objects in intellectual telecommunication systems. Telecommun Radio Eng [Internet]. 2016;75(18):1645-55. Available from: www.scopus.com		
				15. Gorokhovatskiy VA, Gorokhovatskiy AV, Peredrii EO. Vector quantization, learning and recognition in the space of descriptors of structural features of images. Telecommun Radio Eng [Internet]. 2017;76(19):1749-60. Available from: www.scopus.com		
				16. Gorokhovatskiy VA. Image classification methods in the space of descriptions in the form of a set of the key point descriptors. Telecommun Radio Eng [Internet]. 2018;77(9):787-97. Available from: www.scopus.com		
				17. Gadetska SV, Gorokhovatsky VO. Statistical measures for computation of the image relevance of visual objects in the structural image classification methods. Telecommun Radio Eng [Internet]. 2018;77(12):1041-53. Available from: www.scopus.com		
				18. Gorokhovatskiy VA, Gorokhovatskiy AV, Peredrii YO. Hashing of structural descriptions at building of the class image descriptor, computing of relevance and classification of the visual objects. Telecommun Radio Eng [Internet]. 2018;77(13):1159-68. Available from:		

				www.scopus.com		
				19. Gorokhovatskyi V, Gorokhovatskyi O, Yevgenyi P, Olena P. Quantization of the Space of Structural Image Features as a Way to Increase Recognition Performance. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 2018:2018. p. 464-7. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478434		
ІРТЗІ	КРiСТ ЗІ	ОЛЕЙНИКОВ АНАТОЛІЙ МИКОЛАЙОВ ИЧ	19	1. Kashcheyev BL, Oleynikov AN. Dynamic regime of the mesopause-lower thermosphere at mid-latitudes of the northern hemisphere by radio meteor observations. J Atmos Terr Phys [Internet]. 1994;56(9):1197-207. Available from: www.scopus.com	16	Pancheva, D; Mitchell, NJ; Hagan, ME; Manson, AH; Meek, CE; Luo, Y; Jacobi, C; Kurschner, D; Clark, RR; Hocking, WK; MacDougall, J; Jones, GOL; Vincent, RA; Reid, IM; Singer, W; Igarashi, K; Fraser, GI; Nakamura, T; Tsuda, T; Portnyagin, Y; Merzlyakov, E; Fahrutdinova, AN; Stepanov, AM; Poole, LMG; Malinga, SB; Kashcheyev, BL; Oleynikov, AN; Riggин, DM; Global-scale tidal structure in the mesosphere and lower thermosphere during the PSMOS campaign of June-August 1999 and comparisons with the global-scale wave model; JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS; 2002 64 10.1016/S1364-6826(02)00054-8
				2. Kashcheyev B, Oleynikov V, Oleynikov A, Solyanik O, Karabanov A. Some results of the atmospheric wind profiler of kharkov university of radioelectronics. Meteorol Z [Internet]. 1998;7(6):332-5. Available from:		Pancheva, D; Merzlyakov, E; Mitchell, NJ; Portnyagin, Y; Manson, AH; Jacobi, C; Meek, CE; Luo, Y; Clark, RR; Hocking, WK; MacDougall, J; Muller, HG; Kurschner, D;

				www.scopus.com	Jones, GOL; Vincent, RA; Reid, IM; Singer, W; Igarashi, K; Fraser, GI; Fahrutdinova, AN; Stepanov, AM; Poole, LMG; Malinga, SB; Kashcheyev, BL; Oleynikov, AN; Global-scale tidal variability during the PSMOS campaign of June-August 1999: interaction with planetary waves; JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS; 2002 64 10.1016/S1364-6826(02)00199-2
				3. Kascheyev BL, Oleynikov AN, Oleynikov VN. Radar investigation of spatial structure of the quasi 2-day wind velocity oscillations in the region of mesopause and lower thermosphere. Telecommun Radio Eng [Internet]. 1999;53(7-8):24-9. Available from: www.scopus.com	Pancheva, D; Mitchell, NJ; Manson, AH; Meek, CE; Jacobi, C; Portnyagin, Y; Merzlyakov, E; Hocking, WK; MacDougall, J; Singer, W; Igarashi, K; Clark, RR; Riggan, DM; Franke, SJ; Kurschner, D; Fahrutdinova, AN; Stepanov, AM; Kashcheyev, BL; Oleynikov, AN; Muller, HG; Variability of the quasi-2-day wave observed in the MLT region during the PSMOS campaign of June-August 1999; JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS; 2004 66 10.1016/j.jastp.2004.01.008
				4. Jacobi C, Portnyagin YI, Solovjova TV, Hoffmann P, Singer W, Kashcheyev BL, Oleynikov AN, Fahrutdinova AN, Solntsev RN, Beard AG, Mitchell NJ, Muller HG, Schminder R, Kürschner D. Mesopause region semidiurnal tide over Europe as seen from ground-based wind measurements. Adv Space Res [Internet]. 1999;24(11):1545-8. Available from: www.scopus.com	Jacobi, C; Portnyagin, YI; Merzlyakov, EG; Kashcheyev, BL; Oleynikov, AN; Kurschner, D; Mitchell, NJ; Middleton, HR; Muller, HG; Comley, VE; Mesosphere/lower thermosphere wind measurements over Europe in summer 1998; JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS; 2001 63 10.1016/S1364-6826(01)00012-8

			<p>5. Semenov AI, Shefov NN, Givishvilli GV, Leshchenko LN, Lysenko EV, Rusina VY, Fishkova LM, Martsvaladze NM, Toroshelidze TI, Kashcheev BL, Oleynikov AN. Seasonal peculiarities of long-term temperature trends of the middle atmosphere. Dokl Earth Sci [Internet]. 2000;375:1286-9. Available from: www.scopus.com</p>	<p>KASHCHEYEV, BL; OLEYNIKOV, AN; DYNAMIC REGIME OF THE MESOPAUSE - LOWER THERMOSPHERE AT MIDLATITUDES OF THE NORTHERN-HEMISPHERE BY RADIO METEOR OBSERVATIONS; JOURNAL OF ATMOSPHERIC AND TERRESTRIAL PHYSICS; 1994 56 10.1016/0021-9169(94)90057-4</p>
			<p>6. Jacobi C, Portnyagin YI, Merzlyakov EG, Kashcheyev BL, Oleynikov AN, Kürschner D, Mitchell NJ, Middleton HR, Muller HG, Comley VE. Mesosphere/lower thermosphere wind measurements over europe in summer 1998. J Atmos Sol -Terr Phys [Internet]. 2001;63(10):1017-31. Available from: www.scopus.com</p>	<p>Jacobi, C; Portnyagin, YI; Solovjova, TV; Hoffmann, P; Singer, W; Kashcheyev, BL; Oleynikov, AN; Fahrutdinova, AN; Solntsev, RN; Beard, AG; Mitchell, NJ; Muller, HG; Schminder, R; Kurschner, D; Mesopause region semidiurnal tide over Europe as seen from ground-based wind measurements; IONOSPHERIC/THERMOSPHERIC/MESOSPHERIC COUPLING; 1999 24 10.1016/S0273-1177(99)00878-9</p>
			<p>7. Pancheva D, Mitchell NJ, Hagan ME, Manson AH, Meek CE, Luo Y, Jacobi C, Kürschner D, Clark RR, Hocking WK, MacDougall J, Jones GOL, Vincent RA, Reid IM, Singer W, Igarashi K, Fraser GI, Nakamura T, Tsuda T, Portnyagin Y, Merzlyakov E, Fahrutdinova AN, Stepanov AM, Poole LMG, Malinga SB, Kashcheyev BL, Oleynikov AN, Rigglin DM. Global-scale tidal structure in the mesosphere and lower thermosphere during the PSMOS campaign of june-august 1999 and comparisons with the global-scale wave model. J Atmos Sol -Terr Phys [Internet]. 2002;64(8-11):1011-35. Available from: www.scopus.com</p>	<p>Oleynikov, AN; Jacobi, C; Sosnovchik, DM; Parameters of internal gravity waves in the mesosphere-lower thermosphere region derived from meteor radar wind measurements; ANNALES GEOPHYSICAE; 2005 23 10.5194/angeo-23-3431-2005</p>

			<p>8. Pancheva D, Merzlyakov E, Mitchell NJ, Portnyagin Y, Manson AH, Jacobi C, Meek CE, Luo Y, Clark RR, Hocking WK, MacDougall J, Muller HG, Kürschner D, Jones GOL, Vincent RA, Reid IM, Singer W, Igarashi K, Fraser GI, Fahrutdinova AN, Stepanov AM, Poole LMG, Malinga SB, Kashcheyev BL, Oleynikov AN. Global-scale tidal variability during the PSMOS campaign of june-august 1999: Interaction with planetary waves. J Atmos Sol -Terr Phys [Internet]. 2002;64(17):1865-96. Available from: www.scopus.com</p>	<p>Oleynikov, A. N.; Sosnovchik, D. M.; Kukush, V. D.; Jacobi, Ch.; Froehlich, K.; Seasonal variation of space-time parameters of internal gravity waves at Kharkiv (49 degrees 30 ' N, 36 degrees 51 ' E); JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS; 2007 69 10.1016/j.jastp.2007.07.009</p>
			<p>9. Pancheva D, Mitchell NJ, Manson AH, Meek CE, Jacobi C, Portnyagin Y, Merzlyakov E, Hocking WK, MacDougall J, Singer W, Igarashi K, Clark RR, Riggan DM, Franke SJ, Kürschner D, Fahrutdinova AN, Stepanov AM, Kashcheyev BL, Oleynikov AN, Muller HG. Variability of the quasi-2-day wave observed in the MLT region during the PSMOS campaign of june-august 1999. J Atmos Sol -Terr Phys [Internet]. 2004;66(6-9):539-65. Available from: www.scopus.com</p>	<p>Merzlyakov, EG; Portnyagin, YI; Jacobi, C; Fedulina, I; Mitchell, NJ; Kashcheyev, BL; Oleynikov, AN; Manson, AH; On the day-to-day wind and semidiurnal tide variations at heights of the mid-latitude summer mesopause: Zonal wavenumber estimations and its consequences, case-study in 1998; JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS; 2005 67 10.1016/j.jastp.2004.12.005</p>
			<p>10. Merzlyakov EG, Portnyagin YI, Jacobi C, Fedulina I, Mitchell NJ, Kashcheyev BL, Oleynikov AN, Manson AH. On the day-to-day wind and semidiurnal tide variations at heights of the mid-latitude summer mesopause: Zonal wavenumber estimations and its consequences, case-study in 1998. J Atmos Sol -Terr Phys [Internet]. 2005;67(6):535-51. Available from: www.scopus.com</p>	<p>Semenov, AI; Shefov, NN; Givishvilli, GV; Leshchenko, LN; Lysenko, EV; Rusina, VY; Fishkova, LM; Martsvaladze, NM; Toroshelidze, TI; Kashcheev, BL; Oleynikov, AN; Seasonal peculiarities of long-term temperature trends of the middle atmosphere; DOKLADY EARTH SCIENCES; 2000 375</p>

			11. Oleynikov AN, Jacobi C, Sosnovchik DM. Parameters of internal gravity waves in the mesosphere-lower thermosphere region derived from meteor radar wind measurements. Ann Geophys [Internet]. 2005;23(11):3431-7. Available from: www.scopus.com	Oleynikov, A. N.; Sosnovchik, D. M.; Research of amplitude - Time characteristic of television signal reflected from a meteoric trail in spaced radar system; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006
			12. Oleynikov AN, Sosnovchik DM. Research of amplitude - Time characteristic of television signal reflected from a meteoric trail in spaced radar system. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 2006. p. 291-3. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404527	KALCHENKO, BV; KASHCHEYEV, BL; OLEYNIKOV, AN; RADIOMETEOR STUDIES OF THE VERTICAL STRUCTURE OF INTERNAL GRAVITY-WAVES AND IRREGULAR MOTIONS; IZVESTIYA AKADEMII NAUK SSSR FIZIKA ATMOSFERY I OKEANA; 1985 21
			13. Oleynikov AN, Sosnovchik DM. Measurement of the mesopause dynamic parameters of lower thermosphere using accessible radio frequency resources. In: 2006 16th International Crimean Microwave and Telecommunication Technology, CriMiCo [Internet]; 2006. p. 969-70. Available from: www.scopus.com DOI: 10.1109/CRMICO.2006.256280	Oleynikov, A. N.; Sosnovchik, D. M.; Measurement of the mesopause dynamic parameters of lower thermosphere using accessible radio frequency resources; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006
			14. Oleynikov AN, Sosnovchik DM, Kukush VD, Jacobi C, Fröhlich K. Seasonal variation of space-time parameters of internal gravity waves at kharkiv (49°30'N, 36°51'E). J Atmos Sol -Terr Phys [Internet]. 2007;69(17-18):2257-64. Available from: www.scopus.com	Kashcheyev, B; Oleynikov, V; Oleynikov, A; Solyanik, O; Karabanov, A; Some results of the atmospheric wind profiler of Kharkov University of Radioelectronics; METEOROLOGISCHE ZEITSCHRIFT; 1998 7

			15. Lykov YV, Oleynikov AN. PROCEDURE OF CHOICE OF AN EXTRANEIOUS SOURCE OF RADIO EMISSION, FOR THE DIVERSED RADAR SYSTEM OF METEORIC TRAILS. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 905-6. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676654	PAYEVSKAYA, EB; OLEYNIKOV, AN; MODEL OF EVOLUTIONARY DEVELOPMENT OF SYMMETRY IN METAZOA; SEDIMENTARY COVER OF THE EARTH IN SPACE AND TIME: STRATIGRAPHY AND PALEONTOLOGY; 1989
			16. Kukush VD, Oleynikov AN, Makovetskyi SA. Experimental investigations of the possible use of TV broadcast signals for determining the drift velocity of meteor trails. Radioelectron Commun Syst [Internet]. 2011;54(5):260-7. Available from: www.scopus.com	OLEYNIKOV, AN; NEUSTIUEVA, IY; ROMANOVSKAYA, GM; DEVELOPMENT OF THE TRIASSIC CONTINENTAL LAKE DEPOSITS IN THE USSR; SEDIMENTARY COVER OF THE EARTH IN SPACE AND TIME: STRATIGRAPHY AND PALEONTOLOGY; 1989
			17. Kukush V, Oleynikov A, Jacobi C. Wind measurements at 80-105 km altitude by television broadcasting signals reflected from meteor trails. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 1051-2. Available from: www.scopus.com	
			18. Oleynikov AM, Kukush VD, Starodubov RK. Evolution of methods for meteor phenomena investigations using digital TV broadcasting signals. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 364-5. Available from: www.scopus.com	

				19. Oleynikov AN, Borodavka AV. Main directions of improvement of acoustic reconnaissance equipment. Telecommun Radio Eng [Internet]. 2018;77(2):121-9. Available from: www.scopus.com		
ITM	ІНФ	ЛЯШЕНКО В"ЯЧЕСЛАВ ВІКТОРОВИЧ	18	1. Dadkhah M, Tarhini A, Lyashenko VV, Jazi MD. Hiring editorial member for receiving papers from authors. Mediterranean J Soc Sci [Internet]. 2015;6(4):11-2. Available from: www.scopus.com	3	Dadkhah, Mehdi; Maliszewski, Tomasz; Lyashenko, Vyacheslav V.; An approach for preventing the indexing of hijacked journal articles in scientific databases; BEHAVIOUR & INFORMATION TECHNOLOGY; 2016 35 10.1080/0144929X.2015.1128975
				2. Kuzomin O, Ahmad MA, Kots H, Lyashenko V, Tkachenko M. Preventing of technogenic risks in the functioning of an industrial enterprise. Int J Civ Eng Technol [Internet]. 2016;7(3):262-70. Available from: www.scopus.com		Lyashenko, Vyacheslav V.; Babker, Asaad Mohammed Ahmed Abdallah; Kobylin, Oleg A.; The methodology of wavelet analysis as a tool for cytology preparations image processing; CUKUROVA MEDICAL JOURNAL; 2016 41 10.17826/cukmedj.237468
				3. Dadkhah M, Maliszewski T, Lyashenko VV. An approach for preventing the indexing of hijacked journal articles in scientific databases. Behav Inf Technol [Internet]. 2016;35(4):298-303. Available from: www.scopus.com		Mousavi, Seyed Muhammad Hossein; Lyashenko, Vyacheslav; Extracting Old Persian Cuneiform Font Out of Noisy Images (Handwritten or Inscription); 2017 10TH IRANIAN CONFERENCE ON MACHINE VISION AND IMAGE PROCESSING (MVIP); 2017
				4. Sotnik S, Matarneh R, Lyashenko V. System model tooling for injection molding. Int J Mech Eng Technol [Internet]. 2017;8(9):378-90. Available from: www.scopus.com		
				5. Matarneh R, Maksymova S, Deineko Z, Lyashenko V. Building robot voice control training methodology using artificial neural net. Int J Civ Eng Technol [Internet]. 2017;8(10):523-32. Available from:		

				www.scopus.com		
				6. Lyashenko V, Ahmad MA, Kobylin O, Khan A. Study of composite materials for the engineering using wavelet analysis and image processing technology. Int J Mech Prod Eng Res Dev [Internet]. 2017;7(6):445-52. Available from: www.scopus.com		
				7. Matarneh R, Sotnik S, Deineko Z, Lyashenko V. Highlights methodology of time characteristics optimization for plastic products production. Int J Eng Technol [Internet]. 2018;7(1):165-73. Available from: www.scopus.com		
				8. Matarneh R, Sotnik S, Belova N, Lyashenko V. Automated modeling of shaft leading elements in the rear axle gear. Int J Eng Technol [Internet]. 2018;7(3):1468-73. Available from: www.scopus.com		
				9. Matarneh R, Sotnik S, Lyashenko V. Search of the molding form connector plane on the approximation basis by the many-sided surface with use of the convex sets theory. Int J Mech Prod Eng Res Dev [Internet]. 2018;8(1):977-88. Available from: www.scopus.com		
				10. Lyashenko V, Ahmad MA, Sotnik S, Deineko Z, Khan A. Defects of communication pipes from plastic in modern civil engineering. Int J Mech Prod Eng Res Dev [Internet]. 2018;8(1):253-62. Available from: www.scopus.com		
				11. Al-Sherrawi MH, Saadoon AM, Sotnik S, Lyashenko V. Information model of plastic products formation process duration by injection molding method. Int J Mech Eng Technol [Internet].		

				2018;9(3):357-66. Available from: www.scopus.com		
				12. Al-Sherrawi MH, Edaan IM, Al-Rumaithi A, Sotnik S, Lyashenko V. Features of plastics in modern construction use. Int J Civ Eng Technol [Internet]. 2018;9(4):975-84. Available from: www.scopus.com		
				13. Rabotiahov A, Kobylin O, Dudar Z, Lyashenko V. Bionic image segmentation of cytology samples method. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018. p. 665-70. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336289		
				14. Mousavi SMH, Lyashenko V. Extracting old Persian cuneiform font out of noisy images (handwritten or inscription). In: Iranian Conference on Machine Vision and Image Processing, MVIP [Internet]; 2018. p. 241-6. Available from: www.scopus.com DOI: 10.1109/IranianMVIP.2017.8342358		
				15. Al-Sherrawi MH, Lyashenko V, Edaan EM, Sotnik S. Corrosion as a source of destruction in construction. Int J Civ Eng Technol [Internet]. 2018;9(5):306-14. Available from: www.scopus.com		
				16. Matarneh R, Sotnik S, Lyashenko V. Polymers in cardiovascular surgery. Asian J Pharm Clin Res [Internet]. 2018;11(5):58-63. Available from: www.scopus.com		

				17. Al-Sherrawi MH, Lyashenko V, Edaan EM, Sotnik S. Corrosion of metal construction structures. Int J Civ Eng Technol [Internet]. 2018;9(6):437-46. Available from: www.scopus.com		
				18. Omarov M, Tikhaya T, Lyashenko V. Internet marketing technologies in civil engineering. Int J Civ Eng Technol [Internet]. 2018;9(7):1233-40. Available from: www.scopus.com		
ITM	ІНФ	МАШТАЛІР ВОЛОДИМИР ПЕТРОВИЧ	18	1. Zhitomirskii MY, Liskin VM, Maistrenko AA, Mashtalir VP, Putyatin EP. METHOD FOR CONSTRUCTING FUNCTIONALS MATCHED WITH GEOMETRIC IMAGE CONVERSIONS. Optoelectron Instrum Data Process [Internet]. 1987(2):60-8. Available from: www.scopus.com	8	Kinoshenko, D; Mashtalir, V; Yegorova, E; Vinarsky, V; Hierarchical partitions for content image retrieval from large-scale database; MACHINE LEARNING AND DATA MINING IN PATTERN RECOGNITION, PROCEEDINGS; 2005 3587
				2. Zhitomirskii MY, Liskin VM, Maistrenko AA, Mashtalir VP, Putyatin EP. Extrapolation algorithms in processing of image sequences. Optoelectron Instrum Data Process [Internet]. 1989(6):21-7. Available from: www.scopus.com		Mashtalir, Sergii; Mashtalir, Volodymyr; Sequential Temporal Video Segmentation via Spatial Image Partitions; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
				3. Mashtalir VP, Yakovlev SV. Point-set methods of clusterization of standard information. Cybern Syst Anal [Internet]. 2001;37(3):295-307. Available from: www.scopus.com		Kinoshenko, D; Mashtalir, V; Orlov, A; Yegorova, E; Method of creating of functional invariants under one-parameter geometric image transformations; PATTERN RECOGNITION, PROCEEDINGS; 2003 2781
				4. Mashtalir VP, Yakovlev SV. Point-set methods of clustering the template information. Kiber i Sist Anal [Internet]. 2001(3):3-18. Available from: www.scopus.com		Mashtalir, Sergii; Mashtalir, Volodymyr; Stolbovyi, Mykhailo; Representative Based Clustering of Long Multivariate Sequences with Different Lengths; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018

			5. Mashtalir VP, Shlyakhov VV. Features of multialgebraic systems in comparative recognition problems. Kiber i Sist Anal [Internet]. 2003(6):12-32. Available from: www.scopus.com		Kinoshenko, Dmitry; Mashtalir, Vladimir; Shlyakhov, Vladislav; Yegorova, Elena; Nested Partitions Properties for Spatial Content Image Retrieval; MULTIMEDIA STORAGE AND RETRIEVAL INNOVATIONS FOR DIGITAL LIBRARY SYSTEMS; 2012 10.4018/978-1-4666-0900-6.ch013
			6. Mashtalir VP, Shlyakhov VV. Properties of multialgebraic systems in problems of comparative recognition. Cybern Syst Anal [Internet]. 2003;39(6):790-804. Available from: www.scopus.com		Kinoshenko, D.; Mashtalir, V.; Yegorova, E.; Block-Diagonal Form of Distance Matrix for Region-Based Image Retrieval; 19TH INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION, VOLS 1-6; 2008
			7. Kinoshenko D, Mashtalir V, Orlov A, Yegorova E. Method of creating of functional invariants under one-parameter geometric image transformations; 2003. 68 p. Available from: www.scopus.com		Chupikov, Andrew; Kinoshenko, Dmitry; Mashtalir, Vladimir; Shcherbinin, Konstantin; Image retrieval with segmentation-based query; ADAPTIVE MULTIMEDIA RETRIEVAL: USER, CONTEXT, AND FEEDBACK; 2007 4398
			8. Kinoshenko D, Mashtalir V, Yegorova E, Vinarsky V. Hierarchical partitions for content image retrieval from large-scale database; 2005. 445 p. Available from: www.scopus.com		Bobrowski, Leon; Mashtalir, Volodymir; Topczewska, Magdalena; Pattern Discovery Through Separable Data Projections; COMPUTER RECOGNITION SYSTEMS 2; 2007 45
			9. Mashtalir V, Mikhnova E, Shlyakhov V, Yegorova E. A novel metric on partitions for image segmentation. In: Proceedings - IEEE International Conference on Video and Signal Based Surveillance 2006, AVSS 2006 [Internet]; 20062006 Available from: www.scopus.com DOI: 10.1109/AVSS.2006.8		

				10. Chupikov A, Kinoshenko D, Mashtalir V, Shcherbinin K. Image retrieval with segmentation-based query; 2007. 207 p. Available from: www.scopus.com		
				11. Bobrowski L, Mashtalir V, Topczewska M. Pattern discovery through separable data projections; 2007. 348 p. Available from: www.scopus.com DOI: 10.1007/978-3-540-75175-5_44		
				12. Kinoshenko D, Mashtalir V, Yegorova E. Block-diagonal form of distance matrix for region-based image retrieval. In: Proceedings - International Conference on Pattern Recognition [Internet]; 2008. Available from: www.scopus.com		
				13. Kinoshenko D, Mashtalir V, Shlyakhov V, Yegorova E. Metrical properties of nested partitions for image retrieval In: Machine Learning Techniques for Adaptive Multimedia Retrieval: Technologies, Applications, and Perspectives. [Internet]. ; 2010 p. 18-49. Available from: www.scopus.com DOI: 10.4018/978-1-61692-859-9.ch001		
				14. Mantula E, Mashtalir V. An adaptive forecasting of nonlinear nonstationary time series under short learning samples. In: CEUR Workshop Proceedings [Internet]; 2013. p. 91-8. Available from: www.scopus.com		
				15. Mashtalir VP, Shlyakhov VV, Yakovlev SV. Group structures on quotient sets in classification problems. Cybern Syst Anal [Internet]. 2014;50(4):507-18. Available from: www.scopus.com		

				16. Bogucharskiy S, Mashtalir V. Image segmentation via X-means under overlapping classes. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 20152015. p. 45-7. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325427		
				17. Mashtalir S, Mashtalir V. Sequential temporal video segmentation via spatial image partitions. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 20162016. p. 239-42. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583549		
				18. Mashtalir S, Mashtalir V, Stolbovyi M. Representative Based Clustering of Long Multivariate Sequences with Different Lengths. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 545-8. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478493		
ІПТЗІ	КРiСТ ЗІ	ГАВВА ДМИТРО СЕРГІЙОВИЧ	18	1. Luchaninov AI, Omarov MA, Gavva DC. Basic and weight functions of the problem of nonlinear surface impedance antenna analysis by the moment method. Telecommun Radio Eng [Internet]. 2002;58(9-10):57-63. Available from: www.scopus.com	4	Shokalo, V. M.; Luchaninov, A. I.; Gavva, D. S.; Gretskih, D. V.; Lihograj, V. G.; Strelnytskyi, A. E.; Babanskaya, E. V.; Krikun, E. V.; New research results of nonlinear effects and spectral efficiency in the radio channels of the modern communication systems; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006

			2. Gavva DS. Characteristics of arbitrarily configured thin wire antennas with a nonlinear surface impedance. In: 4th International Conference on Antenna Theory and Techniques, ICATT 2003 [Internet]; 20032003. p. 852-5. Available from: www.scopus.com DOI: 10.1109/ICATT.2003.1238887		Shifrin, YS; Luchaninov, AI; Gavva, DS; Zhurbenko, VV; Excitation of wire structures with nonlinear characteristics of the surface impedance; 5th International Conference on Antenna Theory and Techniques, Proceedings; 2005 10.1109/ICATT.2005.1496909
			3. Gavva D, Greckih D, Luchaninov A, Shokalo V, Zhurbenko V. Strip and wire structures with distributed nonlinear properties. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 1. Available from: www.scopus.com		Gavva, D; Greckih, D; Luchaninov, A; Shokalo, V; Zhurbenko, V; Strip and wire structures with distributed nonlinear properties; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2004
			4. Shifrin YS, Luchaninov AI, Gavva DS, Zhurbenko VV. Excitation of wire structures with nonlinear characteristics of the surface impedance. In: 5th International Conference on Antenna Theory and Techniques, 2005 [Internet]; 20052005. p. 156-9. Available from: www.scopus.com DOI: 10.1109/ICATT.2005.1496909		Gavva, DS; Characteristics of arbitrarily configured thin wire antennas with a nonlinear surface impedance; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003
			5. Luchaninov AI, Gavva DS. Non-linear effects in wire antennas with non-linear surface impedance. Telecommun Radio Eng [Internet]. 2006;65(14):1257-65. Available from: www.scopus.com		
			6. Shokalo VM, Luchaninov AI, Gawa DS, Gretskih DV, Lihograj VG, Strelnytskyi AE, Sukhomlinov DV, Strelnytskyi AA, Babanskaya EV, Krikun EV. New research results of nonlinear effects and spectral efficiency in the radio channels of the modern communication systems. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference,		

				TCSET 2006 [Internet]; 20062006. p. 510-1. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404610		
				7. Luchaninov AI, Gavva DS, Krikyn EV. Convergence condition for non-linear electrodynamic devices. Radioelectron Commun Syst [Internet]. 2011;54(2):104-13. Available from: www.scopus.com		
				8. Luchaninov AI, Krykun EV, Gavva DS. Modeling of nonlinear effects in HTS resonator. In: 8th International Conference on Antenna Theory and Techniques, ICATT'11 [Internet]; 20112011. p. 250-3. Available from: www.scopus.com DOI: 10.1109/ICATT.2011.6170752		
				9. Luchaninov AI, Gavva DS, Krykun EV, Vishniakova JV. Modeling of nonlinear effects in HTSC filters. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 176-7. Available from: www.scopus.com		
				10. Luchaninov AI, Krikun EV, Gavva DS. Simulation of nonlinear effects of high temperature superconducting resonators and filters. Telecommun Radio Eng [Internet]. 2013;72(9):829-40. Available from: www.scopus.com		
				11. Luchaninov AI, Gavva DS, Wide SR. Oscillators with a nonuniform distribution of surface impedance nonlinearity. Telecommun Radio Eng [Internet]. 2015;74(6):469-94. Available from: www.scopus.com		

				12. Gavva DS, Medvedev EA. The influence of rf switches upon the properties of reconfigurable antennas. part 1: Single-frequency excitation. Telecommun Radio Eng [Internet]. 2017;76(11):963-81. Available from: www.scopus.com		
				13. Gavva DS, Medvedev EA. The influence of non-linear characteristics of the RF switches upon the pattern of the reconfigurable antenna. Telecommun Radio Eng [Internet]. 2017;76(17):1509-21. Available from: www.scopus.com		
				14. Gavva DS, Medvedev EA. The influence of RF switches upon the properties of reconfigurable antennas. part 2: Multi-frequency excitation. Telecommun Radio Eng [Internet]. 2017;76(12):1057-67. Available from: www.scopus.com		
				15. Gavva DS, Medvedev E, Ivanova O, Sharapova EV. Non-linear effects in configurable antenna. Radioelectron Commun Syst [Internet]. 2018;61(3):94-109. Available from: www.scopus.com		
				16. Alieksieiev V, Strelnitskiy A, Gavva D, Gorelov D, Synytsia Y. Studying of keystroke dynamics statistical properties for biometric user authentication. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018. p. 559-63. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336264		
				17. Strelnitskiy AA, Gavva DS, Alieksieiev VO, Obod II, Zavolodko GE. Improvement of information protection quality of systems for observing airspace. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer		

				Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 524-8. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336256		
				18. Gavva DS, Strelitskiy AA, Gretsikh DV, Gorelov DY, Medvedev EA. Impact of non-linear switch characteristics on the reconfigured antenna properties. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 591-6. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336272		
ІРТЗІ	КРiСТ ЗІ	ГРЕЦЬКИХ ДМИТРО ВЯЧЕСЛАВОВ ИЧ	18	1. Shokalo VM, Rybalko AM, Luchaninov YA, Konovaltsev AA, Gretsikh DV. Rectennas alternative design for efficient systems of wireless power transmission. In: CriMiCo 2002 - 12th International Conference "Microwave and Telecommunication Technology", Conference Proceedings [Internet]; 20022002. p. 286-7. Available from: www.scopus.com DOI: 10.1109/CRMICO.2002.1137239	7	Gomozov, A. V.; Gretsikh, D. V.; Katrich, V. A.; Nesterenko, M. V.; Functional Neutralization of Small-size UAVs by Focused Electromagnetic Radiation; 2017 XXIIND INTERNATIONAL SEMINAR/WORKSHOP ON DIRECT AND INVERSE PROBLEMS OF ELECTROMAGNETIC AND ACOUSTIC WAVE THEORY (DIPED); 2017
				2. Omarov MA, Gretsikh DV, Sukhomlinov DV. Investigation into receiving-rectifying elements of EHF rectennas. In: 4th International Conference on Antenna Theory and Techniques, ICATT 2003 [Internet]; 20032003. p. 842-5. Available from: www.scopus.com DOI: 10.1109/ICATT.2003.1238885		Gretsikh, D. V.; Gomozov, A. V.; Luchaninov, A. I.; Nesterenko, M. V.; Mathematical Model of Large Aperture Rectenna Lattice; 2016 XXIST INTERNATIONAL SEMINAR/WORKSHOP ON DIRECT AND INVERSE PROBLEMS OF ELECTROMAGNETIC AND ACOUSTIC WAVE THEORY (DIPED); 2016
				3. Shokalo VM, Gretsikh DV, Rybalko AM. Efficiency of wireless power transmission system with non-axial arrangement of transmitting and receiving apertures. In: 4th International Conference on Antenna Theory and		Gretsikh, D. V.; Gomozov, A. V.; Tsikalovskiy, N. M.; Sharapova, E. V.; WIRELESS RADIO POWER SUPPLY SYSTEM FOR PILOTLESS AIRCRAFTS;

			Techniques, ICATT 2003 [Internet]; 20032003. p. 846-51. Available from: www.scopus.com DOI: 10.1109/ICATT.2003.1238886	2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
			4. Gavva D, Greckih D, Luchaninov A, Shokalo V, Zhurbenko V. Strip and wire structures with distributed nonlinear properties. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 1. Available from: www.scopus.com	Shokalo, V. M.; Luchaninov, A. I.; Gavva, D. S.; Gretskih, D. V.; Lihograj, V. G.; Strelnytskyi, A. E.; Babanskaya, E. V.; Krikun, E. V.; New research results of nonlinear effects and spectral efficiency in the radio channels of the modern communication systems; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006
			5. Shokalo VM, Gretskikh DV. A model of receiving-rectifying elements of MM wave band rectennas. In: 5th International Conference on Antenna Theory and Techniques, 2005 [Internet]; 20052005. p. 248-50. Available from: www.scopus.com DOI: 10.1109/ICATT.2005.1496939	Omarov, MA; Gretskih, DV; Sukhomlinov, DV; Investigation into receiving-rectifying elements of rectennas; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003
			6. Shokalo VM, Luchaninov AI, Gawa DS, Gretskih DV, Lihograj VG, Strelnytskyi AE, Sukhomlinov DV, Strelnytskyi AA, Babanskaya EV, Krikun EV. New research results of nonlinear effects and spectral efficiency in the radio channels of the modern communication systems. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 510-1. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404610	Shokalo, VM; Gretskih, DV; Rybalko, AM; Efficiency of wireless power transmission system with non-axial arrangement of transmitting and receiving apertures; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003

			7. Shokalo VM, Rybalko AM, Konovaltsev AA, Omarov MA, Gretskih DB. Performance of microwave wireless power transmission systems with non-optimal interception efficiency. Telecommun Radio Eng [Internet]. 2007;66(18):1667-75. Available from: www.scopus.com		Shokalo, VM; Rybalko, AM; Luchaninov, YA; Konovaltsev, AA; Gretskih, DV; Rectennas alternative design for efficient systems of wireless power transmission; 12TH INTERNATIONAL CONFERENCE - MICROWAVE & TELECOMMUNICATION TECHNOLOGY, CONFERENCE PROCEEDINGS; 2002 10.1109/CRMICO.2002.1137239
			8. Gretskih DV, Gomozov AV, Shokalo VM, Al-Sammarraie SFA. Antenna-rectifier for power supply subsystem of low-small spacecraft. In: 8th International Conference on Antenna Theory and Techniques, ICATT'11 [Internet]; 2011;2011. p. 315-7. Available from: www.scopus.com DOI: 10.1109/ICATT.2011.6170769		
			9. Gomozov AV, Shokalo VM, Gretskih DV, Al-Sammarraie SFA, Lukavenko OS. Principles of construction and application of modern microwave wireless energy transmission systems. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 2012;2012. p. 27-9. Available from: www.scopus.com		
			10. Al-Sammarai SAF, Gomozov AV, Gretskih DV, Shokalo VM. Statistical analysis and influence estimation of electrical and structural parameters of transmitting subsystem of wireless power transmission to remote objects based on multi-position system of emitters with radiation focusing. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology,		

				Conference Proceedings [Internet]; 20122012. p. 921-2. Available from: www.scopus.com		
				11. Gretskih DV, Gomozov AV, Al-Sammarraie SFA, Storojev AA. Researches of receiving-rectifying element of the rectennas for wireless power transmission systems to remote objects. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 20132013. p. 552-4. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650844		
				12. Gretskih DV, Gomozov AV, Tsikalovskiy NM, Sharapova EV. Wireless radio power supply system for pilotless aircrafts. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136829		
				13. Luchaninov AI, Gretskih DV, Medvedev EA, Chemerovskiy AS. Mutual influence of carbon nanotubes. Telecommun Radio Eng [Internet]. 2015;74(15):1327-41. Available from: www.scopus.com		
				14. Gretskih DV, Gomozov AV, Luchaninov AI, Nesterenko MV. Mathematical model of large aperture rectenna lattice. In: Proceedings of International Seminar/Workshop on Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory, DIPED [Internet]; 20162016. p. 92-4. Available from: www.scopus.com DOI: 10.1109/DIPED.2016.7772223		

			15. Gretskih DV, Gomozov AV, Katrich VA, Luchaninov AI, Nesterenko MV, Penkin YM. Mathematical model of large rectenna arrays for wireless energy transfer. Prog Electromagn Res B [Internet]. 2017;74(1):77-91. Available from: www.scopus.com		
			16. Gomozov AV, Gretskih DV, Katrich VA, Nesterenko MV. Functional neutralization of small-size UAVs by focused electromagnetic radiation. In: 2017 22nd International Seminar/Workshop on Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory, DIPED 2017 - Proceedings [Internet]; 2017. p. 187-9. Available from: www.scopus.com DOI: 10.1109/DIPED.2017.8100595		
			17. Gavva DS, Strel'nitskiy AA, Gretskih DV, Gorelov DY, Medvedev EA. Impact of non-linear switch characteristics on the reconfigured antenna properties. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018. p. 591-6. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336272		
			18. Gretskih DV, Luchaninov AI, Vishniakova JV, Katrich VA, Nesterenko MV. Electrodynamic Model of a Wireless Power Transmission System. In: Proceedings of International Seminar/Workshop on Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory, DIPED [Internet]; 2018. p. 80-5. Available from: www.scopus.com DOI: 10.1109/DIPED.2018.8543290		

АКТ	МЕЕП П	ПАЩЕНКО ОЛЕКСІЙ ГЕОРГІЙОВИ Ч	18	1. Pashchenko AG. Effect of generation and recombination of excitons on static characteristics of injection lasers. Telecommun Radio Eng [Internet]. 1997;51(8):85-7. Available from: www.scopus.com	1	Babychenko, O. Yu.; Pashchenko, A. G.; States Density Distribution for Determination of a-Si:H Photoconductivity; JOURNAL OF NANO- AND ELECTRONIC PHYSICS; 2017 9 10.21272/jnep.9(5).05044
				2. Pashchenko AG. Particle and quasiparticle states in multilayer asymmetric size-quantized structures. Telecommun Radio Eng [Internet]. 1998;52(10):97-100. Available from: www.scopus.com		
				3. Pashchenko AG, Vantsan VM. Study of wannier-mott exciton stationary energy states in semiconductor injection lasers based on size-quantized structures. Telecommun Radio Eng [Internet]. 1998;52(2):53-6. Available from: www.scopus.com		
				4. Pashchenko AG. Energy states of particles and quasi-particles in active region of InGaSa/InP injection semiconductor quantum-well laser. Telecommun Radio Eng [Internet]. 2001;55(4):75-7. Available from: www.scopus.com		
				5. Pashchenko AG. Quantum confinements of particles in nanostructure with a complex form energy profile. Telecommun Radio Eng [Internet]. 2009;68(7):621-6. Available from: www.scopus.com		
				6. Pashchenko AG. Particles delocalization in nanostructures with complex energy profile under the action of external perturbation. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 665-6. Available from: www.scopus.com		

			7. Pashchenko AG. Absorption of visible and infrared radiation in nanostructures with energy profile of irregular shape. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2010. p. 813-4. Available from: www.scopus.com		
			8. Pashchenko AG, Vantsan VM. Exciton effects in multilayer super lattice. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2011. p. 763-4. Available from: www.scopus.com		
			9. Pashchenko AG, Vantsan VM. Carriers localisation in the multilayer nanostructures stipulated by interference redislocation of wave functions. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2012. p. 727-8. Available from: www.scopus.com		
			10. Pashchenko AG, Vantsans VM. Carriers localization in the multilayered nanostructures stipulated by interference redislocation of wave functions. Telecommun Radio Eng [Internet]. 2012;71(17):1599-604. Available from: www.scopus.com		
			11. Pashchenko AG, Sologub OY. Definition of electronic states densities functions in amorphous silicon. Telecommun Radio Eng [Internet]. 2014;73(5):447-55. Available from: www.scopus.com		

				12. Ibadullin MM, Pashchenko AG. Influence of structural and electrophysical parameters of resonant tunneling diode active region on its current-voltage characteristics. Telecommun Radio Eng [Internet]. 2016;75(15):1377-84. Available from: www.scopus.com		
				13. Nikolaenko VA, Pashchenko AG. Detectors of infrared radiation at the surface electrons for registration and visualization. Telecommun Radio Eng [Internet]. 2016;75(6):549-62. Available from: www.scopus.com		
				14. Babychenko OY, Pashchenko AG. States density distribution for determination of a-si:H photoconductivity. J Nano Electron Phys [Internet]. 2017;9(5) Available from: www.scopus.com		
				15. Slabyi KG, Pashchenko AG. Flash memory on the basis of quantum points. Telecommun Radio Eng [Internet]. 2017;76(1):49-59. Available from: www.scopus.com		
				16. Babychenko OY, Pashchenko AG. Kinetics of photoconductivity of c-si with amorphous inhomogeneities. Telecommun Radio Eng [Internet]. 2018;77(2):161-71. Available from: www.scopus.com		
				17. Nikolaenko VA, Pashchenko AG, Bessmolny YY. Infrared receiver on electron transitions into the autolocalized state over the helium film on the structured substrate. Telecommun Radio Eng [Internet]. 2018;77(1):47-60. Available from: www.scopus.com		
				18. Gritsunov A, Bondarenko I, Pashchenko A, Babychenko O. Theory of natural oscillatory systems and advance in nanoelectronics. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering,		

				TCSET 2018 - Proceedings [Internet]; 20182018. p. 410-5. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336230		
ЕЛБИ	БМІ	ЖОЛУДОВ ЮРІЙ ТИМОФІЙОВ ИЧ	17	1. Zholudov YT, Rozhitskii NN. Nonradiative energy transfer in 2D ordered organic structures. In: Proceedings of LFNM 2004 - 6th International Conference on Laser and Fiber-Optical Networks Modeling [Internet]; 20042004. p. 137-9. Available from: www.scopus.com	18	Kitte, Shimeles Addisu; Gao, Wenyue; Zholudov, Yuriy T.; Qi, Liming; Nsabimana, Anacllet; Liu, Zhongyuan; Xu, Guobao; Stainless Steel Electrode for Sensitive Luminol Electrochemiluminescent Detection of H ₂ O ₂ , Glucose, and Glucose Oxidase Activity; ANALYTICAL CHEMISTRY; 2017 89 10.1021/acs.analchem.7b01939
				2. Zholudov YT, Rozhitskii MM. Mass transport calculation for planar electrolyte-free optochemotronic sensor. In: Proceedings of LFNM 2005: 7th International Conference on Laser and Fiber-Optical Networks Modeling [Internet]; 20052005. p. 301-4. Available from: www.scopus.com DOI: 10.1109/LFNM.2005.1553252		Zholudov, Y.; Snizhko, D.; Kukoba, A.; Bilash, H.; Rozhitskii, M.; Aqueous electrochemiluminescence of polycyclic aromatic hydrocarbons immobilized into Langmuir-Blodgett film at the electrode; ELECTROCHIMICA ACTA; 2008 54 10.1016/j.electacta.2008.07.069
				3. Bykh AI, Zholudov YT, Rozhytsky NN. Particularities of mass transport in thin-layer sensor based on electrochemical luminescence (ECL) effect. Telecommun Radio Eng [Internet]. 2007;66(5):473-80. Available from: www.scopus.com		Zholudov, Yuriy; Bilash, Olena; Kukoba, Anatoliy; Rozhitskii, Mykola; Electrogenerated chemiluminescence in systems with tetraphenylborate anion as a co-reactant; ANALYST; 2011 136 10.1039/c0an00589d
				4. Zholudov YT, Rozhitskii MM. New trends in analytical applications of aqueous electrogenerated chemiluminescence. In: OPT 2007 - International Workshop Optoelectronic Physics and Technology [Internet]; 20072007. p. 29-30. Available from: www.scopus.com DOI: 10.1109/OPT.2007.4298541		Wang, Chao; Zholudov, Yuriy T.; Nsabimana, Anacllet; Xu, Guobao; Li, Jianping; Sensitive and selective electrochemical detection of artemisinin based on its reaction with p-aminophenylboronic acid; ANALYTICA CHIMICA ACTA; 2016 937 10.1016/j.aca.2016.07.026

			5. Zholudov Y, Snizhko D, Kukoba A, Bilash H, Rozhitskii M. Aqueous electrochemiluminescence of polycyclic aromatic hydrocarbons immobilized into langmuir-blodgett film at the electrode. <i>Electrochim Acta</i> [Internet]. 2008;54(2):360-3. Available from: www.scopus.com	Majeed, Saadat; Gao, Wenyue; Zholudov, Yuriy; Muzyka, Kateryna; Xu, Guobao; <i>Electrochemiluminescence of Acridines; ELECTROANALYSIS</i> ; 2016 28 10.1002/elan.201600209
			6. Zholudov Y, Bilash O, Kukoba A, Rozhitskii M. Electrogenerated chemiluminescence in systems with tetraphenylborate anion as a co-reactant. <i>Analyst</i> [Internet]. 2011;136(3):598-604. Available from: www.scopus.com	Muzyka, Kateryna; Bilash, Olena; Zholudov, Yuriy; Kukoba, Anatoly; Rozhitskii, Mykola; <i>Electrochemiluminescent determination of free unconjugated bilirubin in aquatic solution; LUMINESCENCE</i> ; 2012 27
			7. Bilash OM, Zholudov YT, Rozhitskii MM. Electrochemiluminescent detection of labile radical intermediates of electrochemical reactions. <i>J Solid State Electrochem</i> [Internet]. 2011;15(10):2127-31. Available from: www.scopus.com	Bilash, Olena M.; Zholudov, Yuriy T.; Rozhitskii, Mykola M.; <i>Electrochemiluminescent detection of labile radical intermediates of electrochemical reactions; JOURNAL OF SOLID STATE ELECTROCHEMISTRY</i> ; 2011 15 10.1007/s10008-011-1482-9
			8. Zholudov YT, Bilash OM, Rozhitskii MM. Electrochemiluminescent properties of organic films with incorporated carbon nanotubes. <i>J Nano Electron Phys</i> [Internet]. 2012;4(2):02030,1-02030-4. Available from: www.scopus.com	Zholudov, Yu. T.; Sajti, C. L.; Slipchenko, N. N.; Chichkov, B. N.; <i>Generation of fluorescent CdSe nanocrystals by short-pulse laser fragmentation; JOURNAL OF NANOPARTICLE RESEARCH</i> ; 2015 17 10.1007/s11051-015-3303-z
			9. Snizhko DV, Zholudov YT, Bilash OM, Kukoba AV, Rozhitskii MM. Electrochemiluminescence at nitrogen doped diamond-like carbon film electrodes. <i>Russ J Electrochem</i> [Internet]. 2014;50(3):260-6. Available from: www.scopus.com	Snizhko, D. V.; Zholudov, Yu T.; Bilash, O. M.; Kukoba, A. V.; Rozhitskii, M. M.; <i>Electrochemiluminescence at Nitrogen Doped Diamond-Like Carbon Film Electrodes; RUSSIAN JOURNAL OF ELECTROCHEMISTRY</i> ; 2014 50 10.1134/S1023193514020037

			10. Dudnik SF, Koshevoy KI, Strelitskiy VE, Zholudov YT, Rozhitskii MM. Electrochemical properties of nitrogen doped nanostructured diamond coatings synthesized in the plasma of direct current glow discharge. J Nano Electron Phys [Internet]. 2015;7(2):1-5. Available from: www.scopus.com	Zholudov, Yuriy T.; Xu, Guobao; Electrogenerated chemiluminescence at a 9,10-diphenylanthracene/ polyvinyl butyral film modified electrode with a tetraphenylborate coreactant; ANALYST; 2018 143 10.1039/c8an00889b
			11. Zholudov YT, Sajti CL, Slipchenko NN, Chichkov BN. Generation of fluorescent CdSe nanocrystals by short-pulse laser fragmentation. J Nanopart Res [Internet]. 2015;17(12):1-10. Available from: www.scopus.com	Kitte, Shimeles Addisu; Zafar, Muhammad Nadeem; Zholudov, Yuriy T.; Ma, Xiangui; Nsabimana, Anaclet; Zhang, Wei; Xu, Guobao; Determination of Concentrated Hydrogen Peroxide Free from Oxygen Interference at Stainless Steel Electrode; ANALYTICAL CHEMISTRY; 2018 90 10.1021/acs.analchem.8b02038
			12. Wang C, Zholudov YT, Nsabimana A, Xu G, Li J. Sensitive and selective electrochemical detection of artemisinin based on its reaction with p-aminophenylboronic acid. Anal Chim Acta [Internet]. 2016;937:39-42. Available from: www.scopus.com	Dudnik, S. F.; Koshevoy, K. I.; Strelitskiy, V. E.; Zholudov, Yu. T.; Rozhitskii, M. M.; Electrochemical Properties of Nitrogen Doped Nanostructured Diamond Coatings Synthesized in the Plasma of Direct Current Glow Discharge; JOURNAL OF NANO- AND ELECTRONIC PHYSICS; 2015 7
			13. Kitte SA, Wang C, Li S, Zholudov Y, Qi L, Li J, Xu G. Electrogenerated chemiluminescence of tris(2,2'-bipyridine)ruthenium(II) using N-(3-aminopropyl)diethanolamine as coreactant. Anal Bioanal Chem [Internet]. 2016;408(25):7059-65. Available from: www.scopus.com	Zholudov, Yuriy T.; Bilash, Olena M.; Kukoba, Anatoly V.; Rozhitskii, Mykola M.; Spectroscopic identification of emitter in electrochemiluminescent reactions with tetraphenylborate anion; LUMINESCENCE; 2012 27
			14. Majeed S, Gao W, Zholudov Y, Muzyka K, Xu G. Electrochemiluminescence of acridines. Electroanalysis [Internet]. 2016;28(11):2672-9. Available from: www.scopus.com	Zholudov, Y. T.; Bilash, O. M.; Kukoba, A. V.; Rozhitskii, M. M.; Electrochemiluminescence in systems with tetraphenylborate ion as a coreactant; LUMINESCENCE; 2010 25

				15. Kitte SA, Gao W, Zholudov YT, Qi L, Nsabimana A, Liu Z, Xu G. Stainless steel electrode for sensitive luminol electrochemiluminescent detection of H ₂ O ₂ , glucose, and glucose oxidase activity. Anal Chem [Internet]. 2017;89(18):9864-9. Available from: www.scopus.com		Bilash, O. M.; Muzyka, K. M.; Zholudov, Y. T.; Rozhitskii, M. M.; Electrochemiluminescent determination of bile pigments at testing of neonatal hyperbilirubinemia; LUMINESCENCE; 2010 25
				16. Kitte SA, Zafar MN, Zholudov YT, Ma X, Nsabimana A, Zhang W, Xu G. Determination of concentrated hydrogen peroxide free from oxygen interference at stainless steel electrode. Anal Chem [Internet]. 2018;90(14):8680-5. Available from: www.scopus.com		Zholudov, Yu. T.; Rozhitskii, M. M.; New trends in analytical applications of aqueous electrogenerated chemiluminescence; 2007 INTERNATIONAL WORKSHOP ON OPTOELECTRONIC PHYSICS AND TECHNOLOGY; 2007
				17. Zholudov YT, Xu G. Electrogenerated chemiluminescence at a 9,10-diphenylanthracene/polyvinyl butyral film modified electrode with a tetraphenylborate coreactant. Analyst [Internet]. 2018;143(14):3425-32. Available from: www.scopus.com		Zholudov, YT; Rozhitskii, MM; Mass transport calculation for planar electrolyte-free optochemotronic sensor; LFNM 2005: 7TH INTERNATIONAL CONFERENCE ON LASER AND FIBER-OPTICAL NETWORKS MODELING; 2005 10.1109/LFNM.2005.1553252
						Zholudov, YT; Rozhitskii, NN; Nonradiative energy transfer in 2D ordered organic structures; LFNM 2004: PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON LASER AND FIBER-OPTICAL NETWORKS MODELING; 2004
ITM	ПМ	КІРІЧЕНКО ЛЮДМИЛА ОЛЕГІВНА	17	1. Kirichenko LO, Tsekhmistro RI, Krug OY, Storozhenko AW. Comparative analysis of pseudorandom number generation in the up-to-date wireless data communication. Telecommun Radio Eng [Internet]. 2011;70(4):325-33. Available from: www.scopus.com	8	Kirichenko, Lyudmyla; Radivilova, Tamara; Zinkevich, Illya; Forecasting Weakly Correlated Time Series in Tasks of Electronic Commerce; PROCEEDINGS OF THE 2017 12TH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE ON COMPUTER SCIENCES AND

					INFORMATION TECHNOLOGIES (CSIT 2017), VOL. 1; 2017
				2. Karpukhin A, Kirichenko L, Gritsiv D, Tkachenko A. Mathematical modelling of infocommunication systems by means of chaos theory methods. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 2014. p. 17-8. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992283	Radivilova, Tamara; Kirichenko, Lyudmyla; Ivanisenko, Igor; Calculation of Distributed System Imbalance in Condition of Multifractal Load; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
				3. Saprykin G, Kobytska J, Kirichenko L. Using the characteristics of chaotic dynamics in the knowledge base of decision support system. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 2015. p. 162-5. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325457	Ivanisenko, Igor; Kirichenko, Lyudmyla; Radivilova, Tamara; Investigation of Multifractal Properties of Additive Data Stream; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
				4. Ivanisenko I, Kirichenko L, Radivilova T. Investigation of self-similar properties of additive data traffic. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 2015. p. 169-71. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325459	Kirichenko, Lyudmila; Ivanisenko, Igor; Radivilova, Tamara; Dynamic Load Balancing Algorithm of Distributed Systems; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
				5. Kirichenko L, Ivanisenko I, Radivilova T. Dynamic load balancing algorithm of distributed systems. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 2016. p. 515-8. Available	Bulakh, Vitalii; Kirichenko, Lyudmyla; Radivilova, Tamara; Time Series Classification Based on Fractal Properties; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018

			from: www.scopus.com DOI: 10.1109/TCSET.2016.7452102		
			6. Ivanisenko I, Kirichenko L, Radivilova T. Investigation of multifractal properties of additive data stream. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 2016:2016. p. 305-8. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583564		Daradkeh, Yousef Ibrahim; Kirichenko, Lyudmyla; Radivilova, Tamara; Development of QoS Methods in the Information Networks with Fractal Traffic; INTERNATIONAL JOURNAL OF ELECTRONICS AND TELECOMMUNICATIONS; 2018 64 10.24425/118142
			7. Radivilova T, Kirichenko L, Ivanisenko I. Calculation of distributed system imbalance in condition of multifractal load. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 2017:2017. p. 156-8. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905366		Radivilova, Tamara; Kirichenko, Lyudmyla; Yeremenko, Oleksandra; Calculation of Routing Value in MPLS Network According to Traffic Fractal Properties; 2017 2ND IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION AND COMMUNICATION TECHNOLOGIES-2017 (AICT 2017); 2017
			8. Kirichenko L, Radivilova T. Analyzes of the distributed system load with multifractal input data flows. In: 2017 14th International Conference The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 2017:2017. p. 260-4. Available from: www.scopus.com DOI: 10.1109/CADSM.2017.7916130		Kirichenko, Lyudmyla; Radivilova, Tamara; Analyzes of the Distributed System Load with Multifractal Input Data Flows; 2017 14TH INTERNATIONAL CONFERENCE: THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM); 2017
			9. Radivilova T, Kirichenko L, Yeremenko O. Calculation of routing value in MPLS network according to traffic fractal properties. In: 2nd International Conference on Advanced Information and Communication Technologies, AICT 2017 -		

				Proceedings [Internet]; 20172017. p. 250-3. Available from: www.scopus.com DOI: 10.1109/AIACT.2017.8020112		
				10. Kirichenko L, Radivilova T, Zinkevich I. Forecasting weakly correlated time series in tasks of electronic commerce. In: Proceedings of the 12th International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2017 [Internet]; 20172017. p. 309-12. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2017.8098793		
				11. Vitalii B, Kirichenko L, Radivilova T. Classification of multifractal time series by decision tree methods. In: CEUR Workshop Proceedings [Internet]; 20182018. p. 457-60. Available from: www.scopus.com		
				12. Kirichenko L, Radivilova T, Zinkevich I. Comparative analysis of conversion series forecasting in e-commerce tasks; 2018. 230 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-70581-1_16		
				13. Daradkeh YI, Kirichenko L, Radivilova T. Development of QoS methods in the information networks with fractal traffic. Int J Electron Telecommun [Internet]. 2018;64(1):27-32. Available from: www.scopus.com		
				14. Lyudmyla K, Vitalii B, Tamara R. Fractal time series analysis of social network activities. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 456-9. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246438		

				15. Ageyev D, Kirichenko L, Radivilova T, Tawalbeh M, Baranovskyi O. Method of self-similar load balancing in network intrusion detection system. In: 2018 28th International Conference Radioelektronika, RADIOELEKTRONIKA 2018 [Internet]; 20182018. p. 1-4. Available from: www.scopus.com DOI: 10.1109/RADIOELEK.2018.8376406		
				16. Radivilova T, Kirichenko L, Ageyev D, Tawalbeh M, Bulakh V. Decrypting SSL/TLS traffic for hidden threats detection. In: Proceedings of 2018 IEEE 9th International Conference on Dependable Systems, Services and Technologies, DESSERT 2018 [Internet]; 20182018. p. 143-6. Available from: www.scopus.com DOI: 10.1109/DESSERT.2018.8409116		
				17. Bulakh V, Kirichenko L, Radivilova T. Time Series Classification Based on Fractal Properties. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 198-201. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478532		
АКТ	ФІЗ	СТОРОЖЕНК О ВОЛОДИМИР ОЛЕКСАНДРО ВИЧ	17	1. Storozhenko VA, Ivanishina ZV, Efremenko RA. THEORETICAL ANALYSIS OF THE OPTIMUM METHOD OF INSPECTING MATERIALS WITH A LOW THERMAL CONDUCTIVITY BY THE ACTIVE THERMAL METHOD. Sov J Nondestr Test [Internet]. 1977;13(4):421-4. Available from: www.scopus.com	11	Storozhenko, Vladimir; Meshkov, Sergey; Malyk, Svetlana; Avedyan, Valeriy; THERMOGRAPHY IN UKRAINE: RANGES OF APPLICATION AND RESULTS; 10TH EUROPEAN CONFERENCE ON NON-DESTRUCTIVE TESTING 2010 (ECNDT), VOLS 1-5; 2010
				2. Storozhenko VA, Gorbunov VI. BASIC PROBLEMS OF ACTIVE THERMAL NONDESTRUCTIVE TESTING. Sov J Nondestr Test [Internet]. 1978;14(8):738-47. Available from: www.scopus.com		Storozhenko, V. A.; Meshkov, S. N.; Malik, S. B.; Experience of work of Research & technical centre Thermocontrol in the area of thermal nondestructive test and thermography; 2007

					INTERNATIONAL WORKSHOP ON OPTOELECTRONIC PHYSICS AND TECHNOLOGY; 2007
				3. Storozhenko VA, Denisov SS, Ivanishina ZV. EFFECTS OF FLAW PARAMETERS ON SENSITIVITY AND SPEED IN ONE-SIDED THERMAL MONITORING. Sov J Nondestr Test [Internet]. 1978;14(1):85-7. Available from: www.scopus.com	STOROZHENKO, VA; MELNIK, SI; METHOD OF TRANSFER-FUNCTIONS IN THERMAL DEFECTOMETRY; SOVIET JOURNAL OF NONDESTRUCTIVE TESTING-USSR; 1991 27
				4. Storozhenko VA, Vavilov VP, Shabanova OS. DETERMINING THE BASIC PARAMETERS OF ONE-SIDED THERMAL INSPECTION FOR SEPARATION IN GLASS-FIBER-REINFORCED PLASTIC PARTS. Sov J Nondestr Test [Internet]. 1978;14(9):801-3. Available from: www.scopus.com	STOROZHENKO, VA; OPTIMIZATION OF THE SPECTRUM RANGE OF DEVICES FOR THERMAL NONDESTRUCTIVE INSPECTION; SOVIET JOURNAL OF NONDESTRUCTIVE TESTING-USSR; 1988 24
				5. Vavilov VP, Storozhenko VA, Denisov SS. SCOPE FOR USING INFRARED SYSTEMS IN THERMAL NONDESTRUCTIVE TESTING. Sov J Nondestr Test [Internet]. 1984;20(1):27-31. Available from: www.scopus.com	STOROZHENKO, VA; OPTIMIZATION OF THE SELECTION OF THE PARAMETERS OF THE RADIOMETER FOR DETECTING THRESHOLD DEFECTS; SOVIET JOURNAL OF NONDESTRUCTIVE TESTING-USSR; 1985 21
				6. Vavilov VP, Storozhenko VA, Ivanishina ZV. EFFECT OF THE SIZE OF THE SCANNING SPOT AND THE FREQUENCY CHARACTERISTICS OF THE PHOTORECEIVER ON THE SENSITIVITY OF ACTIVE THERMAL TESTING. Sov J Nondestr Test [Internet]. 1984;20(4):269-72. Available from: www.scopus.com	VAVILOV, VP; STOROZHENKO, VA; DENISOV, SS; SCOPE FOR USING INFRARED SYSTEMS IN THERMAL NONDESTRUCTIVE TESTING; SOVIET JOURNAL OF NONDESTRUCTIVE TESTING-USSR; 1984 20

			7. Storozhenko VA, Ivanishina ZV, Lutsenko EA. THERMOGRAPHIC INSPECTION OF THE QUALITY OF VACUUM-POWDER THERMAL INSULATION. Sov J Nondestr Test [Internet]. 1984;20(11):711-3. Available from: www.scopus.com	VAVILOV, VP; STOROZHENKO, VA; IVANISHINA, ZV; EFFECT OF THE SIZE OF THE SCANNING SPOT AND THE FREQUENCY-CHARACTERISTICS OF THE PHOTORECEIVER ON THE SENSITIVITY OF ACTIVE THERMAL TESTING; SOVIET JOURNAL OF NONDESTRUCTIVE TESTING-USSR; 1984 20
			8. Storozhenko VA. OPTIMIZATION OF THE SELECTION OF THE PARAMETERS OF THE RADIOMETER FOR DETECTING THRESHOLD DEFECTS. Sov J Nondestr Test [Internet]. 1985;21(6):427-9. Available from: www.scopus.com	STOROZHENKO, VA; IVANISHINA, ZV; LUTSENKO, EA; THERMOGRAPHIC INSPECTION OF THE QUALITY OF VACUUM POWDER THERMAL INSULATION; SOVIET JOURNAL OF NONDESTRUCTIVE TESTING-USSR; 1984 20
			9. Storozhenko VA, Ivanishina EV, Mel'nik SI. SIMPLIFIED ANALYSIS METHOD IN NONDESTRUCTIVE THERMAL MONITORING. Sov J Nondestr Test [Internet]. 1987;23(2):136-9. Available from: www.scopus.com	STOROZHENKO, VA; DENISOV, SS; IVANISHINA, ZV; EFFECTS OF FLAW PARAMETERS ON SENSITIVITY AND SPEED IN ONE-SIDED THERMAL MONITORING; SOVIET JOURNAL OF NONDESTRUCTIVE TESTING-USSR; 1978 14
			10. Storozhenko VA. Optimization of the spectrum range of devices for thermal nondestructive inspection. Sov J Nondestr Test [Internet]. 1989;24(5):356-60. Available from: www.scopus.com	STOROZHENKO, VA; RAPOPORT, DA; DENISOV, SS; VOLKOV, YA; THERMAL INSPECTION UNIT FOR NONDESTRUCTIVE TESTING OF MULTILAYER CYLINDRICAL PARTS; SOVIET JOURNAL OF NONDESTRUCTIVE TESTING-USSR; 1978 14

			11. Storozhenko VA. The 'RAD-1' radiometer for thermal diagnosis of energetic equipment. Defektoskopiya [Internet]. 1991(9):93-4. Available from: www.scopus.com		STOROZHENKO, VA; IVANISHINA, ZV; EFREMENKO, RA; THEORETICAL-ANALYSIS OF OPTIMUM METHOD OF INSPECTING MATERIALS WITH A LOW THERMAL-CONDUCTIVITY BY ACTIVE THERMAL METHOD; SOVIET JOURNAL OF NONDESTRUCTIVE TESTING-USSR; 1977 13
			12. Storozhenko VA, Mel'nik SI. The method of transfer function in thermal defectometry. Defektoskopiya [Internet]. 1991(12):78-83. Available from: www.scopus.com		
			13. Storozhenko VA, Maslova VA, Banduryan OV. Application of interactive cognitive graphics technologies to the analysis of temperature fields in inhomogeneous structures. Telecommun Radio Eng [Internet]. 1998;52(5):61-3. Available from: www.scopus.com		
			14. Storozhenko VA, Meshkov SN, Maslova VA. Instrumentation and techniques for quality control of space technology products. Telecommun Radio Eng [Internet]. 1998;52(5):64-7. Available from: www.scopus.com		
			15. Storozhenko VA, Khorlo NF, Meshkov SN, Maslova VA. Approaches to development of standard samples for thermal NDT. Tekh Diagn Nerazruchayushchij Kontrol [Internet]. 2005(1):21-5. Available from: www.scopus.com		
			16. Storozhenko VA, Meshkov SN, Malik SB. Experience of work of research & technical centre "thermocontrol" in the area of thermal non-destructive test and thermography. In: OPT 2007 - International		

				Workshop Optoelectronic Physics and Technology [Internet]; 20072007. p. 68-9. Available from: www.scopus.com DOI: 10.1109/OPT.2007.4298544		
				17. Storozhenko V, Myagkiy A, Orel R. Optimization of the procedure of thermal flaw detection of the honeycomb constructions by improving the accuracy of interference function. East -Eur J Enterp Technol [Internet]. 2016;5(5-83):12-8. Available from: www.scopus.com		
ІК	ІМІ	ФЕДОРОВ ОЛЕКСІЙ ВАЛЕРІЙОВИ Ч	16	1. Fedorov A, Omelchenko A. Test a hypothesis of a polynomial model order in design of an experiment tasks. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 47-9. Available from: www.scopus.com	6	Bezruk, Valeriy; Fedorov, Oleksii; Nemeč, Zdenek; Detecting Unknown Signals in Radio Monitoring Systems; 2017 27TH INTERNATIONAL CONFERENCE RADIOELEKTRONIKA (RADIOELEKTRONIKA); 2017
				2. Rozdymakha EA, Omelchenko AV, Fedorov AV. Estimation of mean queue length in a buffer of telecommunication equipment at serving fractal traffic. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 497-8. Available from: www.scopus.com		Fedorov, Oleksii; Rodyhin, Mykhailo; A Referenceless PSNR Estimator of Compressed JPEG Images; PROCEEDINGS OF THE 26TH INTERNATIONAL CONFERENCE RADIOELEKTRONIKA (RADIOELEKTRONIKA 2016); 2016
				3. Fedorov A, Omelchenko A. Decision rules of signals recognition comparison by results of statistical modelling. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 432. Available from: www.scopus.com		Rodyhin, Mykhailo; Fedorov, Oleksii; Managing Embedding Parameters of DCT Coefficient Steganography Algorithms Subject to the Given Value of the JPEG Quality Factor; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T

					2015); 2015	
				4. Rozdimakha E, Omelchenko A, Fedorov A. Estimation of a required size of a buffer of telecommunication equipment at serving fractal traffic. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 254. Available from: www.scopus.com		Bezruk, Valeriy; Fedorov, Alexey; Recognition of Statistically Defined Signals Along With Unknown Signals; 2013 INTERNATIONAL SYMPOSIUM ON SIGNALS, CIRCUITS AND SYSTEMS (ISSCS); 2013
				5. Fedorov AV, Omelchenko AV. Designing a polynomial regression experiment at researching into decision rules of signal recognition by modeling. In: Proceedings of the 2013 IEEE 7th International Conference on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS 2013 [Internet]; 20132013. p. 124-8. Available from: www.scopus.com DOI: 10.1109/IDAACS.2013.6662654		Omelchenko, Anatolii V.; Rozdymakha, Eugene A.; Fedorov, Oleksii V.; Network Traffic Shaping Based on Prediction of Polynomial Trend Self-similar Time Series; 2015 25TH INTERNATIONAL CONFERENCE RADIOELEKTRONIKA (RADIOELEKTRONIKA); 2015
				6. Rozdimakha EA, Omelchenko AV, Fedorov AV. Improvement to approaches to the problem of Ethernet networks traffic modeling. In: Proceedings of the 2013 IEEE 7th International Conference on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS 2013 [Internet]; 20132013. p. 129-32. Available from: www.scopus.com DOI: 10.1109/IDAACS.2013.6662655		Fyodorov, A., V; Omelchenko, A., V; Experiment design at construction of signal identification performances; KPBIMUKO 2007CRIMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368745

				7. Bezruk V, Fedorov A. Recognition of statistically defined signals along with unknown signals. In: ISSCS 2013 - International Symposium on Signals, Circuits and Systems [Internet]; 20132013 Available from: www.scopus.com DOI: 10.1109/ISSCS.2013.6651223		
				8. Fedorov AV, Omelchenko AV. Speaker identification by characteristics of linear prediction residual. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 450-1. Available from: www.scopus.com		
				9. Omelchenko AV, Rozdimakha EA, Fedorov AV. Prediction of self-similar time series containing polynomial trends. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 456-7. Available from: www.scopus.com		
				10. Rodyhin M, Fedorov O. Considering image structural properties while estimating compressed jpeg image quality. East -Eur J Enterp Technol [Internet]. 2015;6(4):54-64. Available from: www.scopus.com		
				11. Omelchenko AV, Fedorov OV. Polynomial regression coefficients estimation in finite differences space. In: Proceedings of 25th International Conference Radioelektronika, RADIOELEKTRONIKA 2015 [Internet]; 20152015. p. 257-60. Available from: www.scopus.com DOI: 10.1109/RADIOELEK.2015.7129024		

			<p>12. Omelchenko AV, Rozdymakha EA, Fedorovz OV. Network traffic shaping based on prediction of polynomial trend self-similar time series. In: Proceedings of 25th International Conference Radioelektronika, RADIOELEKTRONIKA 2015 [Internet]; 20152015. p. 450-2. Available from: www.scopus.com DOI: 10.1109/RADIOELEK.2015.7129059</p>		
			<p>13. Rodyhin M, Fedorov O. Managing embedding parameters of DCT coefficient steganography algorithms subject to the given value of the JPEG quality factor. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 251-2. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357327</p>		
			<p>14. Fedorov O, Rodyhin M. A referenceless PSNR estimator of compressed JPEG images. In: 2016 26th International Conference Radioelektronika, RADIOELEKTRONIKA 2016 [Internet]; 20162016. p. 227-30. Available from: www.scopus.com DOI: 10.1109/RADIOELEK.2016.7477432</p>		
			<p>15. Fedorov O, Rubel A, Omelchenko A. Detection of DCT coefficient modulation schemes in JPEG images. In: 2016 26th International Conference Radioelektronika, RADIOELEKTRONIKA 2016 [Internet]; 20162016. p. 231-4. Available from: www.scopus.com DOI: 10.1109/RADIOELEK.2016.7477433</p>		

				16. Bezruk V, Fedorov O, Nemeč Z. Detecting unknown signals in radio monitoring systems. In: 2017 27th International Conference Radioelektronika, RADIOELEKTRONIKA 2017 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/RADIOELEK.2017.7937604		
ІРТЗІ	КРiСТ ЗІ	СТРЕЛЬНИЦЬ КІЙ ОЛЕКСАНДР ЄВГЕНІЙОВИ Ч	16	1. Shokalo VM, Lyhograi VG, Strelnitskiy AY. Experimental investigations of antennas for the lan radioethernet. In: 5th International Conference on Antenna Theory and Techniques, 2005 [Internet]; 20052005. p. 317-8. Available from: www.scopus.com DOI: 10.1109/ICATT.2005.1496967	9	Strelnytskyi, A. A.; Strelnytskyi, A. E.; Tsopa, A. I.; Shokalo, V. M.; The model of the multiterminal network for attenuation calculation of the radio waves in the wave channels of the architectural buildings (KNURE-WCAB model); KPBIMUKO 2007CRIMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368686
				2. Lyhograi V, Strelnitskiy A, Shokalo V. The experimental definition of spectral efficiency for office SRAS. In: 2005 15th International Crimean Conference Microwave and Telecommunication Technology, CriMiCo'2005 - Conference Proceedings [Internet]; 20052005. p. 761-2. Available from: www.scopus.com DOI: 10.1109/CRMICO.2005.1565127		Strelnytskyi, A. A.; Strelnytskyi, A. E.; Tsopa, A. I.; Shokalo, V. M.; Version of the attenuation calculation model of the broadband signal in the radio circuit of the local communications network (KNURE Wi-Fi model); KPBIMUKO 2007CRIMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368687

			<p>3. Shokalo VM, Luchaninov AI, Gawa DS, Gretskih DV, Lihograj VG, Strelnytskyi AE, Sukhomlinov DV, Strelnytskyi AA, Babanskaya EV, Krikun EV. New research results of nonlinear effects and spectral efficiency in the radio channels of the modern communication systems. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 2006. p. 510-1. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404610</p>	<p>Shokalo, V. M.; Luchaninov, A. I.; Gavva, D. S.; Gretskih, D. V.; Lihograj, V. G.; Strelnytskyi, A. E.; Babanskaya, E. V.; Krikun, E. V.; New research results of nonlinear effects and spectral efficiency in the radio channels of the modern communication systems; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006</p>
			<p>4. Strelnytskyi AA, Strelnytskyi AE, Tsopa AI, Shokalo VM. Version of the attenuation calculation model of the broadband signal in the radio circuit of the local communications network (KNURE Wi-Fi model). In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 2007. p. 215-7. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368687</p>	<p>Lyhograi, V.; Strelnitskiy, A.; Shokalo, V.; The experimental definition of spectral efficiency for office SRAS; 2005 15th International Crimean Conference Microwave & Telecommunication Technology, Vols 1 and 2, Conference Proceedings; 2005</p>
			<p>5. Strelnytskyi AA, Strelnytskyi AE, Tsopa AI, Shokalo VM. The model of the multiterminal network for attenuation calculation of the radio waves in the wave channels of the architectural buildings (KNURE - WCAB model). In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 2007. p. 213-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368686</p>	<p>Shokalo, VM; Lyhograi, VG; Strelnitskiy, AY; Experimental investigations of antennas for the LAN Radioethernet; 5th International Conference on Antenna Theory and Techniques, Proceedings; 2005 10.1109/ICATT.2005.1496967</p>

			6. Strelnitskiy OE, Tsopa OO, Tsopa OI, Shokalo VM. The variant of quality increasing of video information transmission via WIMAX fixed connection radio channel. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 388-9. Available from: www.scopus.com	Doroshenko, V. O.; Strelnytskyi, O. O.; Strelnytskyi, O. E.; EXPERIMENTAL INVESTIGATION OF THE CONE ANTENNA WITH A LONGITUDINAL SLOT; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
			7. Strelnitskiy AA, Strelnitskiy AE, Tsopa AI, Shokalo VM. Theory and practice of construction of radio channels of local wireless networks with adjusted quality of information transmission. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 3-9. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676676	Doroshenko, V. O.; Strelnytskyi, O. E.; Strelnytskyi, O. O.; EXPERIMENTAL STUDY OF THE PROPERTIES OF WIDEBAND ANTENNAS OF SPECIAL SHAPE; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
			8. Strelnytskyi AA, Strelnytskyi AE, Tsopa AA, Tsopa AI, Shokalo VM. Experimental researches of wideband connection wireless access system wimax by streets waves channels distribution signals. In: 2008 4th International Conference on Ultrawideband and Ultrashot Impulse Signals, UWBUSIS 2008 [Internet]; 20082008. p. 116-8. Available from: www.scopus.com DOI: 10.1109/UWBUS.2008.4669377	Doroshenko, V. O.; Strelnytskyi, O. E.; Strelnytskyi, O. O.; EXCITATION OF THE SLOT CONICAL ANTENNA (THEORY AND EXPERIMENT); 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
			9. Dudka OO, Strelnytskyi AA, Strelnytskyi AE, Tsopa OI, Shokalo VM. Ways to improve the security of communication channels of information transmission digital systems at the physical level. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet];	Alekseev, I. E.; Voronin, V. V.; Strelnitskiy, O. E.; Strelnitskiy, O. O.; Tsopa, O., I; Shokalo, V. M.; The ideology of special Ukrainian digital information transmission systems' creation; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY,

				20102010. p. 28-31. Available from: www.scopus.com		VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006
				10. Strelnitskiy AA, Strelnitskiy AE, Tsopa OI, Shokalo VM. Prediction model of energy security for the systems of subscriber radio access with branched street and corridor communications channels. Radioelectron Commun Syst [Internet]. 2011;54(2):61-7. Available from: www.scopus.com		
				11. Strelnitskiy AA, Strelnitskiy AE, Tsopa AI, Shokalo VM, Yagudina EV. Estimation of the probability to detect signals of wireless communication systems with wiretap channels with antennas apertures of different sizes and relative position. Telecommun Radio Eng [Internet]. 2011;70(7):601-6. Available from: www.scopus.com		
				12. Strelnitskiy OO, Strelnitskiy OE, Shokalo VM, Yagudina OV. The method for calculating channel digital communication systems with a given probability of detection. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 433-5. Available from: www.scopus.com		
				13. Strelnitskiy AA, Strelnitskiy AE, Shokalo VM, Yagudina EV. Method for calculation of radio channel of information transmission digital systems with specified detection probability. Telecommun Radio Eng [Internet]. 2012;71(3):227-34. Available from: www.scopus.com		

				14. Doroshenko VO, Strelnytskyi OO, Strelnytskyi OE. Experimental investigation of the cone antenna with a longitudinal slot. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20142014. p. 517-8. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959506		
				15. Doroshenko VO, Strelnytskyi OE, Strelnytskyi OO. Excitation of the slot conical antenna (theory and experiment). In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136861		
				16. Doroshenko VO, Strelnytskyi OE, Strelnytskyi OO. Experimental study of the properties of wideband antennas of special shape. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136860		
ЕЛБІ	ФОЕТ	ФРОЛОВА ТЕТЯНА ІВАНІВНА	16	1. Ghuryumov GI, Frolova TI. Analysis of electron-wave interaction in cathode driven crossed-field amplifiers by coupled-mode method. In: 3rd International Kharkov Symposium "Physics and Engineering of Millimeter and Submillimeter Waves", MSMW 1998 - Symposium Proceedings [Internet]; 19981998. p. 233-5. Available from: www.scopus.com DOI: 10.1109/MSMW.1998.758965	9	Churyumov, G., I; Gritsunov, A., V; Frolova, T., I; Starchevskiy, Yu; Basrawi, K. M.; Ekezli, A., I; Perevertaylo, R. A.; Theoretical and experimental investigation of frequency tuning and lock modes of magnetrons; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE

					PROCEEDINGS; 2006
				2. Frolova TI, Churyumov GI. 3D mathematical model of nontraditional magnetron. In: 1999 9th International Crimean Microwave Conference: Microwave and Telecommunication Technology, CriMiCo 1999 - Conference Proceedings [Internet]; 1999. p. 100-1. Available from: www.scopus.com DOI: 10.1109/CRMICO.1999.815159	Churyumov, Gennadiy; Gerasimov, Vladimir; Frolova, Tetyana; Gritsunov, Alexander; Ekezli, Andrey; The Advanced Designs of Magnetrons with Improvement Output Characteristics; 2016 IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE (IVEC); 2016
				3. Frolova TI, Churyumov GI. Simulation of a non-linear interaction in the combined magnetron. Int Conf Math methods Electromagn Theory, MMET [Internet]. 2000;1:358-60. Available from: www.scopus.com	Churyumov, Gennadiy; Frolova, Tetyana; Gritsunov, Aleksandr; The State-of-the-Art of Computer Modeling and Design of the Vacuum Microwave Devices; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
				4. Churyumov GI, Frolova TI, Gritsunov AV, Terehin SN. Advanced design of re-entrant beam distributed-emission crossed-field tubes. In: 13th International Conference on Microwaves, Radar and Wireless Communications, MIKON 2000 [Internet]; 2000. p. 573-6. Available from: www.scopus.com DOI: 10.1109/MIKON.2000.913998	Frolova, Tetyana; Churyumov, Gennadiy; A Non-Resonant Method of Excitation of the Electrodeless Lamp; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
				5. Churyumov GI, Frolova TI, Gritsunov AV, Nikitenko OM, Zinkovski VN. The influence of residual atmosphere in magnetron to its output parameters. In: 4th IEEE International Vacuum Electronics Conference, IVEC 2003 - Proceedings [Internet]; 2003. p.	Frolova, T., I; Churyumov, G., I; COMPUTER MODELING OF THE GAS DISCHARGE IN THE ELECTRODELESS LAMP; PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY; 2015

			285. Available from: www.scopus.com DOI: 10.1109/IVEC.2003.1286319	
			6. Churyumov GI, Frolova TI, Basrawi KM. Simulation of lock mode in two-stage magnetron. In: 2006 IEEE International Vacuum Electronics Conference held jointly with 2006 IEEE International Vacuum Electron Sources, IVEC/IVESC 2006 [Internet]; 2006; 2006. p. 243-4. Available from: www.scopus.com	Churyumov, G. I.; Starchevskiy, Yu. L.; Frolova, T. I.; Basrawi, K. M.; Ekezli, A. I.; Sivokon, K. V.; Influence of thermal mode of oxide-coated cathode on magnetron frequency characteristics; KPBIMUKO 2007 CRMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368683
			7. Churyumov GI, Frolova TI, Basrawi KM. The two-stage magnetron for radar applications. In: 2nd Microwave and Radar Week in Poland - International Radar Symposium, IRS 2006, Proceedings [Internet]; 2006; 2006. Available from: www.scopus.com DOI: 10.1109/IRS.2006.4338148	Churyumov, G. I.; Frolova, T. I.; Basrawi, K. M.; Simulation of lock mode in two-stage magnetron; 2006 IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE HELD JOINTLY WITH 2006 IEEE INTERNATIONAL VACUUM ELECTRON SOURCES; 2006 10.1109/IVELEC.2006.1666275
			8. Churyumov GI, Starchevskiy YL, Frolova TI, Basrawi KM, Ekezli AI, Sivokon' KV. Influence of thermal mode of oxide-coated cathode on magnetron frequency characteristics. In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 2007; 2007. p. 205-6. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368683	Churyumov, GI; Frolova, TL; Gritsunov, AV; Terehin, SN; Advanced design of re-entrant beam distributed-emission crossed-field tubes; MIKON-2000, VOLS 1 & 2, PROCEEDINGS; 2000

			9. Churyumov GI, Odarenko EN, Frolova TI, Starchevskiy YL, Gerasimov VP, Ivantsov VP, Ekezli AI. Effect of microwave pump power on characteristics nonelectrode sulfuric lamps. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 865-6.Available from: www.scopus.com		Frolova, TI; Churyumov, GI; Simulation of a non-linear interaction in the combined magnetron; MMET 2000: INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2000
			10. Frolova TI, Churyumov GI. Computer modeling of the gas discharge in the electrodeless lamp. Probl Atomic Sci Technol [Internet]. 2015;98(4):194-6. Available from: www.scopus.com		
			11. Frolova TI, Churyumov GI. Free convection in a electrodeless microwave lamp. In: ICOPS/BEAMS 2014 - 41st IEEE International Conference on Plasma Science and the 20th International Conference on High-Power Particle Beams [Internet]; 20152015Available from: www.scopus.com DOI: 10.1109/PLASMA.2014.7012592		
			12. Frolova T, Churyumov G. A non-resonant method of excitation of the electrodeless lamp. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 180-2.Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452006		
			13. Churyumov G, Frolova T, Gritsunov A. The state-of-the-art of computer modeling and design of the vacuum microwave devices. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p.		

				114-6. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7451986		
				14. Churyumov G, Gerasimov V, Frolova T, Gritsunov A, Ekezli A. The advanced designs of magnetrons with improvement output characteristics. In: 2016 IEEE International Vacuum Electronics Conference, IVEC 2016 [Internet]; 2016. Available from: www.scopus.com DOI: 10.1109/IVEC.2016.7561984		
				15. Frolova T, Frolov A. Analysis of a solar simulator based on the electrodeless sulfur lamp for photovoltaic devices. Telecommun Radio Eng [Internet]. 2018;77(6):525-39. Available from: www.scopus.com		
				16. Frolova T, Frolov A. Solar simulator for photovoltaic devices based on the electrodeless sulfur lamp. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018. p. 785-9. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336316		
ЕЛБІ	БМІ	АВРУНІН ОЛЕГ ГРИГОРОВИЧ	15	1. Avrunin OG, Sakalo SN, Semenets VV. Development of up-to-date laboratory base for microprocessor systems investigation. In: КрбиМуКо 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2009. p. 301-2. Available from: www.scopus.com	10	Avrunin, Oleg G.; Tymkovych, Maksym Yu.; Pavlov, Sergii V.; Timchik, Sergii V.; Kisala, Piotr; Orakbaev, Yerbol; Classification of CT-brain slices based on local histograms; OPTICAL FIBERS AND THEIR APPLICATIONS 2015; 2015 9816 10.1117/12.2229040
				2. Saied HFI, Al-Omari AK, Avrunin OG. An attempt of the determination of aerodynamic characteristics of nasal airways; 2011. 311 p. Available from: www.scopus.com DOI: 10.1007/978-3-642-23154-4_35		Al Omari, Ahmad Khaleed; Saied, Husham Farouk Ismail; Avrunin, Olig Grigorovitch; Analysis of Changes of the Hydraulic Diameter and Determination of the Air Flow Modes in

					the Nasal Cavity; IMAGE PROCESSING AND COMMUNICATIONS CHALLENGES 3; 2011 102
				3. Al-Omari AK, Saied HFI, Avrunin OG. Analysis of changes of the hydraulic diameter and determination of the air flow modes in the nasal cavity; 2011. 303 p. Available from: www.scopus.com DOI: 10.1007/978-3-642-23154-4_34	Saied, Husham Farouk Ismail; Al Omari, Ahmad Khaleed; Avrunin, Olig Grigorovitch; An Attempt of the Determination of Aerodynamic Characteristics of Nasal Airways; IMAGE PROCESSING AND COMMUNICATIONS CHALLENGES 3; 2011 102
				4. Avrunin OG. Improving the reliability of rhinomanometry diagnostics by considering statistical characteristics of measured signals. Telecommun Radio Eng [Internet]. 2014;73(7):647-55. Available from: www.scopus.com	Avrunin, O. G.; Alkhorayef, M.; Saied, Husham Farouk Ismail; Tymkovych, M. Y.; The Surgical Navigation System with Optical Position Determination Technology and Sources of Errors; JOURNAL OF MEDICAL IMAGING AND HEALTH INFORMATICS; 2015 5 10.1166/jmih.2015.1444
				5. Avrunin OG, Alkhorayef M, Saied HFI, Tymkovych MY. The surgical navigation system with optical position determination technology and sources of errors. J Med Imaging Health Informatics [Internet]. 2015;5(4):689-96. Available from: www.scopus.com	Avrunin, Oleg G.; Nosova, Yana V.; Paliy, Victor G.; Shushlyapina, Natalia O.; Kalimoldayev, Maksat; Komada, Pawel; Sagymbekova, Azhan; Study of the air flow mode in the nasal cavity during a forced breath; PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH ENERGY PHYSICS EXPERIMENTS 2017; 2017 10445 10.1117/12.2280941
				6. Avrunin OG, Nosova YV, Shushlyapina NO, Surtel W, Burlibay A, Zhassandykyzy M. Method of expression of certain bacterial microflora mucosa olfactory area. In: Proceedings of SPIE - The	Tymkovych, Maksym Yu.; Avrunin, Oleg G.; Paliy, Victor G.; Filzow, Maksim; Gryshkov, Oleksandr; Glasmacher, Birgit; Omiotek, Zbigniew; Dzierzak, Roza; Smailova, Saule;

			International Society for Optical Engineering [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1117/12.2229074	Kozbekova, Ainur; Automated method for structural segmentation of nasal airways based on cone beam computed tomography; PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH ENERGY PHYSICS EXPERIMENTS 2017; 2017 10445 10.1117/12.2280922
			7. Avrunin OG, Tymkovich MY, Pavlov SV, Timchik SV, Kisała P, Orakbaev Y. Classification of CT-brain slices based on local histograms. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1117/12.2229040	Selivanova, Karina G.; Avrunin, Oleg G.; Zlepko, Sergii M.; Romanyuk, Sergii O.; Zabolotna, Natalia I.; Kotyra, Andrzej; Komada, Pawel; Smailova, Saule; Quality improvement of diagnosis of the electromyography data based on statistical characteristics of the measured signals; PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH-ENERGY PHYSICS EXPERIMENTS 2016; 2016 10031 10.1117/12.2248953
			8. Avrunin OG, Kukharenko DV, Romanyuk SO, Kalizhanova A, Toygozhinova A, Gromaszek K. Computer system for forecasting surgery on the eye muscles. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1117/12.2229033	Avrunin, Oleg; Tymkovich, Maksym; Drauil, Jahed; Automated Technique for Three-Dimensional Reconstruction of Cranial Implant Based on Symmetry; PROCEEDINGS OF 2015 INFORMATION TECHNOLOGIES IN INNOVATION BUSINESS CONFERENCE (ITIB); 2015
			9. Avrunin O, Tymkovich M, Drauil J. Automated technique for three-dimensional reconstruction of cranial implant based on symmetry. In: 2015 Information Technologies in Innovation Business Conference, ITIB 2015 - Proceedings [Internet];	Avrunin, Oleg G.; Nosova, Yana V.; Shushlyapina, Natalia O.; Surtel, Wojciech; Burlibay, Aron; Zhassandykyzy, Maral; Method of expression of certain bacterial microflora mucosa olfactory area; OPTICAL

			20152015. p. 39-42. Available from: www.scopus.com DOI: 10.1109/ITIB.2015.7355070		FIBERS AND THEIR APPLICATIONS 2015; 2015 9816 10.1117/12.2229074
			10. Selivanova KG, Avrunin OG, Zlepko SM, Romanyuk SO, Zabolotna NI, Kotyra A, Komada P, Smailova S. Quality improvement of diagnosis of the electromyography data based on statistical characteristics of the measured signals. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 20162016 Available from: www.scopus.com DOI: 10.1117/12.2248953		Avrunin, Oleg G.; Kukhareno, Dmitriy V.; Romanyuk, Sergii O.; Kalizhanova, Aliya; Toygozhinova, Aynur; Gromaszek, Konrad; Computer system for forecasting surgery on the eye muscles; OPTICAL FIBERS AND THEIR APPLICATIONS 2015; 2015 9816 10.1117/12.2229033
			11. Avrunin OG, Tymkovych MY, Moskovko SP, Romanyuk SO, Kotyra A, Smailova S. Using a priori data for segmentation anatomical structures of the brain. Prz Elektrotech [Internet]. 2017;93(5):102-5. Available from: www.scopus.com		
			12. Avrunin OG, Nosova YV, Paliy VG, Shushlyapina NO, Kalimoldayev M, Komada P, Sagymbekova A. Study of the air flow mode in the nasal cavity during a forced breath. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1117/12.2280941		
			13. Tymkovych MY, Avrunin OG, Paliy VG, Filzow M, Gryshkov O, Glasmacher B, Omiotek Z, Dzierlak R, Smailova S, Kozbekova A. Automated method for structural segmentation of nasal airways based on cone beam computed tomography. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1117/12.2280922		

				14. Avrunin OG, Nosova YV, Shuhlyapina NO, Zlepko SM, Tymchyk SV, Hotra O, Imanbek B, Kalizhanova A, Mussabekova A. Principles of computer planning in the functional nasal surgery. Prz Elektrotech [Internet]. 2017;93(3):140-3. Available from: www.scopus.com		
				15. Nosova YV, Faruk KI, Avrunin OG. A tool for researching respiratory and olfaction disorders. Telecommun Radio Eng [Internet]. 2018;77(15):1389-95. Available from: www.scopus.com		
ІК	ІМІ	ОМЕЛЬЧЕНКО АНАТОЛІЙ ВАСИЛЬОВИЧ	15	1. Fyodorov AV, Omelchenko AV. Experiment design at construction of signal identification performances. In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 2007. p. 354-5. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368745	4	Fedorov, Oleksii; Rubel, Andrii; Omelchenko, Anatolii; Detection of DCT Coefficient Modulation Schemes in JPEG Images; PROCEEDINGS OF THE 26TH INTERNATIONAL CONFERENCE RADIOELEKTRONIKA (RADIOELEKTRONIKA 2016); 2016
				2. Fedorov A, Omelchenko A. Test a hypothesis of a polynomial model order in design of an experiment tasks. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 2008. p. 47-9. Available from: www.scopus.com		Omelchenko, Anatolii V.; Fedorov, Oleksii V.; Polynomial Regression Coefficients Estimation in Finite Differences Space; 2015 25TH INTERNATIONAL CONFERENCE RADIOELEKTRONIKA (RADIOELEKTRONIKA); 2015
				3. Rozdymakha EA, Omelchenko AV, Fedorov AV. Estimation of mean queue length in a buffer of telecommunication equipment at serving fractal traffic. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2011. p. 497-8. Available from: www.scopus.com		Omelchenko, Anatolii V.; Rozdymakha, Eugene A.; Fedorov, Oleksii V.; Network Traffic Shaping Based on Prediction of Polynomial Trend Self-similar Time Series; 2015 25TH INTERNATIONAL CONFERENCE RADIOELEKTRONIKA (RADIOELEKTRONIKA); 2015

			4. Fedorov A, Omelchenko A. Decision rules of signals recognition comparison by results of statistical modelling. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 432. Available from: www.scopus.com		Fyodorov, A., V; Omelchenko, A., V; Experiment design at construction of signal identification performances; KPBIMUKO 2007CRIMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368745
			5. Rozdimakha E, Omelchenko A, Fedorov A. Estimation of a required size of a buffer of telecommunication equipment at serving fractal traffic. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 254. Available from: www.scopus.com		
			6. Omelchenko AV, Zanimonskiy YM, Vinnichenko AI, Kupko VS. Development of methods for data processing in a rise-and-fall gravimeter on the basis of polynomial models. In: TG-SMM 2013 - IAG Symposium on Terrestrial Gravimetry: Static and Mobile Measurements, Proceedings [Internet]; 20132013. p. 143-7. Available from: www.scopus.com		
			7. Fedorov AV, Omelchenko AV. Designing a polynomial regression experiment at researching into decision rules of signal recognition by modeling. In: Proceedings of the 2013 IEEE 7th International Conference on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS 2013 [Internet]; 20132013. p. 124-8. Available from: www.scopus.com DOI:		

				10.1109/IDAACS.2013.6662654		
				8. Rozdimakha EA, Omelchenko AV, Fedorov AV. Improvement to approaches to the problem of Ethernet networks traffic modeling. In: Proceedings of the 2013 IEEE 7th International Conference on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS 2013 [Internet]; 20132013. p. 129-32. Available from: www.scopus.com DOI: 10.1109/IDAACS.2013.6662655		
				9. Fedorov AV, Omelchenko AV. Speaker identification by characteristics of linear prediction residual. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 450-1. Available from: www.scopus.com		
				10. Omelchenko AV, Rozdimakha EA, Fedorov AV. Prediction of self-similar time series containing polynomial trends. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 456-7. Available from: www.scopus.com		
				11. Omelchenko AV, Fedorov OV. Polynomial regression coefficients estimation in finite differences space. In: Proceedings of 25th International Conference Radioelektronika, RADIOELEKTRONIKA 2015 [Internet]; 20152015. p. 257-60. Available from: www.scopus.com DOI: 10.1109/RADIOELEK.2015.7129024		

			<p>12. Omelchenko AV, Rozdymakha EA, Fedorovz OV. Network traffic shaping based on prediction of polynomial trend self-similar time series. In: Proceedings of 25th International Conference Radioelektronika, RADIOELEKTRONIKA 2015 [Internet]; 20152015. p. 450-2. Available from: www.scopus.com DOI: 10.1109/RADIOELEK.2015.7129059</p>		
			<p>13. Bolyukh V, Omelchenko A, Vinnichenko A. A ballistic laser gravimeter for a symmetrical measurement method with the inductive-dynamic catapult and auto-seismic vibration preventing. In: 4th IAG Symposium on Terrestrial Gravimetry: Static and Mobile Measurements, TG-SMM 2016 - Proceedings [Internet]; 20162016. p. 113-8. Available from: www.scopus.com</p>		
			<p>14. Fedorov O, Rubel A, Omelchenko A. Detection of DCT coefficient modulation schemes in JPEG images. In: 2016 26th International Conference Radioelektronika, RADIOELEKTRONIKA 2016 [Internet]; 20162016. p. 231-4. Available from: www.scopus.com DOI: 10.1109/RADIOELEK.2016.7477433</p>		
			<p>15. Bezruk V, Omelchenko A, Fedorov O, Mercorelli P, Hipólito JIN. Selection and recognition of statistically defined signals in learning systems. In: Proceedings: IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society [Internet]; 20182018. p. 3211-6. Available from: www.scopus.com DOI: 10.1109/IECON.2018.8591321</p>		

АКТ	ПЕЕА	ЗАЙЧЕНКО ОЛЬГА БОРИСІВНА	15	1. Volcov VM, Bortnik SA, Indina OB, Ogui AV. Microwave multimeter for the high level power control. In: CPEM Digest (Conference on Precision Electromagnetic Measurements) [Internet]; 19981998. p. 434. Available from: www.scopus.com	11	Liu, Chang; Panchenko, A. Y.; Slipchenko, N., I; Zaichenko, O. B.; Open type coaxial sensor. Integral equation of the electric field in the aperture plane; VISNYK NTUU KPI SERIIA-RADIOTEKHNIKA RADIOAPARATOBUDUVANNIA; 2017
				2. Volkov VM, Zalchenko OB, Oguy AV. Synthesis of algorithms for multiprobe microwave multi-meters. In: 2000 10th International Crimean Microwave Conference "Microwave and Telecommunication Technology", CriMico 2000 [Internet]; 20002000. p. 509-10. Available from: www.scopus.com DOI: 10.1109/CRMICO.2000.1256203		Liu, Chang; Zaichenko, O. B.; Panchenko, A. Yu; Slipchenko, N., I; Near-field open coaxial sensor. Measurement aperture spatial resolution ability evaluation; VISNYK NTUU KPI SERIIA-RADIOTEKHNIKA RADIOAPARATOBUDUVANNIA; 2017
				3. Volkov VM, Zaichenko OB, Oguy AV. Multiprobe microwave multimeter with absorbing wall sensors. In: CriMiCo 2001 - 11th International Conference [Internet]; 20012001. p. 561-3. Available from: www.scopus.com		Volkov, VM; Nikitenko, OM; Zaichenko, OB; Zharko, YG; Isichko, AL; Passing power sensors and multiprobe microwave multimeter on its base; PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH-ENERGY PHYSICS EXPERIMENTS IV; 2006 6159 10.1117/12.675048
				4. Volkov VM, Zaichenko OB. Frequency properties of multiprobe microwave multimeters. In: CriMiCo 2002 - 12th International Conference "Microwave and Telecommunication Technology", Conference Proceedings [Internet]; 20022002. p. 525-7. Available from: www.scopus.com DOI: 10.1109/CRMICO.2002.1137339		Volkov, V. M.; Zaichenko, O. B.; Errors of microwave multiprobe multimeter with equidistant and nonequidistant sensors; 2005 15th International Crimean Conference Microwave & Telecommunication Technology, Vols 1 and 2, Conference Proceedings; 2005
				5. Volkov VM, Zaichenko OB. Wideband multiprobe microwave multimeter. In: 4th International Conference on Antenna Theory and Techniques, ICATT 2003 [Internet]; 20032003. p. 754-6. Available from:		Volker, VM; Zaichenko, OB; Yevdokimov, VV; Multiprobe microwave multimeter error definition on its sensor error base; 5th International Conference on Antenna Theory

				www.scopus.com DOI: 10.1109/ICATT.2003.1238857		and Techniques, Proceedings; 2005 10.1109/ICATT.2005.1496997
				6. Zaichenko OB. Multiprobe microwave multimeter frequency properties. In: Fifth International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter, and Submillimeter Waves - Symposium Proceedings, MSMW'04 [Internet]; 20042004. p. 797-8. Available from: www.scopus.com		Volkov, VM; Zaichenko, OB; Multiprobe microwave multimeter functional design; MSMW'04: FIFTH INTERNATIONAL KHARKOV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER, AND SUBMILLIMETER WAVES, SYMPOSIUM PROCEEDINGS, VOLS 1 AND 2; 2004 10.1109/MSMW.2004.1346140
				7. Zaichenko OB. Multiprobe microwave multimeter error estimation a priori. In: Fifth International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter, and Submillimeter Waves - Symposium Proceedings, MSMW'04 [Internet]; 20042004. p. 795-6. Available from: www.scopus.com		Zaichenko, OB; Multiprobe microwave multimeter error estimation a priori; MSMW'04: FIFTH INTERNATIONAL KHARKOV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER, AND SUBMILLIMETER WAVES, SYMPOSIUM PROCEEDINGS, VOLS 1 AND 2; 2004 10.1109/MSMW.2004.1346158
				8. Volkov VM, Zaichenko OB. Multiprobe microwave multimeter functional design. In: Fifth International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter, and Submillimeter Waves - Symposium Proceedings, MSMW'04 [Internet]; 20042004. p. 771-2. Available from: www.scopus.com		Zaichenko, OB; Multiprobe microwave multimeter frequency properties; MSMW'04: FIFTH INTERNATIONAL KHARKOV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER, AND SUBMILLIMETER WAVES, SYMPOSIUM PROCEEDINGS, VOLS 1 AND 2; 2004 10.1109/MSMW.2004.1346161

			9. Volkov VM, Zaichenko OB. Errors of microwave multiprobe multimeter with equidistant and nonequidistant sensors. In: 2005 15th International Crimean Conference Microwave and Telecommunication Technology, CriMiCo'2005 - Conference Proceedings [Internet]; 2005. p. 747-8. Available from: www.scopus.com DOI: 10.1109/CRMICO.2005.1565120	Volkov, VM; Zaichenko, OB; Wideband multiprobe microwave multimeter; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003
			10. Volkov VM, Zaichenko OB, Yevdokimov VV. Multiprobe microwave multimeter error definition on its sensor error base. In: 5th International Conference on Antenna Theory and Techniques, 2005 [Internet]; 2005. p. 408-10. Available from: www.scopus.com DOI: 10.1109/ICATT.2005.1496997	Volkov, VM; Zaichenko, OB; Frequency properties of multiprobe microwave multimeters; 12TH INTERNATIONAL CONFERENCE - MICROWAVE & TELECOMMUNICATION TECHNOLOGY, CONFERENCE PROCEEDINGS; 2002 10.1109/CRMICO.2002.1137339
			11. Volkov VM, Nikitenko OM, Zaichenko OB, Zharko YG, Isichko AL. Passing power sensors and multiprobe microwave multimeter on its base. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 2006. Available from: www.scopus.com DOI: 10.1117/12.675048	Volkov, VM; Zaichenko, OB; OGuy, AV; Multiprobe microwave multimeter with absorbing wall sensors; 11TH INTERNATIONAL CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, CONFERENCE PROCEEDINGS; 2001 10.1109/CRMICO.2001.961669
			12. Volkov VM, Zaichenko OB. Identification of sensor transformation coefficient of multiprobe microwave multimeter. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2008. p. 702-3. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676564	

				13. Volkov VM, Zaichenko OB. Metrological characteristics of microwave multiprobe multimeter. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 752-3. Available from: www.scopus.com		
				14. Vasylyev IV, Zherdev AV, Zaichenko OB, Kalyapin YV, Kluchnik II, Panchenko AY, Radeiko BM. Specialized multiprobe multimeters in technological high power microwave plants. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 927-8. Available from: www.scopus.com		
				15. Zaichenko OB, Klyuchnik II, Miroschnik MA, Tzekhmistro RI. The comparative analysis of a multiprobe microwave multimeters with involvement of processing by the kalman filtering and the least-squares methods with regard for re-reflection of probes. Telecommun Radio Eng [Internet]. 2015;74(1):79-86. Available from: www.scopus.com		
КН	СТ	ГРЕБЕННИК ІГОР ВАЛЕРІЙОВИ Ч	15	1. Yakovlev SV, Grebennik IV. Localization of solutions of some problems of nonlinear integer optimization. Cybern Syst Anal [Internet]. 1993;29(5):727-34. Available from: www.scopus.com	4	Grebennik, I. V.; Kovalenko, A. A.; Romanova, T. E.; Urniaieva, I. A.; Shekhovtsov, S. B.; Combinatorial Configurations in Balance Layout Optimization Problems; CYBERNETICS AND SYSTEMS ANALYSIS; 2018 54 10.1007/s10559-018-0023-2

			2. Yakovlev SV, Grebennik IV. Localization of solutions of some nonlinear integer problems of optimization. Kiber i Sist Anal [Internet]. 1993(5):116-24. Available from: www.scopus.com		Grebennik, I. V.; Chorna, O. S.; INFLUENCE OF CERTAIN TRANSPOSITIONS ON THE CYCLIC STRUCTURE OF PERMUTATIONS; CYBERNETICS AND SYSTEMS ANALYSIS; 2015 51 10.1007/s10559-015-9787-9
			3. Grebennik IV, Yevseyeva LG, Romanova TE. Modeling of interaction of the n-D spheres within interval spaces. Telecommun Radio Eng [Internet]. 2007;66(3):273-81. Available from: www.scopus.com		Stoyan, Yuri G.; Grebennik, Igor V.; Kalashnikov, Viacheslav V.; Lytvynenko, Oleksandr S.; Enumeration and Generation of Permutations with a Partially Fixed Order of Elements; INTERNATIONAL JOURNAL OF COMBINATORIAL OPTIMIZATION PROBLEMS AND INFORMATICS; 2017 8
			4. Grebennik IV, Romanova TE, Shekhovtsov SB. Interval estimation of alternatives in decision-making problems. Cybern Syst Anal [Internet]. 2009;45(2):253-62. Available from: www.scopus.com		Grebennik, I. V.; Chorna, O. S.; SPECIAL TRANSPOSITIONS OF PERMUTATION ELEMENTS AND PROPERTIES OF THEIR COMPOSITION; CYBERNETICS AND SYSTEMS ANALYSIS; 2017 53 10.1007/s10559-017-9907-9
			5. Grebennik IV, Pankratov AV, Chugay AM, Baranov AV. Packing n-dimensional parallelepipeds with the feasibility of changing their orthogonal orientation in an n-dimensional parallelepiped. Cybern Syst Anal [Internet]. 2010;46(5):793-802. Available from: www.scopus.com		
			6. Grebennik IV. Description and generation of permutations containing cycles. Cybern Syst Anal [Internet]. 2010;46(6):945-52. Available from: www.scopus.com		

				7. Grebennik IV, Lytvynenko OS. Generating combinatorial sets with given properties. Cybern Syst Anal [Internet]. 2012;48(6):890-8. Available from: www.scopus.com		
				8. Grebennik IV, Chorna OS. Influence of certain transpositions on the cyclic structure of permutations. Cybern Syst Anal [Internet]. 2015;51(6):947-55. Available from: www.scopus.com		
				9. Dupas R, Grebennik I, Lytvynenko O. Combinatorial mathematical model and decision strategy for one-to-one pickup and delivery problem with 3D loading constraints. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 2015:2015. p. 133-5. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325450		
				10. Lytvynenko O, Baranov O, Dupas R, Grebennik I. Three-dimensional one- To-one pickup and delivery routing problem with loading constraints. In: ILS 2016 - 6th International Conference on Information Systems, Logistics and Supply Chain [Internet]; 2016:2016 Available from: www.scopus.com		
				11. Grebennik IV, Chorna OS. Special transpositions of permutation elements and properties of their composition. Cybern Syst Anal [Internet]. 2017;53(1):67-77. Available from: www.scopus.com		
				12. Grebennik I, Dupas R, Lytvynenko O, Urniaieva I. Scheduling freight trains in rail-rail transshipment yards with train arrangements. Int J Intell Syst Appl [Internet]. 2017;9(10):12-9. Available from: www.scopus.com		

				13. Grebennik I, Romanova T, Urniaieva I, Shekhovtsov S. Mathematical model of balanced layout problem using combinatorial configurations. In: CEUR Workshop Proceedings [Internet]; 2018. p. 18-21. Available from: www.scopus.com		
				14. Urniaieva I, Grebennik I, Romanova T, Pankratov A, Kovalenko A. Muticriteria model of balanced layout problem of 3D-objects. In: CEUR Workshop Proceedings [Internet]; 2018. p. 22-5. Available from: www.scopus.com		
				15. Grebennik IV, Kovalenko AA, Romanova TE, Urniaieva IA, Shekhovtsov SB. Combinatorial configurations in balance layout optimization problems. Cybern Syst Anal [Internet]. 2018;54(2):221-31. Available from: www.scopus.com		
АКТ	ФІЗ	КОЗАРЬ АНАТОЛІЙ ІВАНОВИЧ	15	1. Kozar AI. Scattering of electromagnetic fields on complex spatial lattices of magnetodielectric spheres. In: 4th International Conference on Antenna Theory and Techniques, ICATT 2003 [Internet]; 2003. p. 145-8. Available from: www.scopus.com DOI: 10.1109/ICATT.2003.1239170	3	Kozar, A. I.; Resonance degenerate plane lattice of magnetodielectric spheres with a hole; 2007 6TH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, PROCEEDINGS; 2007 10.1109/ICATT.2007.4425130
				2. Kozar AI. Figurate numbers (arithmetic progression) and electromagnetic wave scattering on spatial lattices of resonant magnetodielectric spheres. Telecommun Radio Eng [Internet]. 2003;59(7-9):22-32. Available from: www.scopus.com		Kozar, AI; Resonant grating of magnetodielectric spheres; 5th International Conference on Antenna Theory and Techniques, Proceedings; 2005 10.1109/ICATT.2005.1497006
				3. Kozar AI. Electromagnetic wave scattering in a waveguide containing homogeneous magnetodielectric spheres. Telecommun Radio Eng [Internet]. 2003;60(7-9):11-22. Available from: www.scopus.com		Kozar, AI; Scattering of electromagnetic fields on complex spatial lattices of magnetodielectric spheres; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003

				4. Kozar AI. Structure functions of electromagnetic field coupling in a cavity filled by resonance-size magnetodielectric spheres. Telecommun Radio Eng [Internet]. 2004;61(2-6):363-81. Available from: www.scopus.com		
				5. Kozar AI. Resonant grating of magnetodielectric spheres. In: 5th International Conference on Antenna Theory and Techniques, 2005 [Internet]; 20052005. p. 433-6. Available from: www.scopus.com DOI: 10.1109/ICATT.2005.1497006		
				6. Kozar AI. Structural function development for electromagnetic interactions in the system of multiple resonant magnetodielectric spheres. Telecommun Radio Eng [Internet]. 2005;63(7):589-605. Available from: www.scopus.com		
				7. Kozar AI. Structural functions of electromagnetic coupling of the magnetodielectric sphere resonance grating. In: 2006 16th International Crimean Microwave and Telecommunication Technology, CriMiCo [Internet]; 20062006. p. 621-2. Available from: www.scopus.com DOI: 10.1109/CRMICO.2006.256130		
				8. Kozar AI. Resonance degenerate plane lattice of magnetodielectric spheres with a hole. In: 2007 6th International Conference on Antenna Theory and Techniques, ICATT'07 [Internet]; 20072007. p. 119-21. Available from: www.scopus.com DOI: 10.1109/ICATT.2007.4425130		
				9. Kozar AI. Influence of defects on scattering properties of the resonant magnetodielectric spherical crystal. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference		

				Proceedings [Internet]; 2008. p. 560-1. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676503		
				10. Kozar AI. Resonance cubic lattice of spherical air-filled bubbles located in magnetodielectric medium. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2010. p. 737-8. Available from: www.scopus.com		
				11. Kozar AI. Resonance degenerate cubic crystal made of spheres located in a magnetodielectric medium. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2011. p. 719-20. Available from: www.scopus.com		
				12. Kozar AI. Structural functions of electromagnetic coupling of the magnetodielectric sphere resonance crystal. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2012. p. 591-2. Available from: www.scopus.com		
				13. Kozar AI. Electromagnetic lattice "invisibility" of the resonance cubic crystal made of magnetodielectric spheres. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 2013. p. 199-201. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650724		

				14. Kozar AI. Electromagnetic lattice 'invisibility' of the resonance crystal made of magnetodielectric spheres. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 776-7. Available from: www.scopus.com		
				15. Kozar AI. Electromagnetic lattice "invisibility" of the resonance cubic crystal made of magnetodielectric spheres. Telecommun Radio Eng [Internet]. 2018;77(2):155-60. Available from: www.scopus.com		
КІУ	АПОР	ЄМЕЛ'ЯНОВ	14	1. Afolabi D, Man KL, Liang H-, Lim EG, Shen Z, Lei C-, Krilavicius T, Yang Y, Cheng L, Hahanov V, Yemelyanov I. A WSN approach to unmanned aerial surveillance of traffic anomalies: Some challenges and potential solutions. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 20132013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673163	12	Hahanova, Yulia; Yemelyanov, Igor; Hahanova, Anna; Obrizan, Volodymyr; Krulevska, Daria; Skorobogatiy, Mikhail; Metric for Analyzing Big Data; PROCEEDINGS OF XIIIITH INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015
		ІГОР		2. Hahanova I, Emelyanov I, Amer TB. Qubit modeling digital systems. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2014 [Internet]; 20142014 Available from: www.scopus.com DOI: 10.1109/EWDTs.2014.7027109		Hahanov, Vladimir; Yemelyanov, Igor; Obrizan, Volodymyr; Hahanov, Ivan; Quantum Diagnosis and Simulation of SoC; 2015 XI INTERNATIONAL CONFERENCE ON PERSPECTIVE TECHNOLOGIES AND METHODS IN MEMS DESIGN (MEMSTECH); 2015
		ВАЛЕРІЙОВИ				
		Ч				
				3. Gaievskiy I, Iemelianov I. Color-change synthetic cubic zirconia as peridot imitation. Gems Gemol [Internet]. 2015;51(3) Available from: www.scopus.com		Hahanova, Irina; Emelyanov, Igor; Amer, Tamer Bani; Qubit Modeling Digital Systems; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2014

			4. Hahanova Y, Yemelyanov I, Hahanova A, Obrizan V, Krulevska D, Skorobogatiy M. Metric for analyzing big data. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 2015. p. 81-3. Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230801	Hahanov, Ivan; Chumachenko, Svetlana; Iemelianov, Igor; Hahanov, Vladimir; Deductive Qubit Fault Simulation; 2017 14TH INTERNATIONAL CONFERENCE: THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM); 2017
			5. Hahanov V, Yemelyanov I, Obrizan V, Hahanov I. "Quantum" diagnosis and simulation of SoC. In: Perspective Technologies and Methods in MEMS Design, MEMSTECH 2015 - Proceedings of 11th International Conference [Internet]; 2015. p. 58-60. Available from: www.scopus.com	Gaievskiy, Iurii; Iemelianov, Igor; Unusual inclusions in green synthetic sapphire; GEMS & GEMOLOGY; 2017 53
			6. Soklakova T, Iemelianov I, Amer TB, Hahanov I. Technological Culture of Big Data. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 2016. p. 549-52. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452111	Hahanov, Vladimir; Iemelianov, Igor; Chumachenko, Svetlana; Hahanov, Ivan; Hahanova, Irina; Quantum Sequencer for the Minimal Test Synthesis of Black-box Functionality; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2017
			7. Hahanov V, Shcherbin D, Gharibi W, Iemelianov I. «Quantum» processor for digital systems analysis. In: Proceedings of 2015 IEEE East-West Design and Test Symposium, EWDTS 2015 [Internet]; 2016. Available from: www.scopus.com DOI: 10.1109/EWDTS.2015.7493179	Hahanov, Ivan; Iemelianov, Igor; Gharibi, Wajeb; Amer, Tamer Bani; QuaSim - Cloud Service for Digital Circuits Simulation; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2016
			8. Hahanov I, Iemelianov I, Gharibi W, Amer TB. QuaSim - Cloud service for digital circuits simulation. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTS 2016 [Internet]; 2017. Available from: www.scopus.com DOI: 10.1109/EWDTS.2016.7807667	Soklakova, Tetiana; Iemelianov, Igor; Amer, Tamer Bani; Hahanov, Ivan; Technological Culture of Big Data; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS

					AND COMPUTER SCIENCE (TCSET); 2016
				9. Hahanov I, Chumachenko S, Iemelianov I, Hahanov V, Larchenko L, Daniyil T. Deductive qubit fault simulation. In: 2017 14th International Conference The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 2017. p. 256-9. Available from: www.scopus.com DOI: 10.1109/CADSM.2017.7916129	Gaievskiy, Iurii; Iemelianov, Igor; Color-change synthetic cubic zirconia as peridot imitation.; GEMS & GEMOLOGY; 2015 51
				10. Hahanov V, Iemelianov I, Chumachenko S, Hahanov I, Hahanova I. Quantum sequencer for the minimal test synthesis of black-box functionality. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTS 2017 [Internet]; 2017. Available from: www.scopus.com DOI: 10.1109/EWDTS.2017.8110148	Hahanov, Vladimir; Gharibi, Wajeb; Shcherbin, Dmitry; Iemelianov, Igor; Quantum Processor for Digital Systems Analysis; PROCEEDINGS OF 2015 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2015
				11. Hahanov I, Iemelianov I, Liubarskiy M, Hahanov V. Qubit description of functions and structures for service computing synthesis In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 71-93. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_4	Gaievskiy, Iurii; Iemelianov, Igor; Belichenko, Elena; Unusual optical effect in blue sapphire; GEMS & GEMOLOGY; 2014 50
				12. Hahanov V, Amer TB, Iemelianov I, Liubarskiy M. Quantum computing for test synthesis In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 95-134. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_5	Gaievskiy, Iurii; Iemelianov, Igor; Black cassiterite; GEMS & GEMOLOGY; 2012 48

				13. Hahanov I, Amer TB, Iemelianov I, Liubarskyi M, Hahanov V. QuaSim cloud service for quantum circuit simulation In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 135-47. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_6		
				14. Hahanov V, Gharibi W, Man KL, Iemelianov I, Liubarskyi M, Abdullayev V, Litvinova E, Chumachenko S. Cyber-physical technologies: Hype cycle 2017 In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 259-72. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_14		
ЕЛБІ	БМІ	МУЗИКА КАТЕРИНА МИКОЛАЇВН А	14	1. Muzyka YN, Rozhytsky NN. Simulation of physical processes in flow-injection system with electrochemiluminescent detector. Telecommun Radio Eng [Internet]. 2007;66(10):925-31. Available from: www.scopus.com	14	Muzyka, Kateryna; Current trends in the development of the electrochemiluminescent immunosensors; BIOSENSORS & BIOELECTRONICS; 2014 54 10.1016/j.bios.2013.11.011
				2. Muzyka K, Rozhitskii M. An approach to optimize the design of microfluidic chips for electrophoretic separations. Microchim Acta [Internet]. 2009;164(3-4):257-62. Available from: www.scopus.com		Muzyka, Kateryna; Saqib, Muhammad; Liu, Zhongyuan; Zhang, Wei; Xu, Guobao; Progress and challenges in electrochemiluminescent aptasensors; BIOSENSORS & BIOELECTRONICS; 2017 92 10.1016/j.bios.2017.01.015
				3. Muzyka EN, Rozhitskii NN. Systems of capillary electrophoresis in electrochemiluminescence analysis. J Anal Chem [Internet]. 2010;65(6):550-64. Available from: www.scopus.com		Gao, Wenyue; Wang, Chao; Muzyka, Kateryna; Kitte, Shimeles Addisu; Li, Jianping; Zhang, Wei; Xu, Guobao; Artemisinin-Luminol Chemiluminescence for Forensic Bloodstain Detection Using a Smart Phone as a Detector; ANALYTICAL CHEMISTRY; 2017 89 10.1021/acs.analchem.7b01000

			4. Muzyka KM, Rozhitskii MM. Microfluidic Electrochemiluminescent detection devices with capillary electrophoresis In: Microfluidics: Theory and Applications. [Internet]. ; 2011 p. 103-34. Available from: www.scopus.com	Muzyka, Kateryna; Karim, Khalku; Guerreiro, Antonio; Poma, Alessandro; Piletsky, Sergey; Optimisation of the synthesis of vancomycin-selective molecularly imprinted polymer nanoparticles using automatic photoreactor; NANOSCALE RESEARCH LETTERS; 2014 9 10.1186/1556-276X-9-154
			5. Muzyka K, Matviykyv O. Numerical experiment for albumin bounded bilirubin separation in microfluidic chip. In: Procedia Engineering [Internet]; 2012 2012. p. 1358-61. Available from: www.scopus.com DOI: 10.1016/j.proeng.2012.09.408	Muzyka, Katerina; Rozhitskii, Mykola; An approach to optimize the design of microfluidic chips for electrophoretic separations; MICROCHIMICA ACTA; 2009 164 10.1007/s00604-008-0071-9
			6. Muzyka K, Karim K, Guerreiro A, Poma A, Piletsky S. Optimisation of the synthesis of vancomycinselective molecularly imprinted polymer nanoparticles using automatic photoreactor. Nanoscale Res Lett [Internet]. 2014;9(1):1-7. Available from: www.scopus.com	Gao, Wenyue; Muzyka, Kateryna; Ma, Xiangui; Lou, Baohua; Xu, Guobao; A single-electrode electrochemical system for multiplex electrochemiluminescence analysis based on a resistance induced potential difference; CHEMICAL SCIENCE; 2018 9 10.1039/c8sc00410b
			7. Muzyka K. Current trends in the development of the electrochemiluminescent immunosensors. Biosens Bioelectron [Internet]. 2014;54:393-407. Available from: www.scopus.com	Majeed, Saadat; Gao, Wenyue; Zholudov, Yuriy; Muzyka, Kateryna; Xu, Guobao; Electrochemiluminescence of Acridines; ELECTROANALYSIS; 2016 28 10.1002/elan.201600209
			8. Muzyka KM. Theoretical study of energy characteristics of "artificial receptor" on melamine in pre-polymerization phase. J Nano Electron Phys [Internet]. 2015;7(1) Available from: www.scopus.com	Muzyka, K. M.; Theoretical Study of Energy Characteristics of Artificial Receptor on Melamine in Pre-Polymerization Phase; JOURNAL OF NANO- AND ELECTRONIC PHYSICS; 2015 7

			9. Majeed S, Gao W, Zholudov Y, Muzyka K, Xu G. Electrochemiluminescence of acridines. <i>Electroanalysis</i> [Internet]. 2016;28(11):2672-9. Available from: www.scopus.com	Muzyka, Kateryna; Bilash, Olena; Zholudov, Yuriy; Kukoba, Anatoly; Rozhitskii, Mykola; Electrochemiluminescent determination of free unconjugated bilirubin in aquatic solution; LUMINESCENCE; 2012 27
			10. Gao W, Wang C, Muzyka K, Kitte SA, Li J, Zhang W, Xu G. Artemisinin-luminol chemiluminescence for forensic bloodstain detection using a smart phone as a detector. <i>Anal Chem</i> [Internet]. 2017;89(11):6160-5. Available from: www.scopus.com	Muzyka, K. M.; Rozhitskii, M. M.; MICROFLUIDIC ELECTRO-CHEMILUMINESCENT DETECTION DEVICES WITH CAPILLARY ELECTROPHORESIS; MICROFLUIDICS: THEORY AND APPLICATIONS; 2010
			11. Muzyka K, Saqib M, Liu Z, Zhang W, Xu G. Progress and challenges in electrochemiluminescent aptasensors. <i>Biosens Bioelectron</i> [Internet]. 2017;92:241-58. Available from: www.scopus.com	Muzyka, Kateryna; Sun, Jianrui; Fereja, Tadesse Haile; Lan, Yixiang; Zhang, Wei; Xu, Guobao; Boron-doped diamond: current progress and challenges in view of electroanalytical applications; ANALYTICAL METHODS; 2019 11 10.1039/c8ay02197j
			12. Snizhko D, Bani-Khaled G, Muzyka K, Xu G. Apparatus "Spark" for luminescent and electrochemiluminescent measurements. <i>Prz Elektrotech</i> [Internet]. 2018;94(6):38-42. Available from: www.scopus.com	Snizhko, Dmytro; Bani-Khaled, Ghazi; Muzyka, Kateryna; Xu, Guobao; Apparatus Spark for luminescent and electrochemiluminescent measurements; PRZEGLAD ELEKTROTECHNICZNY; 2018 94 10.15199/48.2018.06.07
			13. Gao W, Muzyka K, Ma X, Lou B, Xu G. A single-electrode electrochemical system for multiplex electrochemiluminescence analysis based on a resistance induced potential difference. <i>Chem Sci</i> [Internet]. 2018;9(16):3911-6. Available from: www.scopus.com	Muzyka, K.; Matviykyiv, O.; Numerical Experiment for Albumin Bounded Bilirubin Separation in Microfluidic Chip; 26TH EUROPEAN CONFERENCE ON SOLID-STATE TRANSDUCERS, EUROSSENSOR 2012; 2012 47 10.1016/j.proeng.2012.09.408

				14. Muzyka K, Sun J, Fereja TH, Lan Y, Zhang W, Xu G. Boron-doped diamond: Current progress and challenges in view of electroanalytical applications. Anal Methods [Internet]. 2019;11(4):397-414. Available from: www.scopus.com		Bilash, O. M.; Muzyka, K. M.; Zholudov, Y. T.; Rozhitskii, M. M.; Electrochemiluminescent determination of bile pigments at testing of neonatal hyperbilirubinemia; LUMINESCENCE; 2010 25
IK	IKI	ЄВДОКИМЕН КО МАРИНА ОЛЕКСАНДРІ ВНА	14	1. Gogolieva M, Yevsyeyeva O. Flow based mathematical models at multipath routing. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 72. Available from: www.scopus.com	5	Yeremenko, Oleksandra; Yevdokymenko, Maryna; Persikov, Anatoliy; Flow-Aware Approach of Evaluating Probability of Compromise in Combined Structure Network; 2017 2ND IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION AND COMMUNICATION TECHNOLOGIES-2017 (AICT 2017); 2017
				2. Gogolieva M. Mathematical model of distribution of frequency channels in multichannel mesh-networks. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 31. Available from: www.scopus.com		Yevdokymenko, Maryna; An Adaptive Algorithm for Detecting and Preventing Attacks in Telecommunication Networks; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
				3. Gogolieva M, Garkusha S, Abed AH. A mathematical model of channel distribution in multichannel mesh networks 802.11. In: 2011 11th International Conference - The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2011 [Internet]; 20112011. p. 71-3. Available from: www.scopus.com		Lemeshko, Oleksandr; Yeremenko, Oleksandra; Yevdokymenko, Maryna; Tensor Model of Fault-Tolerant QoS Routing with Support of Bandwidth and Delay Protection; 2018 IEEE 13TH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE ON COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT), VOL 1; 2018

			4. Garkusha S, Ievdokymenko M. Classification and analysis of methods of the distribution channels in multichannel mesh networks IEEE 802.11. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 273-4.Available from: www.scopus.com		Lemeshko, Oleksandr; Al-Dulaimi, Aymen M. K.; Yeremenko, Oleksandra; Yevdokymenko, Maryna; Comparative Analysis of Solutions for Management of Time-Frequency Resource in LTE Downlink; PROCEEDINGS OF THE 2018 IEEE 4TH INTERNATIONAL SYMPOSIUM ON WIRELESS SYSTEMS WITHIN THE INTERNATIONAL CONFERENCES ON INTELLIGENT DATA ACQUISITION AND ADVANCED COMPUTING SYSTEMS (IDAACS-SWS); 2018
			5. Harkusha S, Harkusha O, Ievdokymenko M. Development results the model distribution of troughput in the WiMAX mesh-network. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 181-4.Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357307		Yevdokymenko, Maryna; Mohamed, Elsayed; Arinze, Paul Onwuakpa; Ethical Hacking and Penetration Testing Using Raspberry PI; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
			6. Harkusha S, Harkusha O, Ievdokymenko M. Hypergraph representations of topological model mesh-network IEEE 802.11. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 876-8.Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452212		
			7. Yevdokymenko M. An adaptive algorithm for detecting and preventing attacks in telecommunication networks. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science		

			and Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 175-7. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905373		
			8. Yeremenko O, Yevdokymenko M, Persikov A. Flow-aware approach of evaluating probability of compromise in combined structure network. In: 2nd International Conference on Advanced Information and Communication Technologies, AICT 2017 - Proceedings [Internet]; 20172017. p. 258-61. Available from: www.scopus.com DOI: 10.1109/AIACT.2017.8020114		
			9. Lemeshko O, Yevdokymenko M, Alsaleem NYA. Development of the tensor model of multipath QoE-routing in an infocommunication network with providing the required quality rating. East -Eur J Enterp Technol [Internet]. 2018;5(2):40-6. Available from: www.scopus.com		
			10. Yevdokymenko M, Manasse M, Zalushniy D, Sleiman B. Analysis of methods for assessing the reliability and security of infocommunication network. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 199-202. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246379		
			11. Yevdokymenko M, Mohamed E, Onwuakpa P. Ethical hacking and penetration testing using raspberry PI. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings		

				[Internet]; 20182018. p. 179-81.Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246375		
				12. Lemeshko O, Yevsieieva O, Yevdokymenko M. Tensor flow-based model of quality of experience routing. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 1005-8.Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336364		
				13. Lemeshko O, Al-Dulaimi AMK, Yeremenko O, Yevdokymenko M. Comparative analysis of solutions for management of time-frequency resource in LTE Downlink. In: Proceedings of the 2018 IEEE 4th International Symposium on Wireless Systems within the International Conferences on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS-SWS 2018 [Internet]; 20182018. p. 108- 11.Available from: www.scopus.com DOI: 10.1109/IDAACS-SWS.2018.8525626		
				14. Lemeshko O, Yeremenko O, Yevdokymenko M. Tensor model of fault-tolerant QoS routing with support of bandwidth and delay protection. In: 2018 IEEE 13th International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2018 - Proceedings [Internet]; 20182018. p. 135- 8.Available from: www.scopus.com DOI: 10.1109/STC- CSIT.2018.8526707		

IPT3I	MTC	ОБОД ІВАН ІВАНОВИЧ	14	1. Obod II. SEMICONDUCTOR PENTODE SQUARE PULSE GENERATOR WITH HIGH DUTY RATIO. Telecommun Radio Eng [Internet]. 1980;34-35(5):96-7. Available from: www.scopus.com	2	Svyd, Iryna; Obod, Ivan; Maltsev, Oleksandr; Vorgul, Oleksandr; Zavolodko, Ganna; Goriushkina, Alla; Noise Immunity of Data Transfer Channels in Cooperative Observation Systems: Comparative Analysis; 2018 INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE: PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2018
				2. Obod II. ADJUSTABLE RECTANGULAR PULSE GENERATOR USING A SEMICONDUCTOR PENTODE. Instrum Exp Tech [Internet]. 1980;23(6 pt 1):1413-5. Available from: www.scopus.com		Obod, Ivan; Svyd, Iryna; Maltsev, Oleksandr; Vorgul, Oleksandr; Maistrenko, Galyna; Zavolodko, Ganna; Optimization of Data Transfer in Cooperative Surveillance Systems; 2018 INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE: PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2018
				3. Obod II. STAIRCASE VOLTAGE GENERATOR CONSTRUCTED FROM UNIJUNCTION TRANSISTOR ANALOGUES. Telecommun Radio Eng [Internet]. 1980;34-35(10):124-5. Available from: www.scopus.com		
				4. Obod II. SAWTOOTH-PULSE GENERATORS BASED ON SEMICONDUCTOR PENTODES. Instrum Exp Tech [Internet]. 1981;24(1 pt 1):133-5. Available from: www.scopus.com		
				5. Obod II. CONTROLLABLE STAIRCASE VOLTAGE GENERATOR USING SEMICONDUCTOR PENTODES. Instrum Exp Tech [Internet]. 1981;24(5 pt 2):1218-20. Available from: www.scopus.com		

			6. Slepov LI, Obod II, Kutovoi IV. CONTROLLED SEMICONDUCTOR PENTODE GENERATOR. Telecommun Radio Eng [Internet]. 1981;35-36(4):102-203. Available from: www.scopus.com		
			7. Obod II. PULSE GENERATOR USING SINGLE-JUNCTION TRANSISTORS. Instrum Exp Tech [Internet]. 1982;25(2 pt 1):378-9. Available from: www.scopus.com		
			8. Obod II, Kutovoi IV. PULSE GENERATORS USING FIELD-EFFECT AND BIPOLAR TRANSISTORS. Instrum Exp Tech [Internet]. 1982;25(2 pt 1):379-81. Available from: www.scopus.com		
			9. Obod II. Controlled pulse generator. Meas Tech [Internet]. 1982;25(3):265-6. Available from: www.scopus.com		
			10. Obod II. CONTROLLED SEMICONDUCTOR PENTODE PULSE AMPLITUDE DISCRIMINATORS. In: Telecommunications and Radio Engineering (English translation of Elektrosvyaz and Radiotekhnika) [Internet]; 19821982. p. 102-3. Available from: www.scopus.com		
			11. Obod II. MULTIVIBRATORS WITH UNIJUNCTION TRANSISTORS. Instrum Exp Tech [Internet]. 1983;26(3 pt 1):596-8. Available from: www.scopus.com		
			12. Obod II. Integrated coordinate-and-time support for the address inquiry in the secondary radar systems. Telecommun Radio Eng [Internet]. 1999;53(3):54-6. Available from: www.scopus.com		

				13. Svyd IV, Obod II, Zavolodko GE, Maltsev OS. Interference immunity of aircraft responders in secondary surveillance radars. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 1174-8. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336404		
				14. Strelnitskiy AA, Gavva DS, Aliksieiev VO, Obod II, Zavolodko GE. Improvement of information protection quality of systems for observing airspace. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 524-8. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336256		
	Науков	БАБКІН	14	1. Babkin SI, Miloserdova GN, Orlov MY, Pakhomov	5	BABKIN, SI; PROSHKIN, EG; ULYANOV,
	о	СТАНІСЛАВ		YI, Proshkin EG, Ul'yanov YN, Yurchak BS.		YN; EXPERIMENTAL RESULTS OF
	дослід	ІВАНОВИЧ		DETERMINATION OF TEMPERATURE AND WIND		TEMPERATURE-WIND ATMOSPHERIC
	ний			SPEED AND DIRECTION IN THE ATMOSPHERIC		SOUNDING BY THE RADIOACOUSTIC
	центр			BOUNDARY LAYER BY THE RADIOACOUSTIC		METHOD; IZVESTIYA AKADEMII NAUK
	інтегро			SOUNDING METHOD. Sov Meteorol Hydrol		SSSR FIZIKA ATMOSFERY I OKEANA;
	ваних			[Internet]. 1980(8):27-34. Available from:		1984 20
	інформ			www.scopus.com		
	аційни					
	х					
	радіоел					
	ектрон					
	них					
	систем					
	та					
	технол					

	орій				
				2. Babkin SI, Proshkin EG, Ul'yanov YN. Experimental results of temperature-wind sounding of the atmosphere by the radar-acoustic method. Izv Akad Nauk SSSR Fiz Atmos Okeana [Internet]. 1984;20(6):495-500. Available from: www.scopus.com	Babkin, S. I.; Tolstykh, Y. G.; ANTENNA DEVICE FOR RADIO ACOUSTIC SENSING WITH PASSIVE RADIOLOCATION; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
				3. Babkin SI, Delov IA, Proshkin G. Equipment complex for combined sounding of the atmospheric boundary layer by electromagnetic and acoustic waves. Telecommun Radio Eng [Internet]. 1998;52(7):57-60. Available from: www.scopus.com	Kartashov, V. M.; Babkin, S. I.; Volokh, A. V.; Analysis of current status of theory and practice of radio-acoustic sounding systems; 14TH INTERNATIONAL SYMPOSIUM FOR THE ADVANCEMENT OF BOUNDARY LAYER REMOTE SENSING; 2008 1
				4. Proshkin EG, Babkin SI. Estimation of the main meteorological characteristics of the atmospheric boundary layer by radioacoustic sounding. Meteorol Z [Internet]. 1998;7(6):366-9. Available from: www.scopus.com	Proshkin, Ye. G.; Kartashov, V. M.; Babkin, S. I.; Development of radio acoustic sounding method in Kharkov National University of Radio Electronics; 14TH INTERNATIONAL SYMPOSIUM FOR THE ADVANCEMENT OF BOUNDARY LAYER REMOTE SENSING; 2008 1 10.1088/1755-1307/1/1/012053
				5. Kartashov VM, Babkin SI, Pashchenko SV. Analysis of phase remote atmospheric air humidity measurement methods. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 1193-4. Available from: www.scopus.com	Proshkin, EG; Babkin, SI; Estimation of the main meteorological characteristics of the atmospheric boundary layer by radioacoustic sounding; METEOROLOGISCHE ZEITSCHRIFT; 1998 7

			6. Kartashov VM, Babkin SI, Pashchenko SV. Adaptation of sonars to nouse conditions. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 1059-60. Available from: www.scopus.com		
			7. Kartashov VM, Babkin SI, Kulya DN. On the possibility of registration of humidity at the correlation signal processing systems for radio acoustic sounding. Telecommun Radio Eng [Internet]. 2014;73(14):1293-300. Available from: www.scopus.com		
			8. Babkin SI, Tolstykh YG. Antenna device for radio acoustic sensing with passive radiolocation. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136845		
			9. Babkin SI, Kushnir MK. Influence of the horizontal wind on the signal structure of the atmosphere radio acoustic sounding. Telecommun Radio Eng [Internet]. 2015;74(3):261-8. Available from: www.scopus.com		
			10. Kartashov VM, Babkin SI, Kushnir MK, Oleinikova EI. Formation of empirical and methodical foundations of science in the field of atmosphere radioacoustic sounding systems. Telecommun Radio Eng [Internet]. 2015;74(15):1391-407. Available from: www.scopus.com		
			11. Kartashov VM, Babkin SI, Tolstykh YG, Lepaha NG. Systematic errors in measurement of meteorological variables in correlation processing of signal of radio acoustic sounding systems. Telecommun		

				Radio Eng [Internet]. 2016;75(9):835-43. Available from: www.scopus.com		
				12. Kartashov VM, Babkin SI, Tolstykh EG. Methodical errors in meteorological measurements during correlation processing of signals from radio acoustic sounding systems. Telecommun Radio Eng [Internet]. 2017;76(20):1861-7. Available from: www.scopus.com		
				13. Kartashov VM, Babkin SI, Tolstykh EG. Experimental estimation of efficiency of distributed acoustic radiator application in the system of radio acoustic sensing of the atmosphere. Telecommun Radio Eng [Internet]. 2018;77(18):1667-73. Available from: www.scopus.com		
				14. Kartashov VM, Oleynikov VN, Sheiko SA, Babkin SI, Korytsev IV, Zubkov OV, Anokhin MA. Information characteristics of sound radiation of small unmanned aerial vehicles. Telecommun Radio Eng [Internet]. 2018;77(10):915-24. Available from: www.scopus.com		
	Науков о- дослід на лабора торія радіоас троном її	КОЛОМІЄЦЬ СВІТЛАНА ВОЛОДИМИРІ ВНА	14	1. Kashcheyev BL, Kolomiyets SV. Interstellar particle detection and selection criteria of meteor streams. In: European Space Agency, (Special Publication) ESA SP [Internet]; 20012001. p. 643-50. Available from: www.scopus.com	5	Kolomiyets, Svitlana V.; Meteor Databases in Astronomy; ASTROINFORMATICS; 2017 12 10.1017/S1743921317000527

			2. Kolomiyets SV. Structure of the meteoroids complex with about parabolic and hyperbolic orbits near the earth, according to data of the KHNURE catalogue. In: European Space Agency, (Special Publication) ESA SP [Internet]; 20022002. p. 237-40. Available from: www.scopus.com	Kolomiyets, S. V.; Uncertainties in MARS Meteor Orbit Radar Data; JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS; 2015 124 10.1016/j.jastp.2015.01.007
			3. Kolomiyets SV, Voloshchuk YI, Kashcheyev BL, Milutchenko IA. Meteor streams associated with the P/Halley comet: The structure from the Kharkiv radar observations. In: European Space Agency, (Special Publication) ESA SP [Internet]; 20022002. p. 241-4. Available from: www.scopus.com	Cherkas, Yu., V; Voloshchuk, Yu., I; Kolomiyets, S., V; APPLICATION OF EPOCHS SUPERPOSITION METHOD FOR PERIODIC COMPONENT SEARCHING IN SEMI-MAJOR AXIS DISTRIBUTION OF NEAR EARTH ASTEROIDS (NEA); 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
			4. Voloshchuk YI, Kashcheyev BL, Kolomiyets SV, Slipchenko NI. The information about possible orbits of NEOs from the results of long-term radar observations of meteors in the laboratory of radioengineering of KHNURE. In: European Space Agency, (Special Publication) ESA SP [Internet]; 20022002. p. 825-8. Available from: www.scopus.com	Kolomiyets, Svitlana V.; Slipchenko, Mykola I.; The meteors, meteoroids and interplanetary dust program of the international heliophysical year 2007/9; EARTH MOON AND PLANETS; 2008 102 10.1007/s11038-007-9209-8
			5. Kolomiyets SV, Kashcheyev BL. Complex of meteoroid orbits with eccentricities near 1 and higher. Earth Moon Planets [Internet]. 2005;95(1-4):229-35. Available from: www.scopus.com	Kolomiyets, SV; Kashcheyev, BL; Complex of meteoroid orbits with eccentricities near 1 and higher; EARTH MOON AND PLANETS; 2005 95 10.1007/s11038-005-3447-4
			6. Kolomiyets SV, Sidorov VV. IHY: Meteor astronomy and the New Independent States (NIS) of the former Soviet Union; 2006. 189 p. Available from: www.scopus.com DOI: 10.1017/S1743921307006989	

			7. Kolomiyets SV, Slipchenko MI. The meteors, meteoroids and interplanetary dust program of the international heliophysical year 2007/9. Earth Moon Planets [Internet]. 2008;102(1-4):305-7. Available from: www.scopus.com		
			8. Kolomiyets SV, Slipchenko MI. The meteors, meteoroids and interplanetary dust program of the international heliophysical year 2007/9 In: Advances in Meteoroid and Meteor Science. [Internet]. ; 2008 p. 305-7. Available from: www.scopus.com DOI: 10.1007/978-0-387-78419-9_43		
			9. Kolomiyets SV. Kharkiv automated meteor radio system "mARS": Its historical significance in radio astronomy. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 46-7. Available from: www.scopus.com		
			10. Cherkas YV, Voloshchuk YI, Kolomiyets SV. Analysis of the fine structure of distributions of solar system's small bodies' orbits. Near Earth asteroids. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 1003-4. Available from: www.scopus.com		
			11. Cherkas YV, Voloshchuk YI, Kolomiyets SV. Application of epochs superposition method for periodic component searching in semi-major axis distribution of Near Earth Asteroids (NEA). In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20142014. p. 1083-4. Available		

				from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959771		
				12. Kolomiyets SV. Uncertainties in MARS meteor orbit radar data. J Atmos Sol -Terr Phys [Internet]. 2015;124:21-9. Available from: www.scopus.com		
				13. Kolomiyets SV. Meteor Databases in Astronomy; 2016. 389 p. Available from: www.scopus.com DOI: 10.1017/S1743921317000527		
				14. Kolomiyets SV. The distributions of meteor substance in the galactic coordinate system according to the MARS radar database and SonotaCo's TV catalogue. Planet Space Sci [Internet]. 2018 Available from: www.scopus.com		
	Науков о-дослід на частин а	РЯБУХА ВЯЧЕСЛАВ ПЕТРОВИЧ	14	1. Lekhovytskiy D, Ryabukha V, Zarytskiy V, Zhuga G, Rachkov D, Semenyaka A. Adaptive lattice filters for band-inverse covariance matrix approximations. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 2010. p. 338. Available from: www.scopus.com	9	Barannik, V. V.; Ryabukha, Yu. N.; Tverdokhle, V. V.; Barannik, D. V.; Methodological Basis for Constructing a Method for Compressing of Transformants Bit Representation, Based on Non-Equilibrium Positional Encoding; 2017 2ND IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION AND COMMUNICATION TECHNOLOGIES-2017 (AICT 2017); 2017
				2. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Ryabukha VP, Atamanskiy DV. Spectral moment estimation of weather echoes in pulsed Doppler weather radars: Mean power. In: 2011 Microwaves, Radar and Remote Sensing Symposium, MRRS-2011 -		Riabukha, V. P.; Lekhovitskiy, D. I.; Semenyaka, A. V.; Katyushin, E. A.; An Exploratory Model of the Hardware-Software Unit for Adaptive Digital Time Signal Processing Against the Background of Masking

			Proceedings [Internet]; 20112011. p. 228-31. Available from: www.scopus.com DOI: 10.1109/MRRS.2011.6053642	Clutters; 2017 IEEE FIRST UKRAINE CONFERENCE ON ELECTRICAL AND COMPUTER ENGINEERING (UKRCON); 2017
			3. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Ryabukha VP, Atamanskiy DV. Spectral moment estimation of weather echoes in pulsed Doppler weather radars: Spectrum width. In: 2011 Microwaves, Radar and Remote Sensing Symposium, MRRS-2011 - Proceedings [Internet]; 20112011. p. 236-9. Available from: www.scopus.com DOI: 10.1109/MRRS.2011.6053644	Barannik, Vladimir; Ryabukha, Yuriy; Tverdokhlib, Vitaliy; Dodukh, Aleksandr; Suprun, Oleg; Tarasenko, Denys; Integration the Non-Equilibrium Position Encoding into the Compression Technology of the Transformed Images; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2017
			4. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Ryabukha VP, Atamanskiy DV. Spectral moment estimation of weather echoes in pulsed Doppler weather radars: Mean radial velocity. In: 2011 Microwaves, Radar and Remote Sensing Symposium, MRRS-2011 - Proceedings [Internet]; 20112011. p. 232-5. Available from: www.scopus.com DOI: 10.1109/MRRS.2011.6053643	Riabukha, V. P.; Lekhovytskiy, D. I.; Katiushyn, Y. A.; Semeniaka, A. V.; Choice of Number, Structure and Placement of Compensation Modules in the Radar with Planar PAA; 2017 XI INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2017
			5. Ryabukha VP, Rachkov DS, Semeniaka AV, Katiushyn IA. Estimation of spatial weight vector fixation interval for sequential space-time signal processing against the background of combined interferences. Radioelectron Commun Syst [Internet]. 2012;55(10):443-51. Available from: www.scopus.com	Lekhovytskiy, D. I.; Atamanskiy, D. V.; Riabukha, V. P.; Rachkov, D. S.; Semeniaka, A. V.; COMBINING TARGET DETECTION AGAINST THE BACKGROUND OF JAMMING SIGNALS AND JAMMING SIGNAL DOA ESTIMATION; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015

			6. Ryabukha VP, Dokhov AI, Zarytskiy VI, Rachkov DS, Semeniaka AV, Katiushin IA, Zarytskaia VV. Convergence rate of a number of signal processing algorithms in adaptive arrays. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 20132013. p. 304-6. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650759	Riabukha, V. P.; Semeniaka, A. V.; Rachkov, D. S.; Katyushyn, Ye. A.; ACCURACY OF TARGET DIRECTION FINDING UNDER ACTION OF EXTERNAL NOISE RADIATIONS IN BIDIMENSIONAL ADAPTIVE ARRAYS; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
			7. Rachkov DS, Lekhovytskiy DI, Semeniaka AV, Riabukha VP, Atamanskiy DV. Lattice-filter-based ground clutter canceller for pulse Doppler weather radar. In: Proceedings International Radar Symposium [Internet]; 20142014 Available from: www.scopus.com DOI: 10.1109/IRS.2014.6869251	Rachkov, Dmytro S.; Lekhovytskiy, David I.; Semeniaka, Andrii V.; Riabukha, Viacheslav P.; Statistical Analysis of Ground Clutter and Point Targets Impact on Accuracy of Weather Echoes Parameters Estimation; 2015 16TH INTERNATIONAL RADAR SYMPOSIUM (IRS); 2015
			8. Lekhovytskiy DI, Rachkov DS, Semeniaka AV, Atamanskiy DV, Riabukha VP. Quasioptimal algorithms for batch coherent signals interperiod processing against background clutter. In: Proceedings International Radar Symposium [Internet]; 20142014 Available from: www.scopus.com DOI: 10.1109/IRS.2014.6869195	Lekhovytskiy, David I.; Rachkov, Dmytro S.; Semeniaka, Andrii V.; Atamanskiy, Dmytro V.; Riabukha, Viacheslav P.; Quasioptimal Algorithms for Batch Coherent Signals Interperiod Processing Against Background Clutter; 2014 15TH INTERNATIONAL RADAR SYMPOSIUM (IRS); 2014
			9. Riabukha VP, Semeniaka AV, Rachkov DS, Katyushyn YA. Accuracy of target direction finding under action of external noise radiations in bidimensional adaptive arrays. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136814	Rachkov, Dmytro S.; Lekhovytskiy, David I.; Semeniaka, Andrii V.; Riabukha, Viacheslav P.; Atamanskiy, Dmytro V.; Lattice-Filter-Based Ground Clutter Canceller for Pulse Doppler Weather Radar; 2014 15TH INTERNATIONAL RADAR SYMPOSIUM (IRS); 2014

			10. Lekhovytskiy DI, Atamanskiy DV, Riabukha VP, Rachkov DS, Semeniaka AV. Combining target detection against the background of jamming signals and jamming signal DOA estimation. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 2015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136777		
			11. Rachkov DS, Lekhovytskiy DI, Semeniaka AV, Riabukha VP. Statistical analysis of ground clutter and point targets impact on accuracy of weather echoes parameters estimation. In: Proceedings International Radar Symposium [Internet]; 2015. p. 604-9. Available from: www.scopus.com DOI: 10.1109/IRS.2015.7226400		
			12. Riabukha VP, Semeniaka AV, Rachkov DS, Katiushyn YA. Errors of target direction finding by radars with planar arrays under the influence of external noise radiations. Radioelectron Commun Syst [Internet]. 2016;59(6):244-50. Available from: www.scopus.com		
			13. Riabukha VP, Lekhovytskiy DI, Katiushyn YA, Semeniaka AV. Choice of number, structure and placement of compensation modules in the radar with planar PAA. In: 2017 11th International Conference on Antenna Theory and Techniques, ICATT 2017 [Internet]; 2017. p. 197-8. Available from: www.scopus.com DOI: 10.1109/ICATT.2017.7972620		
			14. Riabukha VP, Lekhovytskiy DI, Semenyaka AV, Katyushin EA. An exploratory model of the hardware-software unit for adaptive digital time signal processing against the background of masking clutters. In: 2017		

				IEEE 1st Ukraine Conference on Electrical and Computer Engineering, UKRCON 2017 - Proceedings [Internet]; 20172017. p. 55-8. Available from: www.scopus.com DOI: 10.1109/UKRCON.2017.8100458		
КІУ	АПІОТ	АДАМОВ ОЛЕКСАНДР СЕМЕНОВИЧ	13	1. Adamov A, Mostovaya K, Syzonenko I, Melnik A. Electronic system level models for functional verification of system-on-chip. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 348-50. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297576	8	Adamov, Alexander; Saprykin, Alexander; Melnik, Dmitriy; Lukashenko, Olga; The Problem of Hardware Trojans Detection in System-on-Chip; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2009
				2. Adamov A, Hwang R, Gavrushenko A. Data mining techniques for a functional verification of SoC. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 557-9. Available from: www.scopus.com		Adamov, Alexander; Carlsson, Anders; The State of Ransomware. Trends and Mitigation Techniques; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2017
				3. Adamov A, Saprykin A, Melnik D, Lukashenko O. The problem of hardware Trojans detection in system-on-chip. In: Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 10th International Conference, CADSM 2009 [Internet]; 20092009. p. 178-9. Available from: www.scopus.com		Adamov, Alexander; Carlsson, Anders; Cloud Incident Response Model; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2016
				4. Adamov A, Saprykin A. The problem of Trojan inclusions in software and hardware. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS'10 [Internet]; 20102010. p. 449-51. Available from: www.scopus.com DOI: 10.1109/EWDTS.2010.5742081		Hahanov, Vladimir; Chumachenko, Svetlana; Litvinova, Eugenia; Adamov, Alexander; Sorudeykin, Kirill; Structures for Information Retrieval in Big Data; PROCEEDINGS OF XIII TH INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN

					MICROELECTRONICS CADSM 2015; 2015
				5. Adamov A, Hahanov V. Security risks in hardware: Implementation and detection problem. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'10 [Internet]; 2010. p. 425-7. Available from: www.scopus.com DOI: 10.1109/EWDTs.2010.5742118	Adamov, Alexander; Carlsson, Anders; A Sandboxing Method to Protect Cloud Cyberspace; PROCEEDINGS OF 2015 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2015
				6. Adamov A, Hahanov V. A security model of individual cyberspace. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'2011 [Internet]; 2011. p. 169-72. Available from: www.scopus.com DOI: 10.1109/EWDTs.2011.6116597	Adamov, Alexander; Hahanov, Vladimir; Carlsson, Anders; Discovering New Indicators for Botnet Traffic Detection; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2014
				7. Hahanova IV, Obrizan V, Adamov A, Shcherbin D. Transaction level model of embedded processor for vector-logical analysis. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013. Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673169	Hahanova, Irina V.; Obrizan, Volodymyr; Adamov, Alexander; Shcherbin, Dmitry; Transaction Level Model of Embedded Processor for Vector-Logical Analysis; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs 2013); 2013
				8. Adamov A, Hahanov V, Carlsson A. Discovering new indicators for botnet traffic detection. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2014 [Internet]; 2014. Available from: www.scopus.com DOI: 10.1109/EWDTs.2014.7027100	Adamov, Alexander; Mostovaya, Karina; Syzonenko, Inna; Melnik, Alexey; Electronic system level models for functional verification of system-on-chip; 2007 PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2007 10.1109/CADSM.2007.4297576

				9. Hahanov V, Chumachenko S, Litvinova E, Adamov A, Sorudeykin K. Structures for information retrieval in big data. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 2015; p. 70-5. Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230799		
				10. Adamov A, Carlsson A. A sandboxing method to protect cloud cyberspace. In: Proceedings of 2015 IEEE East-West Design and Test Symposium, EWDTs 2015 [Internet]; 2016; Available from: www.scopus.com DOI: 10.1109/EWDTs.2015.7493177		
				11. Adamov A, Carlsson A. Cloud incident response model. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 2017; Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807665		
				12. Adamov A, Carlsson A. The state of ransomware. Trends and mitigation techniques. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 2017; Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110056		
				13. Hahanov V, Gharibi W, Litvinova E, Adamov A. Multiprocessor architecture for big data computing In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 21-41. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_2		
ЕЛБІ	БМІ	БИХ АНАТОЛІЙ ІВАНОВИЧ	13	1. Leonov VP, Bykh AI, Khudenskii YK. The electrochemiluminescence of diphenylstyrylpyrazoline. J Appl Spectrosc [Internet]. 1975;22(5):632-5. Available from: www.scopus.com	8	Kukoba, AV; Bykh, AI; Svir, IB; Analytical applications of electrochemiluminescence: an overview; FRESENIUS JOURNAL OF ANALYTICAL CHEMISTRY; 2000 368

					10.1007/s002160000548
				2. Rozhitskii NN, Bykh AI. Magneto optic investigation of the mechanism of electrochemiluminescent reactions. J Appl Spectrosc [Internet]. 1978;28(1):59-66. Available from: www.scopus.com	ROZHITSKII, NN; BELASH, EM; BYKH, AI; ELECTROCHEMILUMINESCENT ANALYSIS - ADVANCES, PROBLEMS, AND PROSPECTS; JOURNAL OF ANALYTICAL CHEMISTRY; 1994 49
				3. Rozhitskii NN, Bykh AI, Kukoba AV, Shitov VM. Steady-state electrochemiluminescence in solutions with organometallic electrolytes. J Appl Spectrosc [Internet]. 1978;28(2):197-202. Available from: www.scopus.com	ROZHITSKII, NN; KUKOBA, AV; BELASH, EM; BYKH, AI; ELAN-2M APPARATUS FOR HOMOGENEOUS AND HETEROGENEOUS ELECTROCHEMILUMINESCENCE ANALYSIS; JOURNAL OF ANALYTICAL CHEMISTRY; 1994 49
				4. Rozhitskii NN, Golovenko VM, Bykh AI. Effect of the electrolyte on the electrochemiluminescence of complex organic compounds. J Appl Spectrosc [Internet]. 1979;30(6):730-4. Available from: www.scopus.com	BYKH, AI; ROZHITSKII, NN; ELECTROCHEMILUMINESCENCE AND ITS SCIENTIFIC-TECHNOLOGICAL APPLICATION; IZVESTIYA AKADEMII NAUK SSSR SERIYA FIZICHESKAYA; 1987 51
				5. Bykh AI, Golovenko VM, Rozhitskii NN. Diffusion kinetics of liquid phase electrochemiluminescence. J Appl Spectrosc [Internet]. 1981;34(3):278-82. Available from: www.scopus.com	Borzenko, OV; Bykh, AI; Rozhitskii, NN; Energetics and kinetics of homogeneous electrochemiluminescent electron transfer reactions in naphthalimide solutions; RUSSIAN JOURNAL OF ELECTROCHEMISTRY; 1996 32
				6. Bykh AI, Rozhitskii NN. ELECTRICALLY GENERATED CHEMILUMINESCENCE OF SOLUTIONS OF ORGANOLUMINOPHORES. Bull Acad Sci USSR Phys Ser [Internet]. 1982;47(7):105-9.	GOLOVENKO, VM; BYKH, AI; ROZHITSKII, NN; MASS-TRANSPORT IN ELECTROCHEMILUMINESCENT SOLUTIONS - CONVECTIVE MASS-

			Available from: www.scopus.com		TRANSFER IN ELECTROCHEMILUMINESCENCE CELLS; RUSSIAN JOURNAL OF ELECTROCHEMISTRY; 1994 30
			7. Bykh AI, Rozhitskii NN. ELECTROCHEMILUMINESCENCE AND ITS SCIENTIFIC AND TECHNICAL APPLICATIONS. Bull Acad Sci USSR Phys Ser [Internet]. 1986;51(3):160-6. Available from: www.scopus.com		BYKH, AI; GOLOVENKO, VM; ROZHITSKII, NN; MASS-TRANSPORT IN ELECTROCHEMILUMINESCENT SOLUTIONS - ENERGY-SUFFICIENT ELECTROCHEMILUMINESCENCE REACTIONS OCCURRING IN CELLS WITH STATIONARY ELECTRODES UNDER CONDITIONS OF ONE-DIMENSIONAL DIFFUSION; SOVIET ELECTROCHEMISTRY; 1987 23
			8. Bykh AI, Kukoba AV, Rozhitskii NN. ELECTROLUMINESCENCE MECHANISM OF CHLORIDE-ION-CONTAINING COMBINATIONS. Sov Electrochem [Internet]. 1987;23(7):873-80. Available from: www.scopus.com		BYKH, AI; KUKOBA, AV; ROZHITSKII, NN; ELECTROCHEMILUMINESCENCE MECHANISM OF CHLORIDE-ION-CONTAINING COMBINATIONS; SOVIET ELECTROCHEMISTRY; 1987 23
			9. Bykh AI, Golovenko VM, Rozhitskii NN. MASS TRANSPORT IN ELECTROCHEMILUMINESCENT SOLUTIONS. ENERGY-SUFFICIENT ELECTROCHEMILUMINESCENCE REACTIONS OCCURRING IN CELLS WITH STATIONARY ELECTRODES UNDER CONDITIONS OF ONE-DIMENSIONAL DIFFUSION. Sov Electrochem [Internet]. 1987;23(8):1009-14. Available from: www.scopus.com		
			10. Borzenko OV, Bykh AI, Rozhitskii NN. Energetics and kinetics of homogeneous electrochemiluminescent electron transfer reactions in naphthalimide solutions. Russ J Electrochem [Internet]. 1996;32(11):1273-8.		

				Available from: www.scopus.com		
				11. Bykh AI, Kukoba AV, Chugui EA, Belash EM. Development of evaluation criteria and optimization of electrochemiluminescent compositions for analyzing the heterogeneity of conducting surfaces. Telecommun Radio Eng [Internet]. 1999;53(7-8):166-70. Available from: www.scopus.com		
				12. Kukoba AV, Bykh AI, Svir IB. Analytical applications of electrochemiluminescence: An overview. Fresenius J Anal Chem [Internet]. 2000;368(5):439-42. Available from: www.scopus.com		
				13. Bykh AI, Zholudov YT, Rozhytsky NN. Particularities of mass transport in thin-layer sensor based on electrochemical luminescence (ECL) effect. Telecommun Radio Eng [Internet]. 2007;66(5):473-80. Available from: www.scopus.com		
IK	IKI	HEB3OΠOBA OJIEHA CEPTIIBHA	13	1. Lemeshko O, Nevzorova O, Hailan A. The increasing convergence of coordination procedure in the implementation of multipath hierarchical routing. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 2014:2014. p. 45-8. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992294	10	Lemeshko, Olexandr; Nevzorova, Olena; Hailan, Ahmad; The Increasing Convergence of Coordination Procedure in The Implementation of Multipath Hierarchical Routing; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
				2. Nevzorova O, Arous K, Hailan A. Flow-based model of hierarchical multicast routing. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S		Nevzorova, Olena; Arous, Kinan; Hailan, Ahmad; Flow-based Model of Hierarchical Multicast Routing; 2015 SECOND INTERNATIONAL SCIENTIFIC-

			and T 2015 - Conference Proceedings [Internet]; 20152015. p. 50-3. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357266	PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
			3. Nevzorova YS, Arous KM, Salakh MTR. Method for hierarchical coordinated multicast routing in a telecommunication network. Telecommun Radio Eng [Internet]. 2016;75(13):1137-51. Available from: www.scopus.com	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Nevzorova, Olena; HIERARCHICAL METHOD OF INTER-AREA FAST REROUTING; TRANSPORT AND TELECOMMUNICATION JOURNAL; 2017 18 10.1515/ttj-2017-0015
			4. Nevzorova O, Arous KM, Ali AS. Research of the flow-based model of hierarchical multicast routing. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 889-92. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452216	Yeremenko, Oleksandra S.; Lemeshko, Oleksandr V.; Nevzorova, Olena S.; Hailan, Ahmad M.; Method of Hierarchical QoS Routing Based on Network Resource Reservation; 2017 IEEE FIRST UKRAINE CONFERENCE ON ELECTRICAL AND COMPUTER ENGINEERING (UKRCON); 2017
			5. Oleksandr L, Olena N, Tetiana V. Hierarchical coordination method of inter-area routing in telecommunication network. In: 2016 IEEE International Scientific Conference "Radio Electronics and Info Communications", UkrMiCo 2016 - Conference Proceedings [Internet]; 20162016 Available from: www.scopus.com DOI: 10.1109/UkrMiCo.2016.7739626	Lemeshko, Oleksandr; Nevzorova, Olena; Hailan, Ahmad M.; Research of Hierarchical Coordination Method of Inter-Area Routing in Telecommunication Network; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
			6. Lemeshko O, Nevzorova O, Hailan AM. Research of hierarchical coordination method of inter-area routing in telecommunication network. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 135-	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Nevzorova, Olena; Vavenko, Tetiana; Three-level Method of Hierarchical Coordination Routing in Multi-Area Network; 2017 SECOND INTERNATIONAL CONFERENCE ON INFORMATION AND

			8. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905359	TELECOMMUNICATION TECHNOLOGIES AND RADIO ELECTRONICS (UKRMICO); 2017
			7. Yeremenko O, Nevzorova O, Ali AS. Two-level method of fault-tolerant inter-area routing. In: 2017 14th International Conference The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 2017:2017. p. 105-8. Available from: www.scopus.com DOI: 10.1109/CADSM.2017.7916096	Lemeshko, Oleksandr; Ilyashenko, Andriy; Nevzorova, Olena; Malallah, Ahmed Mhammed; Method of Segment Hierarchical Coordination Routing in Multi-Area Network; 2017 2ND IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION AND COMMUNICATION TECHNOLOGIES-2017 (AICT 2017); 2017
			8. Lemeshko O, Yeremenko O, Nevzorova O. Hierarchical method of inter-area fast rerouting. <i>Transp Telecommun</i> [Internet]. 2017;18(2):155-67. Available from: www.scopus.com	Nevzorova, Olena; Vavenko, Tetiana; Arif, Fouad Abdul Razzaq; Hierarchical Method of Load-Balancing Routing in MPLS Network; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
			9. Lemeshko O, Ilyashenko A, Nevzorova O, Mal-Allah AM. Method of segment hierarchical coordination routing in multi-area network. In: 2nd International Conference on Advanced Information and Communication Technologies, AICT 2017 - Proceedings [Internet]; 2017:2017. p. 262-5. Available from: www.scopus.com DOI: 10.1109/AIACT.2017.8020115	Yeremenko, Oleksandra; Nevzorova, Olena; Ali, Ali Salem; Two-Level Method of Fault-Tolerant Inter-Area Routing; 2017 14TH INTERNATIONAL CONFERENCE: THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM); 2017
			10. Lemeshko O, Yeremenko O, Nevzorova O, Vavenko T. Three-level method of hierarchical coordination routing in multi-Area network. In: 2nd International Conference on Information and Telecommunication Technologies and Radio	Nevzorova, Olena; Arous, Kilian M.; Ali, Ali Salem; Research of the Flow-based Model of Hierarchical Multicast Routing; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO

				Electronics, UkrMiCo 2017 - Proceedings [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/UkrMiCo.2017.8095410		ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
				11. Yeremenko OS, Lemeshko OV, Nevzorova OS, Hailan AM. Method of hierarchical QoS routing based on network resource reservation. In: 2017 IEEE 1st Ukraine Conference on Electrical and Computer Engineering, UKRCON 2017 - Proceedings [Internet]; 20172017. p. 971-6. Available from: www.scopus.com DOI: 10.1109/UKRCON.2017.8100393		
				12. Nevzorova O, Vavenko T, Arif FAR. Hierarchical method of load-balancing routing in MPLS network. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 434-8. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246433		
				13. Lemeshko O, Nevzorova O, Hailan AM. Hierarchical method of routing and resource allocation in DiffServ-TE network. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 1014-8. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336366		
АКТ	КІТАМ	СИЧОВА ОКСАНА ВОЛОДИМИРІ ВНА	13	1. Filipenko A, Nevludov I, Sichova O. Form parameters definition of optical fibers welded connection. In: Proceedings of LFNМ 2004 - 6th International Conference on Laser and Fiber-Optical Networks Modeling [Internet]; 20042004. p. 188-95. Available from: www.scopus.com	5	Filipenko, Oleksandr; Sychova, Oksana; Ponomaryova, Anna; Optical Losses at Angle Relative Rotation in Photonic Crystal Fiber Connections; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS

					OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
				2. Filipenko A, Nevludov I, Sicheva O. Processing technique of interference images at the control of parameters of an optical fiber components surfaces. In: Proceedings of CAOL 2005: 2nd International Conference on Advanced Optoelectronics and Lasers [Internet]; 20052005. p. 345-8.Available from: www.scopus.com DOI: 10.1109/CAOL.2005.1553999	Filipenko, Oleksandr; Sychova, Oksana; Ponomaryova, Ganna; Determining of the Photonic-Crystal Fibers Mode Field Size at His Near Field Image; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
				3. Filipenko A, Sychova O. The analysis of creation perspectives of photonic crystal fiber components. In: 8th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2006 [Internet]; 20062006. p. 483-5.Available from: www.scopus.com DOI: 10.1109/LFNM.2006.252090	Filipenko, Oleksandr; Sychova, Oksana; Improving of Photonic Crystal Fibers Connection Quality Using Positioning by the Autoconvolution Method; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
				4. Filipenko A, Nevludov I, Sicheva O. Automatization of the control technological processes of optical fiber components parameters. In: OPT 2007 - International Workshop Optoelectronic Physics and Technology [Internet]; 20072007. p. 39.Available from: www.scopus.com DOI: 10.1109/OPT.2007.4298525	Filipenko, O.; Sychova, O.; The Identification Method of the Photonic-Crystal Fiber Mode Field Diameter Maximum Position: Experimental Researches; 2016 IEEE 7TH INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS (CAOL); 2016
				5. Filipenko A, Nevludov I, Sicheva O. Processing of interference images at the control of surface parameters of optical fiber components. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 20082008Available from: www.scopus.com	Filipenko, Alexander; Sychova, Oksana; The analysis of creation perspectives of photonic crystal fibre components; LFNM 2006: 8TH INTERNATIONAL CONFERENCE ON LASER AND FIBER-OPTICAL NETWORKS

			DOI: 10.1117/12.793879		MODELING, PROCEEDINGS; 2006
			6. Filipenko A, Nevludov I, Sychova O. Optical power transmission coefficient in photonic-crystal fiber connection. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 409-11. Available from: www.scopus.com		
			7. Filipenko AI, Sychova OV, Legka OV. Research on welding action on dispersion properties of fiber-optic link components. Telecommun Radio Eng [Internet]. 2009;68(20):1821-31. Available from: www.scopus.com		
			8. Filipenko AI, Sychova OV. Research of autoconvolution method efficiency under control of photonic crystal fibers positioning. In: Proceedings - 10th International Conference on Laser and Fiber-Optical Networks Modeling, LFNM 2010 [Internet]; 20102010. p. 143-5. Available from: www.scopus.com DOI: 10.1109/LFNM.2010.5624218		
			9. Filipenko AI, Sychova OV. Research of misalignments and cross-sectional structure influence on optical loss in photonic crystal fibers connections. Proc Int Conf Adv Optoelectron Lasers, CAOL [Internet]. 2013:85-7. Available from: www.scopus.com		
			10. Filipenko O, Sychova O, Ponomaryova A. Optical losses at angle relative rotation in photonic crystal fiber connections. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications		

				Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 104-7. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357283		
				11. Filipenko O, Sychova O. The identification method of the photonic-crystal fiber mode field diameter maximum position: Experimental researches. In: Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL [Internet]; 20162016. p. 105-7. Available from: www.scopus.com DOI: 10.1109/CAOL.2016.7851393		
				12. Filipenko O, Sychova O, Ponomaryova G. Determining of the photonic-crystal fibers mode field size at his near field image. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 81-3. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905342		
				13. Filipenko O, Sychova O. Improving of photonic crystal fibers connection quality using positioning by the autoconvolution method. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 493-6. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246446		
OPT	КРІСТ ЗІ	АНТИПОВ ІВАН ЄВГЕНІЙОВИ Ч	13	1. Antipov IE, Bavykina VV, Koval YA, Nesterenko GV. Clock systems of reference generators in communication networks of Ukraine. In: CriMiCo 2002 - 12th International Conference "Microwave and Telecommunication Technology", Conference	8	Antipov, I. E.; Koval, Ju. A.; Obelchenko, V. V.; Saprykin, A. V.; Application of half-active methods for meteor burst radiochannel research; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE &

			Proceedings [Internet]; 20022002. p. 231-2. Available from: www.scopus.com DOI: 10.1109/CRMICO.2002.1137218	TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006
			2. Antipov IE, Bondar BG. On the super-long meteor-burst propagation of metric waves. Telecommun Radio Eng [Internet]. 2002;57(2-3):18-22. Available from: www.scopus.com	Antipov, I. E.; Expansion of the application fields and development perspectives of meteor burst radio communication and synchronization; 2006 16th International Crimean Conference Microwave & Telecommunication Technology, Vols 1 and 2, Conference Proceedings; 2006
			3. Koval YA, Obelchenko VV, Antipov IE, Nesterenko GV, Dudnik JS. Antenna alignment for radiometric synchronization systems. In: 4th International Conference on Antenna Theory and Techniques, ICATT 2003 [Internet]; 20032003. p. 518-20. Available from: www.scopus.com DOI: 10.1109/ICATT.2003.1238791	Antipov, Ivan; Koval, Yury; Obel'chenko, Veronika; The meteor burst radio channel using prospects; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006
			4. Antipov I, Koval Y. Passive radiolocation of the meteor trails. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 267. Available from: www.scopus.com	Koval'Yu, A; Obelchenko, VV; Antipov, IE; The comparative analysis radiometer and GPS methods of synchronization of time scales; LFNM 2004: PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON LASER AND FIBER-OPTICAL NETWORKS MODELING; 2004
			5. Antipov I, Koval J, Bavykina V. The time scale synchronization algorithms and its implementation in meteor-burst channel case. In: IET Conference Publications [Internet]; 20042004. p. 175. Available from: www.scopus.com DOI: 10.1049/cp:20040844	Antipov, IE; Koval'Yu, A; Obelchenko, VV; About using TV broadcasting satellites for the time scale synchronization; LFNM 2004: PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON LASER AND FIBER-OPTICAL NETWORKS MODELING; 2004

			6. Antipov IE, Koval' JA, Obelchenko VV. About using TV broadcasting satellites for the time scale synchronization. In: Proceedings of LFNM 2004 - 6th International Conference on Laser and Fiber-Optical Networks Modeling [Internet]; 20042004. p. 320-3. Available from: www.scopus.com		Antipov, I; Koval', Y; Passive radiolocation of the meteor trails; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2004
			7. Koval JA, Obelchenko VV, Antipov IE. The comparative analysis radiometeor and GPS methods of synchronization of time scales. In: Proceedings of LFNM 2004 - 6th International Conference on Laser and Fiber-Optical Networks Modeling [Internet]; 20042004. p. 316-9. Available from: www.scopus.com		Koval, YA; Obelchenko, VV; Antipov, IE; Nesterenko, GV; Dudnik, BS; Antenna alignment for radiometeoric synchronization systems; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003
			8. Antipov IE. Expansion of the application fields and development perspectives of meteor burst radio communication and synchronization. In: 2006 16th International Crimean Microwave and Telecommunication Technology, CriMiCo [Internet]; 20062006. p. 967-8. Available from: www.scopus.com DOI: 10.1109/CRMICO.2006.256279		Antipov, IE; Bavykina, VV; Koval, YA; Nesterenko, GV; Clock systems of reference generators in communication networks of Ukraine; 12TH INTERNATIONAL CONFERENCE - MICROWAVE & TELECOMMUNICATION TECHNOLOGY, CONFERENCE PROCEEDINGS; 2002 10.1109/CRMICO.2002.1137218
			9. Antipov IE, Koval JA, Obelchenko VV, Saprykin AV. Application of half-active methods for meteor burst radiochannel research. In: 2006 16th International Crimean Microwave and Telecommunication Technology, CriMiCo [Internet]; 20062006. p. 965-6. Available from: www.scopus.com DOI: 10.1109/CRMICO.2006.256278		
			10. Antipov I, Koval Y, Obel'Chenko V. The meteor burst radio channel using prospects. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International		

				Conference, TCSET 2006 [Internet]; 20062006. p. 453. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404583		
				11. Antipov I, Bondar' E, Kostyrja A. About the time measurement of radio-waves propagation in atmosphere at nanoseconds accuracy. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 161. Available from: www.scopus.com		
				12. Antipov I, Shernin M, Tkalich I. Experimental checking of forming random numeral sequence by using meteor burst channel. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 245. Available from: www.scopus.com		
				13. Antipov IE, Vasilenko TA. Application of fuzzy logic to improve security network based on Wi-Fi technologies. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 472-3. Available from: www.scopus.com		
KIY	АПОТ	КРИВУЛЯ ГЕННАДІЙ ФЕДОРОВИЧ	12	1. Krivulya GF, Shkil AS. MODELING OF DIGITAL DEVICES USING THE LANGUAGE OF CUBIC COMPLEXES. Autom Control Comput Sci [Internet]. 1983;17(1):42-6. Available from: www.scopus.com	5	Krivoulya, Gennady; Dudar, Zoya; Kucherenkov, Dariya; Sami, Mehana; Fuzzy Expert System for Diagnosis of Computer Failures; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS: PROCEEDINGS OF THE XTH INTERNATIONAL

					CONFERENCE CADSM 2009; 2009
				2. Hahanov V, Krivoulya G, Rustinov V, Sisenko I, Egorov A. Fault cubic simulation for digital devices. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 6th International Conference, CADSM 2001 [Internet]; 20012001. p. 112-5. Available from: www.scopus.com DOI: 10.1109/CADSM.2001.975768	Krivoulya, G.; Lipchansky, A.; Sheremet, Ye.; Expert Diagnosis of Computer Systems using Neuro-Fuzzy Knowledge Base; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2016
				3. Hahanov V, Krivoulya G, Hahanova I, Melnikova O, Obrizan V. High performance fault simulation for digital systems. In: Proceedings of the 2nd IEEE International Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, IDAACS 2003 [Internet]; 20032003. p. 390-5. Available from: www.scopus.com DOI: 10.1109/IDAACS.2003.1249593	Krivoulya, G.; Shkil, A.; Kucherenko, D.; Lipchansky, A.; Sheremet, Ye.; Expert evaluation model of the computer system diagnostic features; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2014
				4. Krivoulya AS, Shkil AS, Babich AV. Structural method of explicit fault location in a LAN segment. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 353-6. Available from: www.scopus.com	Krivoulya, Gennady; Laptev, Mihail; The diagnostic model of computer systems in the form of finite state machine; 2007 PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2007 10.1109/CADSM.2007.4297541
				5. Krivulya G, Kovalyov E, Korobko O, Laptev M. The analysis of modern FSM description languages. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science	Hahanov, V; Krivoulya, G; Rustinov, V; Sisenko, I; Egorov, A; Fault cubic simulation for digital devices; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD

			Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 370-4. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404555		SYSTEMS IN MICROELECTRONICS; 2001 10.1109/CADSM.2001.975768
			6. Krivulya G, Syrevitch Y, Karasev A, Krasovskaya A. Hdl-models verification strategy. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 570-3. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404636		
			7. Krivoulya G, Laptev M. The diagnostic model of computer systems in the form of finite state machine. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 262-3. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297541		
			8. Krivoulya G, Dudar Z, Kucherenko D, Sami M. Fuzzy expert system for diagnosis of computer failures. In: Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 10th International Conference, CADSM 2009 [Internet]; 20092009. p. 225-30. Available from: www.scopus.com		
			9. Krivoulya G, Shkil A, Kucherenko D. Competence as a support factor of the computer system operation. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS'2011 [Internet]; 20112011. p. 303-10. Available from: www.scopus.com DOI: 10.1109/EWDTS.2011.6116426		

				10. Krivoulya GF, Shkil' AS, Kucherenko DY. Analysis of production rules in expert systems of diagnosis. Autom Control Comput Sci [Internet]. 2013;47(6):331-41. Available from: www.scopus.com		
				11. Krivoulya G, Shkil A, Kucherenko D, Lipchansky A, Sheremet Y. Expert evaluation model of the computer system diagnostic features. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2014 [Internet]; 2014. Available from: www.scopus.com DOI: 10.1109/EWDTs.2014.7027101		
				12. Krivoulya G, Lipchansky A, Sheremet Y. Expert diagnosis of computer systems using neuro-fuzzy knowledge base. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 2017. Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807669		
ІК	МТЕ	СЕМЕНЕЦЬ ВАЛЕРІЙ ВАСИЛЬОВИ Ч	12	1. Ogorodnichuk IF, Borzenkov BI, Kunik EG, Semenets VV, Dovnar AI, Malyuk VG, Prasol IV, Serikov AD, Zolotoverkhii YN, Khramtsov VN. PROGRAM COMPLEX FOR END-TO-END DESIGN OF RADIOELECTRONIC APPARATUS. Radioelectron Commun Syst [Internet]. 1987;30(6):69-71. Available from: www.scopus.com	4	Yerokhin, Andriy; Semenets, Valerii; Nechyporenko, Alina; Turuta, Oleksii; Babii, Andrii; F-transform 3D Point Cloud Filtering Algorithm; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
				2. Semenets V, Kruk O. Hardware design for processing medical signals. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 2006. p. 659-62. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404675		Semenets, Valeriy; Technical aspects for development laboratory base for learning FPGA and microcontroller systems; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS: PROCEEDINGS OF THE XTH INTERNATIONAL CONFERENCE CADSM 2009; 2009

			<p>3. Shulika O, Petrov S, Semenets V, Sukhoivanov I. Carrier transport in asymmetric multiple quantum well structures. In: Proceedings of 2008 10th Anniversary International Conference on Transparent Optical Networks, ICTON [Internet]; 20082008. p. 117-9. Available from: www.scopus.com DOI: 10.1109/ICTON.2008.4598607</p>		<p>Shulika, Oleksiy; Petrov, Sergii; Semenets, Valerii; Sukhoivanov, Igor; Carrier transport in asymmetric multiple quantum well structures; ICTON 2008: PROCEEDINGS OF 2008 10TH ANNIVERSARY INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS, VOL 2; 2008 10.1109/ICTON.2008.4598607</p>
			<p>4. Bulgakov VI, Sakalo SN, Semenets VV. Dynamic control of treating discircular encephalopathy by radio-thermometry method. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 858-9. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676633</p>		<p>Semenets, V. V.; Kruk, O. J.; Laboratory microcontroller debug systems of ML type; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006</p>
			<p>5. Semenets V. Technical aspects for development laboratory base for learning FPGA and microcontroller systems. In: Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 10th International Conference, CADSM 2009 [Internet]; 20092009. p. 145. Available from: www.scopus.com</p>		
			<p>6. Avrunin OG, Sakalo SN, Semenetc VV. Development of up-to-date laboratory base for microprocessor systems investigation. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 301-2. Available from: www.scopus.com</p>		

			7. Semenets VV, Stytcenko TE. Analysis of electromagnetic environment and modeling of spurious radiation sources. Telecommun Radio Eng [Internet]. 2016;75(15):1385-96. Available from: www.scopus.com		
			8. Semenets VV, Leonidov VI. Coordinate method for estimation of radial velocity in systems of acoustic sounding of the atmosphere. Telecommun Radio Eng [Internet]. 2017;76(3):245-51. Available from: www.scopus.com		
			9. Leonidov VI, Semenets VV. Analysis of methods for wind shear detection in area of airports by data of atmosphere acoustic sounding. Telecommun Radio Eng [Internet]. 2018;77(4):363-72. Available from: www.scopus.com		
			10. Nariezhnii OP, Semenets VV, Grinenko TO. Method for measuring quantum phase noise and line width of working transition of radio- optical system of random number generator. Telecommun Radio Eng [Internet]. 2018;77(19):1697-717. Available from: www.scopus.com		
			11. Semenets VV, Kartashov VM, Leonidov VI. Registration of refraction phenomenon in the problem of acoustic sounding of atmosphere in airports zone. Telecommun Radio Eng [Internet]. 2018;77(5):461-8. Available from: www.scopus.com		
			12. Yerokhin A, Semenets V, Nechyporenko A, Turuta O, Babii A. F-transform 3D Point Cloud Filtering Algorithm. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 2018:2018. p. 524-7. Available from: www.scopus.com DOI:		

				10.1109/DSMP.2018.8478581		
КН	П	ВОРОЧЕК ОЛЬГА ГРИГОРІВНА	12	1. Vorochek O. About using information semantic processing algorithms for metacontext interaction intellectual information system design. In: Proceedings of the International Conference on Modern Problems of Radio Engineering, Telecommunications and Computer Science, TCSET 2002 [Internet]; 20022002. p. 276-77. Available from: www.scopus.com DOI: 10.1109/TCSET.2002.1015963	7	Biletskiy, Y; Vorochek, O; Medovoy, A; Building ontologies for interoperability among learning objects and learners; INNOVATIONS IN APPLIED ARTIFICIAL INTELLIGENCE; 2004 3029
				2. Dudar Z, Vorochek O, Basova O. Theoretical foundations of the meta context data exchange. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 7th International Conference, CADSM 2003 [Internet]; 20032003. p. 272. Available from: www.scopus.com DOI: 10.1109/CADSM.2003.1255058		Biletskiy, Yevgen; Ranganathan, Girish R.; Vorochek, Olga; Identification and resolution of conflicts during ontological integration using rules; EXPERT SYSTEMS; 2010 27 10.1111/j.1468-0394.2010.00511.x
				3. Biletskiy YV, Dudar ZV, Vorochek OG. Integration of ontologies for meta-context mediation. In: Proceedings of the IASTED International Conference on Artificial Intelligence and Soft Computing [Internet]; 20032003. p. 327-32. Available from: www.scopus.com		Biletskiy, Yevgen; Hirtle, David; Vorochek, Olga; Toward the identification and elimination of semantic conflicts for the integration of RuleML-based ontologies; CANADIAN SEMANTIC WEB; 2006 2
				4. Biletskiy YV, Dudar ZV, Vorochek OG. Genetic search for integration of ontologies. In: Proceedings of the International Conference on Information and Knowledge Engineering [Internet]; 20032003. p. 57-63. Available from: www.scopus.com		Vorochek, Olga; Biletskiy, Yevgen; Toward assessing data quality of ontology matching on the web; CNSR 2007: PROCEEDINGS OF THE FIFTH ANNUAL CONFERENCE ON COMMUNICATION NETWORKS AND SERVICES RESEARCH; 2007

			5. Biletskiy Y, Vorochek O. Building and integrating ontologies to assist decision making. In: Proceedings of the IEEE Conference on Decision and Control [Internet]; 20042004. p. 5445-8. Available from: www.scopus.com DOI: 10.1109/CDC.2004.1429674		Bilokon, Vasyl; Dudar, Zoya; Vorochek, Olga; Vorochek, Svitlana; Theoretical foundations of the models and methods of information search for structured digital library; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006
			6. Biletskiy Y, Câmpeanu C, Dudar Z, Vorochek O. Meta-context mediation to attain semantic interoperability. In: 2004 2nd International IEEE Conference 'Intelligent Systems' - Proceedings [Internet]; 20042004. p. 238-43. Available from: www.scopus.com		Dudar, Z; Vorochek, O; Basova, O; Theoretical foundations of the metacoritext data exchange; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2003 10.1109/CADSM.2003.1255058
			7. Biletskiy Y, Vorochek O, Medovoy A. Building ontologies for interoperability among learning objects and learners. In: Lecture Notes in Artificial Intelligence (Subseries of Lecture Notes in Computer Science) [Internet]; 20042004. p. 977-86. Available from: www.scopus.com		Vorochek, O; About using of the information's semantic processing algorithms for the metacontext interactions' intellectual information systems designing; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2002 10.1109/TCSET.2002.1015963
			8. Biletskiy Y, Hirtle D, Vorochek O. Toward the identification and elimination of semantic conflicts for the integration of RuleML-based ontologies. In: CSWWS 2006, 1st Canadian Semantic Web Working Symposium [Internet]; 20062006. p. 135-42. Available from: www.scopus.com		
			9. Bilokon V, Dudar Z, Vorochek O, Vorochek S. Theoretical foundations of the models and methods of information search for structured digital library. In: Modern Problems of Radio Engineering,		

				Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 75-6. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404449		
				10. Vorochek O, Biletskiy Y. Toward assessing data quality of ontology matching on the web. In: Proceedings - CNSR 2007: Fifth Annual Conference on Communication Networks and Services Research [Internet]; 20072007. p. 317-9. Available from: www.scopus.com DOI: 10.1109/CNSR.2007.68		
				11. Dudar Z, Medovoy A, Olga VG. Internet-projects assessment criteria validity, problems and perspectives for proceedings of international conference CADSM 2007. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 477-8. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297623		
				12. Biletskiy Y, Ranganathan GR, Vorochek O. Identification and resolution of conflicts during ontological integration using rules. Expert Syst [Internet]. 2010;27(2):75-89. Available from: www.scopus.com		
КН	СТ	НЕЧИПОРЕНКО АЛІНА СЕРГІЇВНА	12	1. Gariuk OG, Merkulov AI, Novak AV, Nechiporenko AS. [The influence of the nasal septum tubercle on certain aerodynamic characteristics]. Vestn Otorinolaringol [Internet]. 2014(3):45-7. Available from: www.scopus.com	7	Vogt, Klaus; Bachmann-Harildstad, Gregor; Lintermann, Andreas; Nechiporenko, Alina; Peters, Franz; Wernecke, Kaus-Dieter; The new agreement of the international RIGA consensus conference on nasal airway function tests; RHINOLOGY; 2018 56 10.4193/Rhin17.084

			2. Nechiporenko AS. Rhinomanometric signal processing for selection of formalized diagnostic criterion in rhinology. Telecommun Radio Eng [Internet]. 2015;74(14):1285-94. Available from: www.scopus.com	Yerokhin, Andriy; Nechyporenko, Alina; Babii, Andrii; Turuta, Oleksii; A New Intelligence-Based Approach for Rhinomanometric Data Processing; 2016 IEEE 36TH INTERNATIONAL CONFERENCE ON ELECTRONICS AND NANOTECHNOLOGY (ELNANO); 2016
			3. Yerokhin A, Nechyporenko A, Linnyk E, Suverov D. A software and hardware system for studying the function of ostiomeatal complex. East -Eur J Enterp Technol [Internet]. 2015;5(9):9-13. Available from: www.scopus.com	Yerokhin, A. L.; Babii, A. S.; Nechyporenko, A. S.; Turuta, O. P.; A Lars-Based Method of the Construction of a Fuzzy Regression Model for the Selection of Significant Features; CYBERNETICS AND SYSTEMS ANALYSIS; 2016 52 10.1007/s10559-016-9867-5
			4. Yerokhin A, Nechyporenko A, Babii A, Turuta O. Usage of F-transform to finding informative parameters of rhinomanometric signals. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 2015. p. 129-32. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325449	Yerokhin, Andriy; Turuta, Oleksii; Babii, Andrii; Nechyporenko, Alina; Mahdalina, Ihor; Usage of Phase Space Diagram to Finding Significant Features of Rhinomanometric Signals; 2016 XITH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT); 2016
			5. Doroshenko VA, Ievleva SN, Klimova NP, Nechiporenko AS, Strelnitsky AA. Solution to the model problem of excitation of loaded conic slot antenna by method of singular integral equations. Telecommun Radio Eng [Internet]. 2016;75(20):1799-812. Available from: www.scopus.com	Yerokhin, Andriy; Semenets, Valerii; Nechyporenko, Alina; Turuta, Oleksii; Babii, Andrii; F-transform 3D Point Cloud Filtering Algorithm; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018

			6. Yerokhin A, Nechyporenko A, Babii A, Turuta O. A new intelligence-based approach for rhinomanometric data processing. In: 2016 IEEE 36th International Conference on Electronics and Nanotechnology, ELNANO 2016 - Conference Proceedings [Internet]; 20162016. p. 198-201. Available from: www.scopus.com DOI: 10.1109/ELNANO.2016.7493047		Yerokhin, Andriy; Turuta, Oleksii; Babii, Andrii; Nechyporenko, Alina; Intelligent Information System of Heterogeneous Medical Data Analysis; PROCEEDINGS OF THE 2017 12TH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE ON COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT 2017), VOL. 1; 2017
			7. Yerokhin AL, Babii AS, Nechyporenko AS, Turuta OP. A lars-based method of the construction of a fuzzy regression model for the selection of significant features. Cybern Syst Anal [Internet]. 2016;52(4):641-6. Available from: www.scopus.com		Yerokhin, Andriy; Nechyporenko, Alina; Babii, Andrii; Turuta, Oleksii; Processing and Analysis of Rhinomanometric Signals by F-transform Approximation; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
			8. Yerokhin A, Nechyporenko A, Babii A, Turuta O. Processing and analysis of rhinomanometric signals by F-transform approximation. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 20162016. p. 314-7. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583566		
			9. Yerokhin A, Turuta O, Babii A, Nechyporenko A, Mahdalina I. Usage of phase space diagram to finding significant features of rhinomanometric signals. In: Computer Sciences and Information Technologies - Proceedings of the 11th International Scientific and Technical Conference, CSIT 2016 [Internet]; 20162016. p. 70-2. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2016.7589871		

				10. Yerokhin A, Turuta O, Babii A, Nechyporenko A. Intelligent information system of heterogeneous medical data analysis. In: Proceedings of the 12th International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2017 [Internet]; 20172017. p. 332-5. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2017.8098798		
				11. Vogt K, Bachmann-Harildstad G, Lintermann A, Nechyporenko A, Peters F, Wernecke K-. The new agreement of the international RIGA consensus conference on nasal airway function tests. Rhinology [Internet]. 2018;56(2):133-43. Available from: www.scopus.com		
				12. Yerokhin A, Semenets V, Nechyporenko A, Turuta O, Babii A. F-transform 3D Point Cloud Filtering Algorithm. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 524-7. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478581		
КН	III	ТЕРЗІЯН	13	Punronen S., Terziyan V., "A similarity evaluation technique for data mining with an ensemble of classifiers", 2000, "Proceedings - International Workshop on Database and Expert Systems Applications, DEXA", "2000-January",,, 875172, "1155", "1159",,, "10.1109/DEXA.2000.875172", " https://www.scopus.com/inward/record.uri?eid=2-s2.0-84949997054&doi=10.1109%2fDEXA.2000.875172&partnerID=40&md5=46fea047a7efd7d69d001a586a473be4 "	11	Terziyan, V; Tsymbal, A; Puuronen, S; The decision support system for telemedicine based on multiple expertise; INTERNATIONAL JOURNAL OF MEDICAL INFORMATICS; 1998 49 10.1016/S1386-5056(98)00041-0
		БАГАН				
		ЯКОВИЧ				

			Terziyan Vagan, Omelayenko Borys, Puuronen Seppo, "Expanding context against weighted voting of classifiers", 2000, "Proceedings of SPIE - The International Society for Optical Engineering", "4051", "35", "42", "https://www.scopus.com/inward/record.uri?eid=2-s2.0-0033721266&partnerID=40&md5=806259d26117d699b32e4d84e1570a"	Keleberda, I; Lesna, N; Makovetskiy, S; Terziyan, V; Personalized distance learning based on multiagent ontological system; IEEE INTERNATIONAL CONFERENCE ON ADVANCED LEARNING TECHNOLOGIES, PROCEEDINGS; 2004 10.1109/ICALT.2004.1357654
			Savolainen V., Terziyan V., "Metapetrinets for controlling complex and dynamic processes", 1999, "International Journal of Information and Management Sciences", "10", "1", "13", "32", "https://www.scopus.com/inward/record.uri?eid=2-s2.0-26944465448&partnerID=40&md5=7d41bfe529a7fae084ba6bd8e3f4b58f"	Terziyan, V; Vitko, O; Bayesian metanetworks for modelling user preferences in mobile environment; KI 2003: ADVANCES IN ARTIFICIAL INTELLIGENCE; 2003 2821
			Puuronen S., Terziyan V., "A similarity evaluation technique for cooperative problem solving with a group of agents", 1999, "Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)", "1652", "163", "174", "10.1007/3-540-48414-0_11", "https://www.scopus.com/inward/record.uri?eid=2-s2.0-84957679006&doi=10.1007%2f3-540-48414-0_11&partnerID=40&md5=3d6ef19880c4c3eed6d2cd3c82da29ec"	Terziyan, Vagan; Golovianko, Mariia; Cochez, Michael; TB-Structure: Collective Intelligence for Exploratory Keyword Search; SEMANTIC KEYWORD-BASED SEARCH ON STRUCTURED DATA SOURCES, IKC 2016; 2017 10151 10.1007/978-3-319-53640-8_15
			Puuronen S., Terziyan V., "Knowledge acquisition from multiple experts based on semantics of concepts", 1999, "Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in	Terziyan, Vagan; Golovianko, Mariia; Shevchenko, Oleksandr; Semantic Portal as a Tool for Structural Reform of the Ukrainian Educational System; INFORMATION TECHNOLOGY FOR DEVELOPMENT;

			Bioinformatics)", "1621" ,,, "259", "273" ,,, "https://www.scopus.com/inward/record.uri?eid=2-s2.0-70449553540&partnerID=40&md5=6cd4625fa51af426d873636f58f53949"	2015 21 10.1080/02681102.2014.899955
			Puuronen S., Terziyan V., Logvinovsky A., "Mining several databases with an ensemble of classifiers", 1999, "Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)", "1677" ,,, "882", "891" ,,, "https://www.scopus.com/inward/record.uri?eid=2-s2.0-84947945536&partnerID=40&md5=cb843f61ef10e714a8eb869ae18cdb16"	Tsymbal, A; Puuronen, S; Terziyan, V; Arbiter meta-learning with dynamic selection of classifiers and its experimental investigation; ADVANCES IN DATABASES AND INFORMATION SYSTEMS; 1999 1691
			Puuronen S., Terziyan V., Tsymbal A., "A dynamic integration algorithm for an ensemble of classifiers", 1999, "Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)", "1609" ,,, "592", "600" ,,, "10.1007/BFb0095148", "https://www.scopus.com/inward/record.uri?eid=2-s2.0-84957702069&doi=10.1007%2fBFb0095148&partnerID=40&md5=84a50b4f404c487a4eca2aa2375c5832"	Puuronen, S; Terziyan, V; A similarity evaluation technique for cooperative problem solving with a group of agents; COOPERATIVE INFORMATION AGENTS III, PROCEEDINGS; 1999 1652
			Tsymbal A., Puuronen S., Terziyan V., "Arbiter meta-learning with dynamic selection of classifiers and its experimental investigation", 1999, "Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)", "1691" ,,, "205", "217" ,,, "10.1007/3-540-48252-0_16", "https://www.scopus.com/inward/record.uri?eid=2-s2.0-84958654320&doi=10.1007%2f3-540-48252-	Terziyan, Vagan; Gryshko, Svitlana; Golovianko, Mania; Patented intelligence: Cloning human decision models for Industry 4.0; JOURNAL OF MANUFACTURING SYSTEMS; 2018 48 10.1016/j.jmsy.2018.04.019

			0_16&partnerID=40&md5=700d7a28be10c1956e754921aa81a385"	
			Skrypnik Irina, Terziyan Vagan, Puuronen Seppo, Tsymbal Alexey, "Learning feature selection for medical databases", 1999, "Proceedings of the IEEE Symposium on Computer-Based Medical Systems" ,,,, "53", "58" ,, "https://www.scopus.com/inward/record.uri?eid=2-s2.0-0032683193&partnerID=40&md5=4a98aa9ee77649e7c55a83d02ae42c83"	Golovianko, Mariia; Gryshko, Svitlana; Terziyan, Vagan; From Deep Learning to Deep University: Cognitive Development of Intelligent Systems; SEMANTIC KEYWORD-BASED SEARCH ON STRUCTURED DATA SOURCES, IKC 2017; 2018 10546 10.1007/978-3-319-74497-1_8
			Terziyan V., Tsymbal A., Puuronen S., "The decision support system for telemedicine based oil multiple expertise", 1998, "International Journal of Medical Informatics", "49", "2" ,, "217", "229" ,, "10.1016/S1386-5056(98)00041-0", "https://www.scopus.com/inward/record.uri?eid=2-s2.0-0032054387&doi=10.1016%2fS1386-5056%2898%2900041-0&partnerID=40&md5=97fd11db449ad98b1eaedd8fdd8b3a4b"	Kaikova, H; Terziyan, V; Omelayenko, B; Recognizing bounds of context change in on-line learning; CHALLENGES OF INFORMATION TECHNOLOGY MANAGEMENT IN THE 21ST CENTURY; 2000
			Tsymbal Alexey, Puuronen Seppo, Terziyan Vagan, "Advanced dynamic selection of diagnostic methods", 1998, "Proceedings of the IEEE Symposium on Computer-Based Medical Systems" ,,,, "50", "54" ,, "https://www.scopus.com/inward/record.uri?eid=2-s2.0-0031640861&partnerID=40&md5=e4f1f3564c7a4bac68a10b41d2d175e3"	Terziyan, V; Puuronen, S; Kovalainen, M; Decision support system for telemedicine based on multiple expertise; TENTH IEEE SYMPOSIUM ON COMPUTER-BASED MEDICAL SYSTEMS, PROCEEDINGS; 1997 10.1109/CBMS.1997.596401

				Puuronen Seppo, Terziyan Vagan, "Voting-type technique in the refinement of multiple expert knowledge", 1997, "Proceedings of the Hawaii International Conference on System Sciences", "5", "287", "296", "10.1109/HICSS.1997.663355", " https://www.scopus.com/inward/record.uri?eid=2-s2.0-0031385333&doi=10.1109%2fHICSS.1997.663355&partnerID=40&md5=c31b96430613a9e2533a39fe6c2590b9 "		
				Terziyan Vagan, Puuronen Seppo, Kovalainen Mikko, "Decision support system for telemedicine based on multiple expertise", 1997, "Proceedings of the IEEE Symposium on Computer-Based Medical Systems", "8", "13", " https://www.scopus.com/inward/record.uri?eid=2-s2.0-0030642629&partnerID=40&md5=5906832048b2288250aa95c3ab0d5146 "		
	Пробле	ПОПОВ	12	1. Bodyanskiy YE, Popov S, Stephan A. Harmonic components detection in stochastic sequences using artificial neural networks. Comput Intell Appl [Internet]. 1999;162-6. Available from: www.scopus.com	12	Bodyanskiy, Yevgeniy; Popov, Sergiy; Neural network approach to forecasting of quasiperiodic financial time series; EUROPEAN JOURNAL OF OPERATIONAL RESEARCH; 2006 175 10.1016/j.ejor.2005.02.012
	мна	СЕРГІЙ				
	науков	ВІТАЛІЙОВИ				
	о-	Ч				
	дослід					
	на					
	лабора					
	торія					
	автома					
	тизова					
	них					
	систем					
	управлі					
	ння					

			2. Bodyanskiy Y, Otto P, Pliss I, Popov S. An optimal algorithm for combining multivariate forecasts in hybrid systems. In: Lecture Notes in Artificial Intelligence (Subseries of Lecture Notes in Computer Science) [Internet]; 2003:2003. p. 967-72. Available from: www.scopus.com	Popov, Sergiy; Kumar, Sandeep; Rapid Hydrothermal Deoxygenation of Oleic Acid over Activated Carbon in a Continuous Flow Process; ENERGY & FUELS; 2015 29 10.1021/acs.energyfuels.5b00308
			3. Bodyanskiy Y, Popov S. Fuzzy selection mechanism for multimodel prediction; 2004. 772 p. Available from: www.scopus.com	Bodyanskiy, Yevgeniy; Popov, Sergiy; Rybalchenko, Taras; Multilayer neuro-fuzzy network for short term electric load forecasting; COMPUTER SCIENCE - THEORY AND APPLICATIONS; 2008 5010
			4. Popov S. Nonlinear visualization of incomplete data sets; 2006. 524 p. Available from: www.scopus.com DOI: 10.1007/11753728_53	Popov, Sergiy; Abdel-Fattah, Tarek; Kumar, Sandeep; Hydrothermal treatment for enhancing oil extraction and hydrochar production from oilseeds; RENEWABLE ENERGY; 2016 85 10.1016/j.renene.2015.07.048
			5. Popov S. Large-scale data visualization with missing values. Technol Econ Develop Econ [Internet]. 2006;12(1):44-9. Available from: www.scopus.com	Bodyanskiy, Yevgeniy; Popov, Sergiy; Titov, Mykola; Robust Learning Algorithm for Networks of Neuro-Fuzzy Units; INNOVATIONS AND ADVANCES IN COMPUTER SCIENCES AND ENGINEERING; 2010 10.1007/978-90-481-3658-2 59
			6. Bodyanskiy Y, Popov S. Neural network approach to forecasting of quasiperiodic financial time series. Eur J Oper Res [Internet]. 2006;175(3):1357-66. Available from: www.scopus.com	Popov, Sergiy; Kumar, Sandeep; Novel integrated process for producing oil and biochar from oilseeds; ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY; 2014 247

			7. Bodyanskiy Y, Popov S, Rybalchenko T. Multilayer neuro-fuzzy network for short term electric load forecasting; 2008. 339 p. Available from: www.scopus.com DOI: 10.1007/978-3-540-79709-8_34	Listunov, Dymytrii; Popov, Kirill; Volovenko, Yulian; Popov, Sergiy; SYNTHETIC MODIFICATION OF 1,3-THIAZOLIDIN-4-ONE 1,1-DIOXIDES; PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS; 2013 188 10.1080/10426507.2013.787998
			8. Bodyanskiy Y, Popov S, Rybalchenko T. Feedforward neural network with a specialized architecture for estimation of the temperature influence on the electric load. In: 2008 4th International IEEE Conference Intelligent Systems, IS 2008 [Internet]; 20082008. p. 714-8. Available from: www.scopus.com DOI: 10.1109/IS.2008.4670444	Bodyanskiy, Yevgeniy; Popov, Sergiy; Titov, Mykola; Function Decomposition Network; ARTIFICIAL NEURAL NETWORKS - ICANN 2009, PT I; 2009 5768
			9. Bodyanskiy Y, Popov S, Titov M. Function decomposition network; 2009. 718 p. Available from: www.scopus.com DOI: 10.1007/978-3-642-04274-4_74	Bodyanskiy, Yevgeniy; Popov, Sergiy; Rybalchenko, Taras; Feedforward Neural Network with a Specialized Architecture for Estimation of the Temperature Influence on the Electric Load; 2008 4TH INTERNATIONAL IEEE CONFERENCE INTELLIGENT SYSTEMS, VOLS 1 AND 2; 2008
			10. Bodyanskiy Y, Popov S, Titov M. Robust learning algorithm for networks of neuro-fuzzy units. In: Innovations and Advances in Computer Sciences and Engineering [Internet]; 20102010. p. 343-6. Available from: www.scopus.com DOI: 10.1007/978-90-481-3658-2_59	Popov, Sergiy; Nonlinear visualization of incomplete data sets; COMPUTER SCIENCE - THEORY AND APPLICATIONS; 2006 3967
			11. Chernenko P, Martyniuk O, Popov S, Ye B. Comparative analysis of two approaches to solving the problem of short-term forecasting of the total electrical load of a power system. Tech Electrodyne [Internet]. 2013(3):61-72. Available from: www.scopus.com	Bodyanskiy, Y; Popov, S; Fuzzy selection mechanism for multimodel prediction; KNOWLEDGE-BASED INTELLIGENT INFORMATION AND ENGINEERING SYSTEMS, PT 2, PROCEEDINGS; 2004 3214

				12. Popov S, Gurtovyl M. Design of mathematical model of electric car with combined energy supply modes. East -Eur J Enterp Technol [Internet]. 2015;5(8):4-8. Available from: www.scopus.com		Bodyanskiy, Y; Otto, P; Pliss, I; Popov, S; An optimal algorithm for combining multivariate forecasts in hybrid systems; KNOWLEDGE-BASED INTELLIGNET INFORMATION AND ENGINEERING SYSTEMS, PT 2, PROCEEDINGS; 2003 2774
ITM	ІНФ	МАШТАЛІР СЕРГІЙ ВОЛОДИМИР ОВИЧ	11	1. Mashtalir S, Shcherbinin K, Yegorova E. Internal and external salient points under affine transformations. Comparative study. In: 14th International Conference in Central Europe on Computer Graphics, Visualization and Computer Vision 2006, WSCG'2006 - In Co-operation with EUROGRAPHICS, Full Papers Proceedings [Internet]; 20062006. p. 217-23. Available from: www.scopus.com	7	Mashtalir, Sergii; Mashtalir, Volodymyr; Sequential Temporal Video Segmentation via Spatial Image Partitions; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
				2. Bodyanskiy Y, Grimm P, Mashtalir S, Vinarski V. Fast training of neural networks for image compression; 2010. 165 p. Available from: www.scopus.com DOI: 10.1007/978-3-642-14400-4_13		Bodyanskiy, Yevgeniy; Grimm, Paul; Mashtalir, Sergey; Vinarski, Vladimir; Fast Training of Neural Networks for Image Compression; ADVANCES IN DATA MINING: APPLICATIONS AND THEORETICAL ASPECTS; 2010 6171
				3. Mashtalir S, Mashtalir V. Sequential temporal video segmentation via spatial image partitions. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 20162016. p. 239-42. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583549		Mashtalir, Sergii; Mikhnova, Olena; Detecting Significant Changes in Image Sequences; MULTIMEDIA FORENSICS AND SECURITY: FOUNDATIONS, INNOVATIONS, AND APPLICATIONS; 2017 115 10.1007/978-3-319-44270-9_8
				4. Mashtalir S, Mikhnova O. Detecting significant changes in image sequences; 2017. 161 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-44270-9_8		Mashtalir, S. V.; Stolbovyi, M. I.; ADAPTIVE MATRIX MODELS IN THE VIDEO STREAMS CONTROL PROBLEM; RADIO ELECTRONICS COMPUTER SCIENCE CONTROL; 2018 10.15588/1607-3274-

					2018-4-18
				5. Oleg K, Sergii M, Mykhailo S. Video clustering via multidimensional time-series analysis. In: ACM International Conference Proceeding Series [Internet]; 2017. p. 60-3. Available from: www.scopus.com DOI: 10.1145/3149572.3149599	Mashtalir, Sergii; Mashtalir, Volodymyr; Stolbovyi, Mykhailo; Representative Based Clustering of Long Multivariate Sequences with Different Lengths; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
				6. Hu Z, Mashtalir SV, Tyshchenko OK, Stolbovyi MI. Video shots' matching via various length of multidimensional time sequences. Int J Intell Syst Appl [Internet]. 2017;9(11):10-6. Available from: www.scopus.com	Mashtalir, Sergii; Mikhnova, Olena; Stolbovyi, Mykhailo; Sequence Matching for Content-Based Video Retrieval; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
				7. Mashtalir S, Mikhnova O. Detecting significant changes in image sequences In: Computer Vision: Concepts, Methodologies, Tools, and Applications. [Internet]. ; 2018 p. 80-109. Available from: www.scopus.com DOI: 10.4018/978-1-5225-5204-8.ch004	Mashtalir, S.; Shcherbinin, K.; Yegorova, E.; Internal and External Salient Points under Affine Transformations. Comparative Study; WSCG 2006: FULL PAPERS PROCEEDINGS: 14TH INTERNATIONAL CONFERENCE IN CENTRAL EUROPE ON COMPUTER GRAPHICS, VISUALIZATION AND COMPUTER VISION 2006; 2006
				8. Hu Z, Mashtalir SV, Tyshchenko OK, Stolbovyi MI. Clustering matrix sequences based on the iterative dynamic time deformation procedure. Int J Intell Syst Appl [Internet]. 2018;10(7):66-73. Available from: www.scopus.com	

				9. Mashtalir S, Mikhnova O, Stolbovyi M. Sequence Matching for Content-Based Video Retrieval. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 549-53. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478597		
				10. Mashtalir S, Mashtalir V, Stolbovyi M. Representative Based Clustering of Long Multivariate Sequences with Different Lengths. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 545-8. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478493		
				11. Kinoshenko D, Mashtalir S, Shlyakhov V, Stolbovyi M. Video shots retrieval with use of pivot points; 2019. 102 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-91008-6_11		
АКТ	КІТАМ	СОТНИК СВІТЛАНА ВІКТОРІВНА	11	1. Nevludov I, Sotnik S, Frolov A, Demska N. Development of the comprehensive method for quality assessment of plastic parts. East -Eur J Enterp Technol [Internet]. 2017;1(1-85):18-26. Available from: www.scopus.com	1	Plesnetsov, S. Yu.; Petrishchev, O. N.; Mygushchenko, R. P.; Suchkov, G. M.; Sotnik, S. V.; Kropachek, O. Yu.; POWERFUL SOURCES OF PULSE HIGH-FREQUENCY ELECTROMECHANICAL TRANSDUCERS FOR MEASUREMENT, TESTING AND DIAGNOSTICS; ELECTRICAL ENGINEERING & ELECTROMECHANICS; 2018 10.20998/2074-272X.2018.2.05
				2. Sotnik S, Matarneh R, Lyashenko V. System model tooling for injection molding. Int J Mech Eng Technol [Internet]. 2017;8(9):378-90. Available from: www.scopus.com		

				3. Matarneh R, Sotnik S, Deineko Z, Lyashenko V. Highlights methodology of time characteristics optimization for plastic products production. Int J Eng Technol [Internet]. 2018;7(1):165-73. Available from: www.scopus.com		
				4. Matarneh R, Sotnik S, Belova N, Lyashenko V. Automated modeling of shaft leading elements in the rear axle gear. Int J Eng Technol [Internet]. 2018;7(3):1468-73. Available from: www.scopus.com		
				5. Matarneh R, Sotnik S, Lyashenko V. Search of the molding form connector plane on the approximation basis by the many-sided surface with use of the convex sets theory. Int J Mech Prod Eng Res Dev [Internet]. 2018;8(1):977-88. Available from: www.scopus.com		
				6. Lyashenko V, Ahmad MA, Sotnik S, Deineko Z, Khan A. Defects of communication pipes from plastic in modern civil engineering. Int J Mech Prod Eng Res Dev [Internet]. 2018;8(1):253-62. Available from: www.scopus.com		
				7. Al-Sherrawi MH, Saadoon AM, Sotnik S, Lyashenko V. Information model of plastic products formation process duration by injection molding method. Int J Mech Eng Technol [Internet]. 2018;9(3):357-66. Available from: www.scopus.com		
				8. Al-Sherrawi MH, Edaan IM, Al-Rumaithi A, Sotnik S, Lyashenko V. Features of plastics in modern construction use. Int J Civ Eng Technol [Internet]. 2018;9(4):975-84. Available from: www.scopus.com		
				9. Al-Sherrawi MH, Lyashenko V, Edaan EM, Sotnik S. Corrosion as a source of destruction in construction. Int J Civ Eng Technol [Internet]. 2018;9(5):306-14. Available from: www.scopus.com		

				10. Matarneh R, Sotnik S, Lyashenko V. Polymers in cardiovascular surgery. Asian J Pharm Clin Res [Internet]. 2018;11(5):58-63. Available from: www.scopus.com		
				11. Al-Sherrawi MH, Lyashenko V, Edaan EM, Sotnik S. Corrosion of metal construction structures. Int J Civ Eng Technol [Internet]. 2018;9(6):437-46. Available from: www.scopus.com		
ОПТ	КРiCT ЗI	МЕДВЕДЕВ ЄВГЕН ОЛЕКСАНДРО ВИЧ	11	1. Luchaninov A, Medvedev E, Rashid Owaid S. Peculiarities of Poklington equation application to carbon nanotube antennas analysis. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 2012:2012. p. 491. Available from: www.scopus.com		
				2. Luchaninov AI, Medvedev EA, Owaid SR. Carbon nanotubes interference. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 2013:2013. p. 509-11. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650829		
				3. Luchaninov AI, Medvedev EA, Wide SR. The pocklington equation application to analysis of antennas made of carbon nanotubes. Telecommun Radio Eng [Internet]. 2014;73(15):1313-25. Available from: www.scopus.com		
				4. Vovchenko VS, Medvedev EA, Strelnitskiy AA. Simulation and evaluation of losses in digital information transmission systems of LTE and LTE-advanced standard for different configurations of MIMO systems. Telecommun Radio Eng [Internet]. 2015;74(10):885-93. Available from: www.scopus.com		

				5. Luchaninov AI, Gretskih DV, Medvedev EA, Chemerovskyi AS. Mutual influence of carbon nanotubes. Telecommun Radio Eng [Internet]. 2015;74(15):1327-41. Available from: www.scopus.com		
				6. Gavva DS, Medvedev EA. The influence of rf switches upon the properties of reconfigurable antennas. part 1: Single-frequency excitation. Telecommun Radio Eng [Internet]. 2017;76(11):963-81. Available from: www.scopus.com		
				7. Gavva DS, Medvedev EA. The influence of non-linear characteristics of the RF switches upon the pattern of the reconfigurable antenna. Telecommun Radio Eng [Internet]. 2017;76(17):1509-21. Available from: www.scopus.com		
				8. Gavva DS, Medvedev EA. The influence of RF switches upon the properties of reconfigurable antennas. part 2: Multi-frequency excitation. Telecommun Radio Eng [Internet]. 2017;76(12):1057-67. Available from: www.scopus.com		
				9. Glushchenko AA, Medvedev EA, Gorelov DY. On the asteroid-comet danger. Telecommun Radio Eng [Internet]. 2018;77(5):451-60. Available from: www.scopus.com		
				10. Gavva DS, Medvedev E, Ivanova O, Sharapova EV. Non-linear effects in configurable antenna. Radioelectron Commun Syst [Internet]. 2018;61(3):94-109. Available from: www.scopus.com		
				11. Gavva DS, Strelitskiy AA, Gretskih DV, Gorelov DY, Medvedev EA. Impact of non-linear switch characteristics on the reconfigured antenna properties. In: 14th International Conference on Advanced Trends		

				in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 591-6. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336272		
ОПТ	КРІСТ ЗІ	РИБАЛКО ОЛЕКСАНДР МИТРОФАН ВИЧ	11	1. Luchaninov AI, Shokalo VM, Konoval'tsev AA, Rybalko AM, Shcherbina AA. Theoretical and experimental studies of large-aperture rectenna arrays. Telecommun Radio Eng [Internet]. 1998;52(6):87-92. Available from: www.scopus.com	4	Golikov, VS; Rybalko, AM; Tokarskii, PL; Limited polarization losses of antenna arrays; IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII RADIOELEKTRONIKA; 2003 46
				2. Shokalo VM, Rybalko AM, Luchaninov YA, Konovaltsev AA, Gretskih DV. Rectennas alternative design for efficient systems of wireless power transmission. In: CriMiCo 2002 - 12th International Conference "Microwave and Telecommunication Technology", Conference Proceedings [Internet]; 20022002. p. 286-7. Available from: www.scopus.com DOI: 10.1109/CRMICO.2002.1137239		Shokalo, VM; Gretskih, DV; Rybalko, AM; Efficiency of wireless power transmission system with non-axial arrangement of transmitting and receiving apertures; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003
				3. Rybalko AM, Sevsky SV, Shokalo VM. Efficiency of energy transmission with microwave beam under parabolic amplitude distribution of the exited field. Telecommun Radio Eng [Internet]. 2002;57(1):95-100. Available from: www.scopus.com		Shokalo, VM; Rybalko, AM; Luchaninov, YA; Konovaltsev, AA; Gretskih, DV; Rectennas alternative design for efficient systems of wireless power transmission; 12TH INTERNATIONAL CONFERENCE - MICROWAVE & TELECOMMUNICATION TECHNOLOGY, CONFERENCE PROCEEDINGS; 2002 10.1109/CRMICO.2002.1137239
				4. Shokalo VM, Gretskih DV, Rybalko AM. Efficiency of wireless power transmission system with non-axial arrangement of transmitting and receiving apertures. In: 4th International Conference on Antenna Theory and Techniques, ICATT 2003 [Internet]; 20032003. p. 846-51. Available from: www.scopus.com DOI:		Tokarskii, PL; Rybalko, AM; Sinepup, AV; Optimization of energy parameters in antenna arrays with a suppressed level of cross-polarized radiation; IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII RADIOELEKTRONIKA; 2000 43

				10.1109/ICATT.2003.1238886		
				5. Golikov VS, Rybalko AM, Tokarskij PL. Limiting polarization losses of antenna arrays. Izv Vysshikh Uchebnykh Zavedenij Radioelektron [Internet]. 2003;46(7):44-53. Available from: www.scopus.com		
				6. Rybalko AM, Maistrenko GV. Study on efficiency of interference suppression by the two-element antenna array. Telecommun Radio Eng [Internet]. 2006;65(20):1837-43. Available from: www.scopus.com		
				7. Demidov SA, Rybalko AM. Simple iteration method in problems of adaptive signal processing. Telecommun Radio Eng [Internet]. 2007;66(17):1549-58. Available from: www.scopus.com		
				8. Shokalo VM, Rybalko AM, Konovaltsev AA, Omarov MA, Gretskih DB. Performance of microwave wireless power transmission systems with non-optimal interception efficiency. Telecommun Radio Eng [Internet]. 2007;66(18):1667-75. Available from: www.scopus.com		
				9. Maystrenko GV, Rybalko AM. Spatial filtering of adaptive antenna array signals under conditions of noise arrival from random directions. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2011. p. 427-8. Available from: www.scopus.com		

				10. Maistrenko GV, Rybalko AM, Shokalo VM, Strelnitskiy AA. Noise immunity of broadband digital communication channels with adaptive antennas and M-phase signal modulation. In: 2012 6th International Conference on Ultrawideband and Ultrashort Impulse Signals, UWBUSIS 2012 - Conference Proceedings [Internet]; 2012. p. 105-7. Available from: www.scopus.com DOI: 10.1109/UWBUSIS.2012.6379747		
				11. Maistrenko GV, Rybalko AM, Strelnitskiy AA, Shokalo VM. Influence of random variation of the interference arrival direction on noise-immunity of wi-fi communication channel with adaptive antennas. Telecommun Radio Eng [Internet]. 2013;72(10):907-18. Available from: www.scopus.com		
MTE	MBT	ЗАХАРОВ ІГОР ПЕТРОВИЧ	11	1. Zakharov IP, Shtefan NV. Identification of the dynamic characteristics of aperiodic microwave power transducers. Telecommun Radio Eng [Internet]. 1998;52(3):19-23. Available from: www.scopus.com	8	Zakharov, Igor P.; Vodotyka, Sergey V.; APPLICATION OF MONTE CARLO SIMULATION FOR THE EVALUATION OF MEASUREMENTS UNCERTAINTY; METROLOGY AND MEASUREMENT SYSTEMS; 2008 15
				2. Zakharov I, Shtefan N. Minimization of uncertainties in measurements with repeated observations. In: 10th IMEKO TC7 Symposium on Advances of Measurement Science 2004 [Internet]; 2004. p. 189-92. Available from: www.scopus.com		Zakharov, IP; Shtefan, NV; Algorithms for reliable and effective estimation of type A uncertainty; MEASUREMENT TECHNIQUES; 2005 48 10.1007/s11018-005-0160-7
				3. Zakharov IP, Shtefan NV. Algorithms for reliable and effective estimation of type A uncertainty. Meas Tech [Internet]. 2005;48(5):427-37. Available from: www.scopus.com		Zakharov, I. P.; Vodotyka, S. V.; Klimova, K. A.; Shevchenko, N. S.; Some examples of the evaluation of measurement uncertainty; MEASUREMENT TECHNIQUES; 2013 56 10.1007/s11018-013-0250-x

			4. Zakharov IP. Estimating measurement uncertainty on the basis of observed and logical correlation. Meas Tech [Internet]. 2007;50(8):808-16. Available from: www.scopus.com	Zakharov, I. P.; Botsyura, O. A.; Estimation of Expanded Uncertainty in Measurement When Implementing a Bayesian Approach; MEASUREMENT TECHNIQUES; 2018 61 10.1007/s11018-018-1431-4
			5. Zakharov IP, Vodotyka SV. Application of monte carlo simulation for the evaluation of measurements uncertainty. Metrol Meas Sys [Internet]. 2008;15(1):117-23. Available from: www.scopus.com	Zakharov, Igor; Neyezhmakov, Pavel; Botsiura, Olesia; Verification of the Indicating Measuring Instruments Taking into Account their Instrumental Measurement Uncertainty; MEASUREMENT SCIENCE REVIEW; 2017 17 10.1515/msr-2017-0033
			6. Zakharov IP, Vodotyka SV, Shevchenko EN. Methods, models, and budgets for estimation of measurement uncertainty during calibration. Meas Tech [Internet]. 2011;54(4):387-99. Available from: www.scopus.com	Zakharov, I.; Neyezhmakov, P.; Peculiarity of Measurement Instruments Verification by Results of their Calibrations; 2017 11TH INTERNATIONAL CONFERENCE ON MEASUREMENT; 2017
			7. Zakharov IP, Vodotyka SV, Klimova KA, Shevchenko NS. Some examples of the evaluation of measurement uncertainty. Meas Tech [Internet]. 2013;56(6):591-8. Available from: www.scopus.com	Zakharov, I. P.; Vodotyka, S. V.; Shevchenko, E. N.; METHODS, MODELS, AND BUDGETS FOR ESTIMATION OF MEASUREMENT UNCERTAINTY DURING CALIBRATION; MEASUREMENT TECHNIQUES; 2011 54 10.1007/s11018-011-9737-5
			8. Zakharov I, Neyezhmakov P. Peculiarity of measurement instruments verification by results of their calibrations. In: 2017 11th International Conference on Measurement, MEASUREMENT 2017 - Proceedings [Internet]; 20172017. p. 19-22. Available from: www.scopus.com DOI: 10.23919/MEASUREMENT.2017.7983526	Zakharov, I. P.; Estimating measurement uncertainty on the basis of observed and logical correlation; MEASUREMENT TECHNIQUES; 2007 50 10.1007/s11018-007-0154-8

				9. Zakharov I, Neyezhmakov P, Botsiura O. Verification of the indicating measuring instruments taking into account their instrumental measurement uncertainty. Meas Sci Rev [Internet]. 2017;17(6):269-72. Available from: www.scopus.com		
				10. Zakharov IP, Botsyura OA. Estimation of expanded uncertainty in measurement when implementing a bayesian approach. Meas Tech [Internet]. 2018;61(4):342-6. Available from: www.scopus.com		
				11. Botsiura O, Zakharov I, Neyezhmakov P. Reduction of the measurand estimate bias for nonlinear model equation. In: Journal of Physics: Conference Series [Internet]; 20182018Available from: www.scopus.com DOI: 10.1088/1742-6596/1065/21/212002		
КН	ПІ	ДУДАР ЗОЯ ВОЛОДИМИРІ ВНА	11	1. Dudar Z, Vorocek O, Basova O. Theoretical foundations of the meta context data exchange. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 7th International Conference, CADSM 2003 [Internet]; 20032003. p. 272. Available from: www.scopus.com DOI: 10.1109/CADSM.2003.1255058	6	Krivoulya, Gennady; Dudar, Zoya; Kucherenkov, Dariya; Sami, Mehana; Fuzzy Expert System for Diagnosis of Computer Failures; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS: PROCEEDINGS OF THE XTH INTERNATIONAL CONFERENCE CADSM 2009; 2009
				2. Biletskiy YV, Dudar ZV, Vorocek OG. Integration of ontologies for meta-context mediation. In: Proceedings of the IASTED International Conference on Artificial Intelligence and Soft Computing [Internet]; 20032003. p. 327-32. Available from: www.scopus.com		Dudar, Zoya; Revenchuk, Ilona; Training of specialists in radio electronics in terms of Bologna process; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006

			3. Biletskiy YV, Dudar ZV, Vorocek OG. Genetic search for integration of ontologies. In: Proceedings of the International Conference on Information and Knowledge Engineering [Internet]; 20032003. p. 57-63. Available from: www.scopus.com	Dudar, Zoya; Medovoy, Alexander; The Data Quality Estimation for the Information Web Resources; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS: PROCEEDINGS OF THE XTH INTERNATIONAL CONFERENCE CADSM 2009; 2009
			4. Biletskiy Y, Câmpeanu C, Dudar Z, Vorocek O. Meta-context mediation to attain semantic interoperability. In: 2004 2nd International IEEE Conference 'Intelligent Systems' - Proceedings [Internet]; 20042004. p. 238-43. Available from: www.scopus.com	Dudar, Zoya; Medovoy, Alexander; Internet-projects assessment criteria validity, problems and perspectives for proceedings of international conference CADSM 2007; 2007 PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2007 10.1109/CADSM.2007.4297623
			5. Dudar Z, Revenchuk I. Training of specialists in radio electronics in terms of Bologna process. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 716-7. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404703	Bilokon, Vasyly; Dudar, Zoya; Vorocek, Olga; Vorocek, Svitlana; Theoretical foundations of the models and methods of information search for structured digital library; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006
			6. Bilokon V, Dudar Z, Vorocek O, Vorocek S. Theoretical foundations of the models and methods of information search for structured digital library. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 75-6. Available from:	Dudar, Z; Vorocek, O; Basova, O; Theoretical foundations of the metacoritext data exchange; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2003 10.1109/CADSM.2003.1255058

				www.scopus.com DOI: 10.1109/TCSET.2006.4404449		
				7. Dudar Z, Medovoy A, Olga VG. Internet-projects assessment criteria validity, problems and perspectives for proceedings of international conference CADSM 2007. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 2007. p. 477-8. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297623		
				8. Dudar Z, Medovoy A. The data quality estimation for the information web resources. In: Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 10th International Conference, CADSM 2009 [Internet]; 2009. p. 405-6. Available from: www.scopus.com		
				9. Krivoulya G, Dudar Z, Kucherenko D, Sami M. Fuzzy expert system for diagnosis of computer failures. In: Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 10th International Conference, CADSM 2009 [Internet]; 2009. p. 225-30. Available from: www.scopus.com		
				10. Bondarenko MF, Dudar ZV, Revenchuk IA. Information systems and technologies used in distance form of education at the university In: Information and Computer Technologies - Theory and Practice: Proceedings of the International Scientific Conference ICTMC-2010 Devoted to the 80th Anniversary of I.V. Prangishvili. [Internet]. ; 2012 p. 29-36. Available from:		

				www.scopus.com		
				11. Rabotiahov A, Kobylin O, Dudar Z, Lyashenko V. Bionic image segmentation of cytology samples method. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018. p. 665-70. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336289		
КН	ПІ	ЄРОХІН АНДРІЙ ЛЕОНІДОВИЧ	11	1. Biletskiy Y, Chikina V, Yerokhin A, Grib O, Kaluzhny D, Senderovich G. Decision making support at emergency situations in electric systems. In: Series on Energy and Power Systems [Internet]; 2004. p. 199-204. Available from: www.scopus.com	6	Yerokhin, Andriy; Nechyporenko, Alina; Babii, Andrii; Turuta, Oleksii; A New Intelligence-Based Approach for Rhinomanometric Data Processing; 2016 IEEE 36TH INTERNATIONAL CONFERENCE ON ELECTRONICS AND NANOTECHNOLOGY (ELNANO); 2016
				2. Biletskiy Y, Chikina V, Yerokhin A, Grib O, Kaluzhny D, Senderovich G. Methods and models for decision-making support at emergency events in power systems. WSEAS Trans Syst [Internet]. 2005;4(8):1349-53. Available from: www.scopus.com		Yerokhin, A. L.; Babii, A. S.; Nechyporenko, A. S.; Turuta, O. P.; A Lars-Based Method of the Construction of a Fuzzy Regression Model for the Selection of Significant Features; CYBERNETICS AND SYSTEMS ANALYSIS; 2016 52 10.1007/s10559-016-9867-5
				3. Biletskiy Y, Chikina V, Yerokhin A, Grib O, Kaluzhny D, Senderovich G. Methods and models for control of emergency situations in power systems. WSEAS Trans Syst [Internet]. 2005;4(8):1339-48. Available from: www.scopus.com		Yerokhin, Andriy; Turuta, Oleksii; Babii, Andrii; Nechyporenko, Alina; Mahdalina, Ihor; Usage of Phase Space Diagram to Finding Significant Features of Rhinomanometric Signals; 2016 XITH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE COMPUTER SCIENCES

					AND INFORMATION TECHNOLOGIES (CSIT); 2016
				4. Yerokhin A, Nechyporenko A, Linyk E, Suverov D. A software and hardware system for studying the function of ostiomeatal complex. East -Eur J Enterp Technol [Internet]. 2015;5(9):9-13. Available from: www.scopus.com	Yerokhin, Andriy; Semenets, Valerii; Nechyporenko, Alina; Turuta, Oleksii; Babii, Andrii; F-transform 3D Point Cloud Filtering Algorithm; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
				5. Yerokhin A, Nechyporenko A, Babii A, Turuta O. Usage of F-transform to finding informative parameters of rhinomanometric signals. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 20152015. p. 129-32. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325449	Yerokhin, Andriy; Turuta, Oleksii; Babii, Andrii; Nechyporenko, Alina; Intelligent Information System of Heterogeneous Medical Data Analysis; PROCEEDINGS OF THE 2017 12TH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE ON COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT 2017), VOL. 1; 2017
				6. Yerokhin A, Nechyporenko A, Babii A, Turuta O. A new intelligence-based approach for rhinomanometric data processing. In: 2016 IEEE 36th International Conference on Electronics and Nanotechnology, ELNANO 2016 - Conference Proceedings [Internet]; 20162016. p. 198-201. Available from: www.scopus.com DOI: 10.1109/ELNANO.2016.7493047	Yerokhin, Andriy; Nechyporenko, Alina; Babii, Andrii; Turuta, Oleksii; Processing and Analysis of Rhinomanometric Signals by F-transform Approximation; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
				7. Yerokhin AL, Babii AS, Nechyporenko AS, Turuta OP. A lars-based method of the construction of a fuzzy regression model for the selection of significant features. Cybern Syst Anal [Internet]. 2016;52(4):641-6.	

				Available from: www.scopus.com		
				8. Yerokhin A, Nechyporenko A, Babii A, Turuta O. Processing and analysis of rhinomanometric signals by F-transform approximation. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 20162016. p. 314-7. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583566		
				9. Yerokhin A, Turuta O, Babii A, Nechyporenko A, Mahdalina I. Usage of phase space diagram to finding significant features of rhinomanometric signals. In: Computer Sciences and Information Technologies - Proceedings of the 11th International Scientific and Technical Conference, CSIT 2016 [Internet]; 20162016. p. 70-2. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2016.7589871		
				10. Yerokhin A, Turuta O, Babii A, Nechyporenko A. Intelligent information system of heterogeneous medical data analysis. In: Proceedings of the 12th International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2017 [Internet]; 20172017. p. 332-5. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2017.8098798		
				11. Yerokhin A, Semenets V, Nechyporenko A, Turuta O, Babii A. F-transform 3D Point Cloud Filtering Algorithm. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 524-		

				7. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478581		
КН	СТ	СИТНИКОВ ДМИТРО ЕДУАРДОВИЧ	11	1. Sitnikov DE, D'Cruz B, Sitnikova PE. Discovering salient data features by composing and manipulating logical equations; 2000. 241 p. Available from: www.scopus.com	2	Titova, E; Sitnikov, D; Ryabov, O; D'Cruz, B; Romanenko, O; A method for generating aggregated associations between discrete data features; Data Mining VI: Data Mining, Text Mining and Their Business Applications; 2005
				2. Sitnikov DE, D'Cruz B, Sitnikova PE. A method for knowledge representation and discovery based on composing and manipulating logical equations. Manage Inf Syst [Internet]. 2002;6:21-30. Available from: www.scopus.com		Minukhin, S. V.; Losev, M. U.; Sitnikov, D. E.; ANALYSIS OF WAYS FOR EXCHANGING DATA IN NETWORKS WITH PACKAGE COMMUTATION; RADIO ELECTRONICS COMPUTER SCIENCE CONTROL; 2018 10.15588/1607-3274-2018-4-19
				3. Sitnikov D, Ryabov O. An algebraic approach to defining rough set approximations and generating logic rules; 2004. 179 p. Available from: www.scopus.com		
				4. Sitnikov D, Titova E, Ryabov O. A method for association rule quality evaluation based on information theory. In: WIT Transactions on Information and Communication Technologies [Internet]; 20062006. p. 25-34. Available from: www.scopus.com DOI: 10.2495/DATA060031		
				5. Sitnikov D, Ryabov O, Titova O, Romanenko O. A generalized algebraic approach to finding rough set approximations and generating logic rules. In: WIT Transactions on Information and Communication Technologies [Internet]; 20072007. p. 3-12. Available from: www.scopus.com DOI: 10.2495/DATA070011		

				6. Sitnikov D, Matski N, Ryabov O. Defining logic structures in functional spaces. In: WIT Transactions on Information and Communication Technologies [Internet]; 20072007. p. 75-81. Available from: www.scopus.com DOI: 10.2495/DATA070081		
				7. Sitnikov D, Titova O, Romanenko O, Ryabov O. An approach to finding reduced sets of information features describing discrete objects based on rough sets theory. In: WIT Transactions on Information and Communication Technologies [Internet]; 20082008. p. 3-5. Available from: www.scopus.com DOI: 10.2495/DATA080011		
				8. Sitnikov D, Titova O, Romanenko O, Ryabov O. A method for finding minimal sets of features adequately describing discrete information objects. In: WIT Transactions on Information and Communication Technologies [Internet]; 20092009. p. 135-42. Available from: www.scopus.com DOI: 10.2495/DATA090141		
				9. Sitnikov D, Sitnikov A, Ryabov O. A method for building desktop software automated update systems. In: WIT Transactions on Information and Communication Technologies [Internet]; 20132013. p. 105-11. Available from: www.scopus.com DOI: 10.2495/DATA130101		
				10. Sitnikov D, Ryabov O, Mishcheriakov I, Kovalenko A. A rough set based algebraic approach to modelling complex systems. Int J Des Nat ecodyn [Internet]. 2018;13(3):324-9. Available from: www.scopus.com		
				11. Sitnikov D, Ryabov O, Titova O, Kovalenko A. Assessment of extended aggregated association rules. In: Proceedings of 2018 IEEE 9th International Conference on Dependable Systems, Services and		

				Technologies, DESSERT 2018 [Internet]; 20182018. p. 93-7. Available from: www.scopus.com DOI: 10.1109/DESSERT.2018.8409106		
ЕЛЫ	ФОЕТ	ГНАТЕНКО ОЛЕКСАНДР СЕРГІЙОВИЧ	11	1. Guriev IV, Sukhoivanov IA, Gnatenko AS, Lipkina VI. Multiple plane waves expansion method for dispersive media. Telecommun Radio Eng [Internet]. 2008;67(9):833-41. Available from: www.scopus.com		
				2. Gnatenko AS, McHekhin YP. Generation mode stability of a fiber ring laser. Telecommun Radio Eng [Internet]. 2015;74(7):641-7. Available from: www.scopus.com		
				3. Gnatenko AS, Machekhin YP, Kurskoy YS, Obozna VP. Providing mode locking in fiber ring lasers. J Nano Electron Phys [Internet]. 2018;10(2) Available from: www.scopus.com		
				4. Machekhin YP, Gnatenko AS, Kurskoy YS. Photonic crystal nanolasers as optical frequency standards. Telecommun Radio Eng [Internet]. 2018;77(13):1169-77. Available from: www.scopus.com		
				5. Machekhin YP, Kurskoy YS, Gnatenko AS. Laser anemometry method for particle velocity measurement in the bose-einstein condensate. Telecommun Radio Eng [Internet]. 2018;77(17):1555-63. Available from: www.scopus.com		
				6. MacHekhin YP, Kurskoi YS, Gnatenko AS. Physical and mathematical foundations of measurements in nonlinear dynamic systems. Telecommun Radio Eng [Internet]. 2018;77(18):1631-7. Available from: www.scopus.com		

				7. Kurskoy YS, Machekhin YP, Gnatenko AS. Entropy evaluation of the laser cooling process. J Nano Electron Phys [Internet]. 2018;10(5) Available from: www.scopus.com		
				8. Vasyanovich AV, Gnatenko AS, Pustyl'nikov DV. Optimization of thermal regime of continuous CO ₂ -lasers with diffusion cooling. Telecommun Radio Eng [Internet]. 2018;77(19):1685-95. Available from: www.scopus.com		
				9. Natarova YV, Galat AB, Gnatenko AS. Investigation of photoelectric converters based on different semiconductor materials. J Nano Electron Phys [Internet]. 2018;10(4) Available from: www.scopus.com		
				10. Machekhin YP, Kurskoy YS, Gnatenko AS, Tkachenko VA. Nanolaser superradiation in information and measuring procedures. Telecommun Radio Eng [Internet]. 2018;77(13):1179-86. Available from: www.scopus.com		
				11. Gnatenko AS, Machekhin YP, Kurskoy YS, Obozna VP, Vasyanovych AV. Ring fiber lasers for telecommunication systems. Telecommun Radio Eng [Internet]. 2018;77(6):541-8. Available from: www.scopus.com		
	Науков о дослід ний центр інтегро ваних інформ аційни	ДОХОВ ОЛЕКСАНДР ІВАНОВИЧ	11	1. Clutter R, Dokhov AI, Zhirnov VV, Matyushenko SN, Sakhnovskaya LZ. Possible causes and sources of angel-type. Telecommun Radio Eng [Internet]. 1998;52(4):1-6. Available from: www.scopus.com	4	Galeev, E. R.; Dokhov, A. I.; Valevakhin, G. N.; MULTIFUNCTIONAL CONVECTIONAL MICROWAVE UNIT; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015

	х радіоел ектрон них систем та технол огій				
			2. Clutter R, Dokhov AI, Zhirnov VV, Matyushenko SN, Sakhnovskaya LZ. Principles of protection against angel-type. Telecommun Radio Eng [Internet]. 1998;52(4):7-11. Available from: www.scopus.com		Kontar, A. A.; Dokhov, A. I.; Galeev, E. R.; INITIATION OF SULFUR CHEMISORPTION REACTIONS UNDER ACTION OF ELECTROMAGNETIC MICROWAVE ENERGY IN DIESEL FUEL; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
			3. Dokhov AI, Zhirnov VV, Lukyanenko NE. Microwave-based technology of medical plaster bandage manufacturing and a plant for its implementation. In: 2000 10th International Crimean Microwave Conference "Microwave and Telecommunication Technology", CriMico 2000 [Internet]; 20002000. p. 559-60. Available from: www.scopus.com DOI: 10.1109/CRMICO.2000.1256226		Valevakhin, G. N.; Kontar, A. A.; Galeev, E. R.; Dokhov, A. I.; INTENSIFICATION OF THE PROCESS OF DEHYDRATING ALCOHOL BY MICROWAVE ELECTROMAGNETIC ENERGY; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
			4. Zhimov VV, Dokhov AI, Solonskaya SV, Strelchenko VI. Dielectric characteristics of food-stuff in the process of their thermal treatment with microwave field. In: 4th International Conference on Antenna Theory and Techniques, ICATT 2003 [Internet]; 20032003. p. 834-6. Available from: www.scopus.com DOI: 10.1109/ICATT.2003.1238883		Zhirnov, VV; Dokhov, AI; Solonskaya, SV; Strelchenko, VI; Dielectric characteristics of food-stuff in the process of their thermal treatment with microwave field; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003

			<p>5. Chumakov VI, Ostrizhny MA, Dokhov AI, Volevakhin GN, Nesterenko GV, Alferov NE, Egorov AM, Lonon YF, Gaponenko NI, Polyany AM. Experimental research of biological effects of pulse EM fields. In: 2003 13th International Crimean Conference "Microwave and Telecommunication Technology", CriMiCo 2003 - Conference Proceedings true [Internet]; 20032003. p. 78-9. Available from: www.scopus.com DOI: 10.1109/CRMICO.2003.158747</p>		
			<p>6. Shokalo V, Zhalilo A, Dokhov A, Nesterenko G, Shelkovenkov D, Sadanova N, Bondar E. Formation in KhNURE of the scientific-educational laboratory of processing and analysis of measuring information of GPS/EGNOS reference stations, navigation and geodetic user receivers. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 1-4. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404426</p>		
			<p>7. Lekhovytskiy DI, Abramovich YI, Dokhov OI, Zarytskiy VI, Zhuga GA, Rachkov DS. Band-diagonal regularization of Gaussian interference covariance matrices ML estimates. In: 2010 IEEE Sensor Array and Multichannel Signal Processing Workshop, SAM 2010 [Internet]; 20102010. p. 141-4. Available from: www.scopus.com DOI: 10.1109/SAM.2010.5606721</p>		
			<p>8. Ryabukha VP, Dokhov AI, Zarytskiy VI, Rachkov DS, Semeniaka AV, Katiushin IA, Zarytskaia VV. Convergence rate of a number of signal processing algorithms in adaptive arrays. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT</p>		

				2013 [Internet]; 20132013. p. 304-6. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650759		
				9. Kontar AA, Dokhov AI, Galeev ER. Initiation of sulfur chemisorption reactions under action of electromagnetic microwave energy in diesel fuel. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136894		
				10. Galeev ER, Dokhov AI, Valevakhin GN. Multifunctional convectional microwave unit. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136892		
				11. Valevakhin GN, Kontar AA, Galeev ER, Dokhov AI. Intensification of the process of dehydrating alcohol by microwave electromagnetic energy. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136893		
	Науков	ЖАЛІЛЮ	11	1. Fal'kovich SE, Konovalov LN, Zhalilo AA.	7	Hahanov, Vladimir; Gharibi, Wajeb; Zhalilo,
	о	ОЛЕКСІЙ		OBSERVABILITY IN THE PROBLEM OF MUTUAL		Aleksey; Litvinova, Eugenia; Cloud-Driven
	дослід	ОЛЕКСАНДРО		GOEDESIC CLOSURE FOR DISPERSED POINTS		Traffic Control: Formal Modeling and
	ний	ВИЧ		OF MULTIPOSITION STANDARD COMPLEXES.		Technical Realization; 2015 4TH
	центр			Cosmic Res [Internet]. 1985;23(4):474-84. Available		MEDITERRANEAN CONFERENCE ON

інтегрованих інформаційних радіоелектронних систем та технологій			from: www.scopus.com	EMBEDDED COMPUTING (MECO); 2015
			2. Shokalo V, Zhalilo A, Dokhov A, Nesterenko G, Shelkovenkov D, Sadanova N, Bondar E. Formation in KhNURE of the scientific-educational laboratory of processing and analysis of measuring information of GPS/EGNOS reference stations, navigation and geodetic user receivers. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 2006. p. 1-4. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404426	Zhalilo, A. A.; Bessonov, Ye. A.; Zanimonskiy, Ye. M.; SEASON-DAILY VARIABILITY OF GNSS SIGNALS IONOSPHERIC DELAYS AND EFFECTIVENESS OF THEIR COMPENSATION USING THE NETWORK DIFFERENTIAL METHOD; SPACE SCIENCE AND TECHNOLOGY-KOSMICNA NAUKA I TEHNOLOGIA; 2016 22 10.15407/knit2016.03.060
			3. Zhalilo AA. Carrier-phase cycle-slip detection and repair of single/dual-frequency GPS/GNSS observations - New universal technique and algorithms. In: 14th Saint Petersburg International Conference on Integrated Navigation Systems, ICINS 2007 - Proceedings [Internet]; 2007. p. 311-8. Available from: www.scopus.com	Zhalilo, A. A.; Yemets, A. I.; Bessonov, Ev. A.; Ditskiy, I. V.; Zanimonskiy, Ye. M.; CONSTRUCTION AND VALIDATION OF THE REGIONAL MODEL OF IONOSPHERIC TOTAL ELECTRON CONTENT USING DUAL-FREQUENCY CARRIER-PHASE OBSERVATIONS OF NETWORKS OF PERMANENT GNSS-STATIONS; SPACE SCIENCE AND

					TECHNOLOGY-KOSMICNA NAUKA I TEHNOLOGIA; 2015 21 10.15407/knit2015.06.028
				4. Zhalilo AA, Shelkovenkov DA. "OCTAVA": Multifunctional software toolkit for processing and analysis of GPS/GNSS observations. In: 14th Saint Petersburg International Conference on Integrated Navigation Systems, ICINS 2007 - Proceedings [Internet]; 20072007. p. 331-2. Available from: www.scopus.com	Lutsenko, V. I.; Popov, D. O.; Laush, A. G.; Yatsenko, V. O.; Zhalilo, O. O.; Ditskiy, I. V.; Bessonov, E. A.; DETERMINATION OF ORIENTATION, COORDINATES, RELATIVE POSITION AND MOVEMENT PARAMETERS OF OBJECTS IN SPACE WITH THE GNSS TECHNOLOGY; SPACE SCIENCE AND TECHNOLOGY-KOSMICNA NAUKA I TEHNOLOGIA; 2015 21 10.15407/knit2015.02.040
				5. Zhalilo A, Shokalo V. Status and prospects of differential navigation and high precision positioning GNSS-technologies in Ukraine. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 6-9. Available from: www.scopus.com	Hahanov, Vladimir; Gharibi, Wajeb; Abramova, L. S.; Chumachenko, Svetlana; Litvinova, Eugenia; Hahanova, Anna; Rustinov, Vladimir; Miz, Vladimir; Zhalilo, Aleksey; Ziarmand, Artur; Cyber Physical System - Smart Cloud Traffic Control; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2014
				6. Zhalilo AA, Zhelanov AA, Shelkovenkov DA, Shokalo VM. High-precision GPS-positioning using the phase observations of differential frequency. Radioelectron Commun Syst [Internet]. 2011;54(2):77-86. Available from: www.scopus.com	Zhalilo, A. A.; Shokalo, V. M.; Dmitry, Shelkovenkov D. A.; Network satellite technologies of high precision positioning, plans and preliminary results of researches and developments; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006

			7. Zhalilo AA, Ditskiy IV. New effective method of eliminating cyclic phase slips during double-frequency kinematic GNSS observations. Radioelectron Commun Syst [Internet]. 2011;54(8):415-24. Available from: www.scopus.com		Shokalo, Vladimir; Zhalilo, Alexey; Dolchov, Alexander; Nesterenko, Georgiy; Shelkovenkov, Dmitry; Sadanova, Natalya; Bondar, Eugenia; Formation in KhNURE of the scientific-educational laboratory of processing and analysis of measuring information of GPS/EGNOS reference stations, navigation and geodetic user receivers; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006
			8. Zhalilo AA, Ditskiy IV. Elimination of cyclic phase slips of single-frequency kinematic GNSS observations. Radioelectron Commun Syst [Internet]. 2012;55(7):321-31. Available from: www.scopus.com		
			9. Hahanov V, Gharibi W, Abramova LS, Chumachenko S, Litvinova E, Hahanova A, Rustinov V, Miz V, Zhalilo A, Ziarmand A. Cyber physical system - smart cloud traffic control. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2014 [Internet]; 20142014 Available from: www.scopus.com DOI: 10.1109/EWDTs.2014.7027107		
			10. Hahanov V, Zhalilo A, Gharibi W, Litvinova E. Cloud-driven traffic control: Formal modeling and technical realization. In: Proceedings - 2015 4th Mediterranean Conference on Embedded Computing, MECO 2015 - Including ECyPS 2015, BioEMIS 2015, BioICT 2015, MECO-Student Challenge 2015 [Internet]; 20152015. p. 21-4. Available from: www.scopus.com DOI: 10.1109/MECO.2015.7181896		

				11. Zhalilo A, Yakovchenko A. Development of ppp-method realization for low earth orbit satellite trajectory determination using on-board gps-observations. East - Eur J Enterp Technol [Internet]. 2016;5(9):33-40. Available from: www.scopus.com		
	Науков о дослід ний центр інтегро ваних інформ аційни х радіоел ектрон них систем та технол огій	ЖИРНОВ ВОЛОДИМИР ВІТАЛІЙОВИ Ч	11	1. Zhirnov VV, Komisaruk VS, Sakhnovskaya LZ. Choice of adaptive decision-making threshold for multiscan signal processing in surveillance radar systems. Telecommun Radio Eng [Internet]. 1998;52(10):64-6. Available from: www.scopus.com	3	Zhirnov, V. V.; Solonskaya, S. V.; Intellectual multisurvey processing of radar information; 2007 6TH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, PROCEEDINGS; 2007 10.1109/ICATT.2007.4425205
				2. Clutter R, Dokhov AI, Zhirnov VV, Matyushenko SN, Sakhnovskaya LZ. Possible causes and sources of angel-type. Telecommun Radio Eng [Internet]. 1998;52(4):1-6. Available from: www.scopus.com		Zhirnov, VV; Solonskaya, SV; Intellectual system of detection low-sized air objects; 5th International Conference on Antenna Theory and Techniques, Proceedings; 2005 10.1109/ICATT.2005.1496983
				3. Clutter R, Dokhov AI, Zhirnov VV, Matyushenko SN, Sakhnovskaya LZ. Principles of protection against angel-type. Telecommun Radio Eng [Internet]. 1998;52(4):7-11. Available from: www.scopus.com		Zhirnov, VV; Dokhov, AI; Solonskaya, SV; Strelchenko, VI; Dielectric characteristics of food-stuff in the process of their thermal treatment with microwave field; IVTH INTERNATIONAL CONFERENCE ON

					ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003
				4. Dokhov AI, Zhirnov VV, Lukyanenko NE. Microwave-based technology of medical plaster bandage manufacturing and a plant for its implementation. In: 2000 10th International Crimean Microwave Conference "Microwave and Telecommunication Technology", CriMico 2000 [Internet]; 20002000. p. 559-60. Available from: www.scopus.com DOI: 10.1109/CRMICO.2000.1256226	
				5. Zhirnov VV, Lebedev OG, Sakhnovskaya LZ. Radar clutters from inhomogeneities of the ground level environment. experimental performances and statistical model. Telecommun Radio Eng [Internet]. 2003;59(1-2):69-74. Available from: www.scopus.com	
				6. Zhirnov VV, Solonskaya SV. Intellectual system of detection low-sized air objects. In: 5th International Conference on Antenna Theory and Techniques, 2005 [Internet]; 20052005. p. 368-71. Available from: www.scopus.com DOI: 10.1109/ICATT.2005.1496983	
				7. Zhirnov VV, Solonskaya SV. Intellectual multisurvey processing of radar information. In: 2007 6th International Conference on Antenna Theory and Techniques, ICATT'07 [Internet]; 20072007. p. 341-3. Available from: www.scopus.com DOI: 10.1109/ICATT.2007.4425205	

				8. Zhirnov VV, Solonskaya SV, Zima II. Application of wavelet transform for generation of radar virtual images. Telecommun Radio Eng [Internet]. 2014;73(17):1533-9. Available from: www.scopus.com		
				9. Zhirnov VV, Solonskaya SV, Zima II. Magnetic and electric aspects of genesis of the radar angel clutters and their virtual imaging. Telecommun Radio Eng [Internet]. 2016;75(15):1331-41. Available from: www.scopus.com		
				10. Solonskaya SV, Zhirnov VV. Signal processing in the intelligence systems of detecting low-observable and low-doppler aerial targets. Telecommun Radio Eng [Internet]. 2018;77(20):1827-35. Available from: www.scopus.com		
				11. Solonskaya SV, Zhirnov VV. Intelligent analysis of radar data based on fuzzy transforms. Telecommun Radio Eng [Internet]. 2018;77(15):1321-9. Available from: www.scopus.com		
КИУ	АПІОТ	ШКІЛЬ ОЛЕКСАНДР СЕРГІЙОВИЧ	10	1. Krivulya GF, Shkil AS. MODELING OF DIGITAL DEVICES USING THE LANGUAGE OF CUBIC COMPLEXES. Autom Control Comput Sci [Internet]. 1983;17(1):42-6. Available from: www.scopus.com	2	Krivoulya, G.; Shkil, A.; Kucherenko, D.; Lipchansky, A.; Sheremet, Ye.; Expert evaluation model of the computer system diagnostic features; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2014
				2. Shkil A, Skvortsova O, Mehedy MMD, Jahirul HHM. Test generation for digital device on FPGA, CPLD. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 6th International Conference, CADSM 2001 [Internet]; 2001;2001. p. 83-4. Available from: www.scopus.com DOI: 10.1109/CADSM.2001.975752		Shkil, AS; Pobezanko, VV; Sysenko, IY; Ternary simulation of digital systems in CAD programmable logic; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2002 10.1109/TCSET.2002.1015858

			3. Shkil AS, Pobezenko VV, Sysenko IY. Ternary simulation of digital systems in CAD programmable logic. In: Proceedings of the International Conference on Modern Problems of Radio Engineering, Telecommunications and Computer Science, TCSET 2002 [Internet]; 20022002. p. 68-71. Available from: www.scopus.com DOI: 10.1109/TCSET.2002.1015858		
			4. Krivoulya AS, Shkil AS, Babich AV. Structural method of explicit fault location in a LAN segment. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 353-6. Available from: www.scopus.com		
			5. Krivoulya G, Shkil A, Kucherenko D. Competence as a support factor of the computer system operation. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs'2011 [Internet]; 20112011. p. 303-10. Available from: www.scopus.com DOI: 10.1109/EWDTs.2011.6116426		
			6. Krivoulya GF, Shkil' AS, Kucherenko DY. Analysis of production rules in expert systems of diagnosis. Autom Control Comput Sci [Internet]. 2013;47(6):331-41. Available from: www.scopus.com		
			7. Krivoulya G, Shkil A, Kucherenko D, Lipchansky A, Sheremet Y. Expert evaluation model of the computer system diagnostic features. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2014 [Internet]; 20142014 Available from: www.scopus.com DOI: 10.1109/EWDTs.2014.7027101		

				8. Chumachenko S, Shkil A, Hahanova A, Ziarmad A, Pryimak A. Quantum data structures for SoC design. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 355-7.Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230875		
				9. Miroschnyk M, Pakhomov Y, German E, Shkil A, Kulak E, Kucherenko D. Design automation of testable finite state machines. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 20172017Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110034		
				10. Miroschnyk M, Poroshyn S, Shkil A, Kulak E, Filippenko I, Kucherenko D, Pakhomov Y, Juliia S, Goga M. Design of Logical Control Units Based on Finite State Machines' Patterns. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTs 2018 [Internet]; 20182018Available from: www.scopus.com DOI: 10.1109/EWDTs.2018.8524869		
KIY	АПІОТ	СОКЛAKOBA	10	1. Soklakova T, Iemelianov I, Amer TB, Hahanov I.	6	Hahanov, Vladimir; Amer, Tamer Bani;
		TEYAHHA		Technological Culture of Big Data. In: Modern		Litvinova, Eugenia; Soklakova, Tetiana;
		ІГОPIBHA		Problems of Radio Engineering, Telecommunications		Liubarskyi, Mykhailo; Shavlak, Nikolay;
				and Computer Science, Proceedings of the 13th		Dziuba, Kseniia; Qubit Test Synthesis of the
				International Conference on TCSET 2016 [Internet];		Functionality; 2017 14TH INTERNATIONAL
				20162016. p. 549-52.Available from: www.scopus.com		CONFERENCE: THE EXPERIENCE OF
				DOI: 10.1109/TCSET.2016.7452111		DESIGNING AND APPLICATION OF CAD
						SYSTEMS IN MICROELECTRONICS
						(CADSM); 2017

			2. Obrizan V, Soklakova T. Multiversion parallel synthesis of digital structures based on SystemC specification. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 2017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807664	Hacimahmud, Abdullayev Vugar; Mishchenko, Oleksandr; Hahanov, Vladimir; Soklakova, Tetiana; Moral Cyber-Social Computing for State and University; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2017
			3. Ziarmand A, Kucherenko D, Soklakova T. Transport monitoring and control systems. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 2017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807662	Obrizan, Vladimir; Soklakova, Tetiana; Multiversion Parallel Synthesis of Digital Structures Based on SystemC Specification; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2016
			4. Soklakova T, Ziarmand A, Osadchyieva S. Big data visualization in smart cyber university. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 2017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807661	Soklakova, Tetiana; Ziarmand, Artur; Osadchyieva, Svitlana; Big Data Visualization in Smart Cyber University; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2016
			5. Hahanov V, Amer TB, Litvinova E, Soklakova T, Liubarskyi M, Shavlak N, Dziuba K. Qubit test synthesis of the functionality. In: 2017 14th International Conference The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 2017. p. 251-5. Available from: www.scopus.com DOI: 10.1109/CADSM.2017.7916128	Ziarmand, Artur; Kucherenko, Dariya; Soklakova, Tetiana; Transport Monitoring and Control Systems; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2016
			6. Hacimahmud AV, Mishchenko O, Kharkov VH, Soklakova T. Moral cyber-social computing for state and university. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 2017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110032	Soklakova, Tetiana; Iemelianov, Igor; Amer, Tamer Bani; Hahanov, Ivan; Technological Culture of Big Data; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016

				7. Hahanov V, Soklakova T, Hahanova A, Chumachenko S. Cyber social computing In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 233-50. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_12		
				8. Hahanov V, Litvinova E, Chumachenko S, Soklakova T, Hahanova I. Big data quantum computing In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 43-69. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_3		
				9. Hahanov V, Chumachenko S, Litvinova E, Hacimahmud AV, Hahanova A, Soklakova T. Cyber Social Computing. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTs 2018 [Internet]; 2018 Available from: www.scopus.com DOI: 10.1109/EWDTs.2018.8524663		
				10. Hahanov V, Mishchenko O, Soklakova T, Abdullayev V, Chumachenko S, Litvinova E. Cyber-social computing; 2019. 489 p. Available from: www.scopus.com DOI: 10.1007/978-3-030-00253-4_21		
KIY	АПІОТ	ЗІАРМАНД АРТУР НІСАРОВИЧ	10	1. Ziarmand A. Smart road infrastructure. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673094	8	Ziarmand, Artur; Chumachenko, Svetlana; Hahanov, Vladimir; Litvinova, Eugenia; Cloud Traffic Control: Smart Traffic-Driven Streetlight; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2017
				2. Hahanov VI, Gus OA, Ziarmand A, Umerah NC, Arefjev A. Cloud traffic control system. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 [Internet]; 2013 Available from: www.scopus.com DOI: 10.1109/EWDTs.2013.6673092		Ziarmand, Artur; Litvinova, Eugenia; Chumachenko, Svetlana; Hahanov, Vladimir; Cloud-Driven Traffic Control: Route Service Metric; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2017

			3. Hahanov V, Gharibi W, Abramova LS, Chumachenko S, Litvinova E, Hahanova A, Rustinov V, Miz V, Zhalilo A, Ziarmand A. Cyber physical system - smart cloud traffic control. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2014 [Internet]; 2014. Available from: www.scopus.com DOI: 10.1109/EWDTs.2014.7027107	Soklakova, Tetiana; Ziarmand, Artur; Osadchyieva, Svitlana; Big Data Visualization in Smart Cyber University; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2016
			4. Chumachenko S, Shkil A, Hahanova A, Ziarmand A, Pryimak A. Quantum data structures for SoC design. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 2015. p. 355-7. Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230875	Ziarmand, Artur; Kucherenko, Dariya; Soklakova, Tetiana; Transport Monitoring and Control Systems; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2016
			5. Ziarmand A, Kucherenko D, Soklakova T. Transport monitoring and control systems. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 2017. Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807662	Chumachenko, Svetlana; Shkil, Alexander; Hahanova, Anastasiya; Ziarmand, Artur; Pryimak, Aleksey; Quantum Data Structures for SoC Design; PROCEEDINGS OF XIIIth INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015
			6. Soklakova T, Ziarmand A, Osadchyieva S. Big data visualization in smart cyber university. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 2017. Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807661	Hahanov, Vladimir; Gharibi, Wajeb; Abramova, L. S.; Chumachenko, Svetlana; Litvinova, Eugenia; Hahanova, Anna; Rustinov, Vladimir; Miz, Vladimir; Zhalilo, Aleksey; Ziarmand, Artur; Cyber Physical System - Smart Cloud Traffic Control; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2014

				7. Hahanov V, Gharibi W, Litvinova E, Chumachenko S, Ziarmand A, Englesi I, Gritsuk I, Volkov V, Khakhanova A. Cloud-driven traffic monitoring and control based on smart virtual infrastructure. SAE Techni Paper [Internet]. 2017;2017-March(March) Available from: www.scopus.com		Hahanov, V., I; Gus, O. A.; Ziarmand, A.; Umerah, Ngene Christopher; Arefjev, A.; Cloud Traffic Control System; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs 2013); 2013
				8. Ziarmand A, Chumachenko S, Hahanov V, Litvinova E. Cloud traffic control: Smart traffic-driven streetlight. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110064		Ziarmand, Artur; Smart Road Infrastructure; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs 2013); 2013
				9. Ziarmand A, Litvinova E, Chumachenko S, Hahanov V. Cloud-driven traffic control: Route service metric. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 20172017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110153		
				10. Hahanov V, Ziarmand A, Chumachenko S. Transportation computing: "cloud traffic control" In: Cyber Physical Computing for IoT-driven Services. [Internet]. ; 2018 p. 201-17. Available from: www.scopus.com DOI: 10.1007/978-3-319-54825-8_10		
ЕЛБІ	БМІ	ПЕРОВА ІРИНА ГЕННАДІЇВНА	10	1. Perova I, Mulesa P. Fuzzy spacial extrapolation method using Manhattan metrics for tasks of Medical Data mining. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 20152015. p. 104-6. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325443	4	Pliss, Iryna; Perova, Iryna; Diagnostic Neuro-Fuzzy System and Its Learning in Medical Data Mining Tasks in Conditions of Uncertainty about Numbers of Attributes and Diagnoses; AUTOMATIC CONTROL AND COMPUTER SCIENCES; 2017 51 10.3103/S0146411617060062

			2. Perova I, Pliss I, Churyumov G, Eze FM, Mahmoud SMK. Neo-fuzzy approach for medical diagnostics tasks in online-mode. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 20162016. p. 34-7. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583502		Perova, Iryna; Pliss, Iryna; Churyumov, Gennadiy; Eze, Franklin M.; Mahmoud, Samer Mohamed Kanaan; Neo-Fuzzy Approach for Medical Diagnostics Tasks in Online-Mode; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
			3. Pliss I, Perova I. Diagnostic neuro-fuzzy system and its learning in medical data mining tasks in conditions of uncertainty about numbers of attributes and diagnoses. Autom Control Comput Sci [Internet]. 2017;51(6):391-8. Available from: www.scopus.com		Perova, Iryna; Bodyanskiy, Yevgeniy; Mulesa, Pavlo; Brazhnykova, Yelizaveta; Neural Network for Online Principal Component Analysis in Medical Data Mining Tasks; 2018 IEEE FIRST INTERNATIONAL CONFERENCE ON SYSTEM ANALYSIS & INTELLIGENT COMPUTING (SAIC); 2018
			4. Perova I, Bodyanskiy Y. Fast medical diagnostics using autoassociative neuro-fuzzy memory. Int J Comput [Internet]. 2017;16(1):34-40. Available from: www.scopus.com		Perova, Iryna; Litovchenko, Olena; Bodyanskiy, Yevgeniy; Brazhnykova, Yelizaveta; Zavgorodnii, Igor; Mulesa, Pavlo; Medical Data-Stream Mining in the Area of Electromagnetic Radiation and Low Temperature Influence on Biological Objects; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
			5. Perova I, Pliss I. Deep hybrid system of computational intelligence with architecture adaptation for medical fuzzy diagnostics. Int J Intell Syst Appl [Internet]. 2017;9(7):12-21. Available from: www.scopus.com		

			6. Perova I, Bodyanskiy Y. Adaptive human machine interaction approach for feature selection-extraction task in medical data mining. Int J Comput [Internet]. 2018;17(2):113-9. Available from: www.scopus.com		
			7. Perova I, Bodyanskiy Y, Sa-chenko A, Karpinski M, Rudyk P. Fuzzy clustering of biomedical datasets using BSB-neuro-fuzzy-model. In: CEUR Workshop Proceedings [Internet]; 20182018. p. 21-8. Available from: www.scopus.com		
			8. Bodyanskiy Y, Perova I, Vynokurova O, Izonin I. Adaptive wavelet diagnostic neuro-fuzzy network for biomedical tasks. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 711-5. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336299		
			9. Perova I, Litovchenko O, Bodvanskiy Y, Brazhnykova Y, Zavgorodnii I, Mulesa P. Medical Data-Stream Mining in the Area of Electromagnetic Radiation and Low Temperature Influence on Biological Objects. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 3-6. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478577		
			10. Perova I, Brazhnykova Y, Bodyanskiy Y, Mulesa P. Neural network for online principal component analysis in medical data mining tasks. In: 2018 IEEE 1st International Conference on System Analysis and Intelligent Computing, SAIC 2018 - Proceedings [Internet]; 20182018 Available from: www.scopus.com		

				DOI: 10.1109/SAIC.2018.8516775		
KIY	EOM	РУБАН ІГОР ВІКТОРОВИЧ	10	1. Korolev AV, Ruban IV. Intraframe and interframe coding of digital colour images. Eng Simul [Internet]. 1997;14(3):449-57. Available from: www.scopus.com	2	Ruban, I.; Martovytskyi, V.; Lukova-Chuiko, N.; Approach to Classifying the State of a Network Based on Statistical Parameters for Detecting Anomalies in the Information Structure of a Computing System; CYBERNETICS AND SYSTEMS ANALYSIS; 2018 54 10.1007/s10559-018-0032-1
				2. Korolyov AV, Ruban IV. Compression of video data by boundary element series. Eng Simul [Internet]. 1998;15(5):595-605. Available from: www.scopus.com		Ruban, Igor; Khudov, Vladyslav; Khudov, Hennadii; Khizhnyak, Irina; An Improved Method for Segmentation of a Multiscale Sequence of Optoelectronic Images; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
				3. Korolev AV, Ruban IV, Malakhov SV. Videodata compression method based on conversions. Eng Simul [Internet]. 2000;17(4):497-506. Available from: www.scopus.com		
				4. Filimonchuk T, Volk M, Ruban I, Tkachov V. Development of information technology of tasks distribution for GRID-systems using the GRASS simulation environment. East -Eur J Enterp Technol [Internet]. 2016;3(9):45-53. Available from: www.scopus.com		

			5. Ruban I, Martovytskyi V, Lukova-Chuiko N. Designing a monitoring model for cluster supercomputers. East -Eur J Enterp Technol [Internet]. 2016;6(2):32-7. Available from: www.scopus.com		
			6. Ruban IV, Churyumov GI, Tokarev VV, Tkachov VM. Provision of survivability of reconfigurable mobile system on exposure to high-power electromagnetic radiation. In: CEUR Workshop Proceedings [Internet]; 20172017. p. 105-11. Available from: www.scopus.com		
			7. Ruban I, Khudov H, Khudov V, Khizhnyak I, Makoveichuk O. Segmentation of the images obtained from onboard optoelectronic surveillance systems by the evolutionary method. East -Eur J Enterp Technol [Internet]. 2017;5(9-89):49-57. Available from: www.scopus.com		
			8. Ruban I, Khudov V, Khudov H, Khizhnyak I. An improved method for segmentation of a multiscale sequence of optoelectronic images. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 137-40. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246367		
			9. Ruban I, Martovytskyi V, Lukova-Chuiko N. Approach to classifying the state of a network based on statistical parameters for detecting anomalies in the information structure of a computing system. Cybern Syst Anal [Internet]. 2018;54(2):302-9. Available from: www.scopus.com		

				10. Ruban I, Smelyakov K, Vitalii M, Dmitry P, Bolohova N. Method of neural network recognition of ground-based air objects. In: Proceedings of 2018 IEEE 9th International Conference on Dependable Systems, Services and Technologies, DESSERT 2018 [Internet]; 2018. p. 589-92. Available from: www.scopus.com DOI: 10.1109/DESSERT.2018.8409200		
ІК	ІКІ	СНІГУРОВ АРКАДІЙ ВЛАДИСЛАВ ОВИЧ	10	1. Snigurov A, Chakryan V. Approach of routing metrics formation based on information security risk. In: 2013 12th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2013 [Internet]; 2013. p. 339-40. Available from: www.scopus.com	6	Snigurov, Arkadij; Chakryan, Vadim; Approach of routing metrics formation based on information security risk; 2013 12TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013); 2013
				2. Snegurov AV, Skibin VP, Chakryan VH. Intrusion detection method according to the characteristics of refreshing process. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2013. p. 484-5. Available from: www.scopus.com		Snihurov, Arkadii; Chakryan, Vadym; Serdvuk, Alena; Models of Information Security Risk Accounting in Metrics of Dynamic Routing Protocols; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
				3. Snegurov AV, Chakryan VK, Mamedov AA. The approach for selection of a routing metric in special-purpose wireless networks under the influence of radio-electronic investigation. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2013. p. 470-1. Available from: www.scopus.com		Kuzminykh, Ievgeniia; Snihurov, Arkadii; Carlsson, Anders; Testing of Communication Range in ZigBee Technology; 2017 14TH INTERNATIONAL CONFERENCE: THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM); 2017

			4. Snigurov A, Chakrian V. The DoS attack risk calculation based on the entropy method and critical system resources usage. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 186-7.Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992346		Snihurov, Arkadii; Chakrian, Vadym; Approach to Determination of Priority for Nodes of Telecommunication Network Functioning under DDOS-attacks in Order to Provide Quality of Service; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
			5. Snigurov A, Chakrian V. Improvement of EIGRP protocol routing algorithm based on information security metrics. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 263-5.Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357331		Snigurov, Arkadiy; Chakrian, Vadym; Improvement of EIGRP Protocol Routing Algorithm Based on Information Security Metrics; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
			6. Snihurov A, Chakrian V. Approach to determination of priority for nodes of telecommunication network functioning under DDOS-attacks in order to provide quality of service. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 537-9.Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452108		Snigurov, Arkadij; Chakrian, Vadym; The DoS Attack Risk Calculation Based on the Entropy Method and Critical System Resources Usage; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
			7. Kuzminykh I, Snihurov A, Carlsson A. Testing of communication range in ZigBee technology. In: 2017 14th International Conference The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 20172017. p. 133-6.Available from:		

				www.scopus.com DOI: 10.1109/CADSM.2017.7916102		
				8. Arkadii S, Vadym C. Research on impact of router critical system resources on traffic routing process. In: 2nd International Conference on Advanced Information and Communication Technologies, AICT 2017 - Proceedings [Internet]; 20172017. p. 223-7. Available from: www.scopus.com DOI: 10.1109/AIACT.2017.8020106		
				9. Snihurov A, Chakrian V, Serdyuk A. Models of information security risk accounting in metrics of dynamic routing protocols. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 387-90. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246423		
				10. Snihurov A, Chakrian V. Dynamic model of routing in telecommunication network considering probability of timely packet delivery and information security requirements. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 1039-42. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336372		
IK	IKI	СУПРУН ТЕТЯНА ВАСИЛІВНА (ВАВЕНКО)	10	1. Lemeshko O, Vavenko T, Ovchinnikov K. Design of multipath routing scheme with load balancing in MPLS-network. In: 2013 12th International Conference: The Experience of Designing and Application of CAD	8	Lemeshko, Olexandr; Vavenko, Tatiana; Ovchinnikov, Konstantin; Design of Multipath routing Scheme with Load Balancing in MPLS-network; 2013 12TH INTERNATIONAL

			Systems in Microelectronics, CADSM 2013 [Internet]; 20132013. p. 211-3.Available from: www.scopus.com	CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013); 2013
			2. Lemeshko AV, Vavenko TV, Goriunov AA. Design of model of load-balancing routing for software defined networks. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 511-2.Available from: www.scopus.com	Yeremenko, Oleksandra; Lebedenko, Tetiana; Vavenko, Tetiana; Semenyaka, Maxim; Investigation of Queue Utilization on Network Routers by the Use of Dynamic Models; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
			3. Hailan AM, Nadia T, Vavenko TV. Design of dynamic routing scheme in telecommunication networks. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 425-7.Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230893	Yeremenko, Oleksandra; Tariki, Nadia; Vavenko, Tetiana; Default Gateway Protection Scheme in Fault-Tolerant IP Routing; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
			4. Yeremenko O, Lebedenko T, Vavenko T, Semenyaka M. Investigation of queue utilization on network routers by the use of dynamic models. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 46-9.Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357265	Mersni, Amal; Ilyashenko, Andriy; Vavenko, Tetiana; Model of Multicast Routing With Support of Shared Explicit Reservation of Link Resources; 2017 IEEE FIRST UKRAINE CONFERENCE ON ELECTRICAL AND COMPUTER ENGINEERING (UKRCON); 2017
			5. Yeremenko O, Tariki N, Vavenko T. Default gateway protection scheme in fault-tolerant IP routing. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and	Lemeshko, Oleksandr; Yeremenko, Oleksandra; Nevzorova, Olena; Vavenko, Tetiana; Three-level Method of Hierarchical Coordination Routing in Multi-Area Network;

			Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 223-6.Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905389	2017 SECOND INTERNATIONAL CONFERENCE ON INFORMATION AND TELECOMMUNICATION TECHNOLOGIES AND RADIO ELECTRONICS (UKRMICO); 2017
			6. Mersni A, Ilyashenko A, Vavenko T. Complex optimality criterion for load balancing with multipath routing in telecommunications networks of nonuniform topology. In: 2017 14th International Conference The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 20172017. p. 100-4.Available from: www.scopus.com DOI: 10.1109/CADSM.2017.7916095	Nevzorova, Olena; Vavenko, Tetiana; Arif, Fouad Abdul Razzaq; Hierarchical Method of Load-Balancing Routing in MPLS Network; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
			7. Lemeshko O, Yeremenko O, Nevzorova O, Vavenko T. Three-level method of hierarchical coordination routing in multi-Area network. In: 2nd International Conference on Information and Telecommunication Technologies and Radio Electronics, UkrMiCo 2017 - Proceedings [Internet]; 20172017Available from: www.scopus.com DOI: 10.1109/UkrMiCo.2017.8095410	Mersni, Amal; Ilyashenko, Andriy; Vavenko, Tetiana; Complex Optimality Criterion for Load Balancing with Multipath Routing in Telecommunications Networks of Nonuniform Topology; 2017 14TH INTERNATIONAL CONFERENCE: THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM); 2017
			8. Mersni A, Ilyashenko A, Vavenko T. Model of multicast routing with support of shared explicit reservation of link resources. In: 2017 IEEE 1st Ukraine Conference on Electrical and Computer Engineering, UKRCON 2017 - Proceedings [Internet]; 20172017. p. 1145-8.Available from: www.scopus.com DOI: 10.1109/UKRCON.2017.8100429	Hailan, Ahmad M.; Nadia, Tariki; Vavenko, T. V.; Design of Dynamic Routing Scheme in Telecommunication Networks; PROCEEDINGS OF XIIIITH INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015

				9. Nevzorova O, Vavenko T, Arif FAR. Hierarchical method of load-balancing routing in MPLS network. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 434-8. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246433		
				10. Mersni A, Ilyashenko A, Vavenko T. Two-level method of multipath routing for multicast flows in telecommunication networks. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 1019-23. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336367		
IK	IKI	ТКАЧОВА ОЛЕНА БОРИСІВНА	10	1. Duravkin EV, Tkacheva EB, Fawaz SH. Method for detecting errors in logic operation of telecommunication protocols. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 265. Available from: www.scopus.com	6	Tkachova, Olena; Salim, Mohammed Jamal; Yahya, Abdulghafoor Raed; An Analysis of SDN-OpenStack Integration; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
				2. Tkachova E, Isaam S. Methods for specification and verification of complex web-services. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 88-9. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992308		Tkachova, Olena; Saad, Isaam; Method for OpenFlow Protocol Verification; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015

			3. Tkachova O, Saad I. Method for OpenFlow protocol verification. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 2015. p. 139-40. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357295	Tkachova, Olena; Duravkin, Ievgen; Muhi-Aldeen, Hassan Mohamed; An Method of Service Composition with Optimal Resources Allocation in Software-Defined Networking; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
			4. Tkachova O, Salim MJ, Yahya AR. An analysis of SDN-OpenStack integration. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 2015. p. 60-2. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357269	Tkachova, Olena; Yahya, Abdulghafoor Raed; Muhi-Aldeen, Hassan Mohamed; A model of Load Distribution between Data Center's Computing Nodes; 2017 14TH INTERNATIONAL CONFERENCE: THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM); 2017
			5. Yevsieieva OY, Tkachova OB. Application of elements of network calculus theory at evaluation of QoS parameters in software-defined networks. Telecommun Radio Eng [Internet]. 2016;75(18):1633-43. Available from: www.scopus.com	Tkachova, Olena; Yahya, Abdulghafoor Raed; Muhi-Aldeen, Hassan Mohamed; A Network Load Balancing Algorithm for Overlay-Based SDN Solutions; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
			6. Tkachova E, Abu Jassar AT. Integrated method for dynamic replication of services in software-defined networks. Telecommun Radio Eng [Internet]. 2017;76(5):417-32. Available from: www.scopus.com	Tkachova, Olena; Salim, Mohammed Jamal; A Method of Resource Distribution Analysis of NFV Technological Solution Based on Formal Grammar and Languages; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016

			7. Tkachova O, Salim MJ. A method of resource distribution analysis of NFV technological solution based on formal grammar and languages. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 142-4. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905361		
			8. Tkachova O, Yahya AR, Muhi-Aldeen HM. A network load balancing algorithm for overlay-based SDN solutions. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 139-41. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905360		
			9. Tkachova O, Yahya AR, Muhi-Aldeen HM. A model of load distribution between data center's computing nodes. In: 2017 14th International Conference The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 20172017. p. 357-9. Available from: www.scopus.com DOI: 10.1109/CADSM.2017.7916150		
			10. Tkachova O, Duravkin I, Muhi-Aldeen HM. An method of service composition with optimal resources allocation in software-defined networking. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 425-9. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246431		

ОПТ	КРІСТ ЗІ	САКАЛО СЕРГІЙ МИКОЛАЙОВ ИЧ	10	1. Sakalo SN. A dipole-slotted structure combination as the applicator antenna. Telecommun Radio Eng [Internet]. 1999;53(3):21. Available from: www.scopus.com	6	Bulgakov, V., I; Sakalo, S. N.; In-depth microwave radiometry of patients with pathology of the pancreatic biliary system with the help of radiothermometer PT-01 natalka; KPBIMUKO 2007CRIMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368946
				2. Sakalo S, Bulgakov V, Gayevskiy V. Radiothermometers for measuring internal temperature of biological objects. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 471-3. Available from: www.scopus.com		Azarkhov, A. Yu.; Sakalo, S. N.; Diagnostics of the body condition by thermal fields distribution; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006
				3. Sakalo SN, Bulgakov VI, Azarkhov AY. Radiothermometric control of metabolism in the muscles and tissues after IR-exposure in conservative treatment of spine diseases. In: 2005 15th International Crimean Conference Microwave and Telecommunication Technology, CriMiCo'2005 - Conference Proceedings [Internet]; 20052005. p. 874-5. Available from: www.scopus.com DOI: 10.1109/CRMICO.2005.1565179		Bulgakov, V. I.; Bulgakova, N. V.; Sakalo, S. N.; A microwave radiometry technique for dynamic monitoring of thermoregulation system using RT-01 'Natalka' radio thermometer; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006
				4. Azarkhov AY, Sakalo SN. Diagnostics of the body condition by thermal fields distribution. In: 2006 16th International Crimean Microwave and Telecommunication Technology, CriMiCo [Internet]; 20062006. p. 907-8. Available from: www.scopus.com		Azarkhov, Olexandr; Bulgakov, Vitaliy; Sakalo, Sergiy; Radiothermometric control of tissue metabolism at infrared (IR) exposure; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING,

			DOI: 10.1109/CRMICO.2006.256252	TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006
			5. Azarkhov O, Bulgakov V, Sakalo S. Radiothermometric control of tissue metabolism at infrared (IR) exposure. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 330-2. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404540	Sakalo, S. N.; Bulgakov, V. I.; Azarkhov, A. Yu.; Radiothermometric control of metabolism in the muscles and tissues after IR-exposure in conservative treatment of spine diseases; 2005 15th International Crimean Conference Microwave & Telecommunication Technology, Vols 1 and 2, Conference Proceedings; 2005
			6. Bulgakov VI, Bulgakova NV, Sakalo SN. A microwave radiometry technique for dynamic monitoring of thermoregulation system using RT-01 'Natalka' radio thermometer. In: 2006 16th International Crimean Microwave and Telecommunication Technology, CriMiCo [Internet]; 20062006. p. 911-2. Available from: www.scopus.com DOI: 10.1109/CRMICO.2006.256254	Sakalo, S; Bulgakov, V; Gayevskiy, V; Radiothermometers for measuring internal temperature of biological objects; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2004
			7. Bulgakov VI, Sakalo SN. In-depth microwave radiometry of patients with pathology of the pancreatic biliary system with the help of radiothermometer PT-01 "Natalka". In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 20072007. p. 791-2. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368946	
			8. Bulgakov VI, Sakalo SN, Semenets VV. Dynamic control of treating discircular encephalopathy by radiothermometry method. In: KpbiMuKo 2008 CriMiCo - 18th International Crimean Conference Microwave and	

				Telecommunication Technology, Conference Proceedings [Internet]; 20082008. p. 858-9. Available from: www.scopus.com DOI: 10.1109/CRMICO.2008.4676633		
				9. Avrunin OG, Sakalo SN, Semenetc VV. Development of up-to-date laboratory base for microprocessor systems investigation. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 301-2. Available from: www.scopus.com		
				10. Bulgakov VI, Grinevich VN, Sakalo SN, Titov AP. Diagnostic capabilities of radiothermometry in urological diseases. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 1075-6. Available from: www.scopus.com		
PEC	MIPEC	ОЛЕЙНИКОВ ВОЛОДИМИР МИКОЛАЙОВ ИЧ	10	1. Kashcheyev B, Oleynikov V, Oleynikov A, Solyanik O, Karabanov A. Some results of the atmospheric wind profiler of kharkov university of radioelectronics. Meteorol Z [Internet]. 1998;7(6):332-5. Available from: www.scopus.com	2	Solyanik, O; Oleynikov, V; Antennas in radar technology of measurements of moving atmosphere parameters; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003
				2. Kascheyev BL, Oleynikov AN, Oleynikov VN. Radar investigation of spatial structure if the quasi 2-day wind velocity oscillations in the region of mesopause and lower thermosphere. Telecommun Radio Eng [Internet]. 1999;53(7-8):24-9. Available from: www.scopus.com		Kashcheyev, B; Oleynikov, V; Oleynikov, A; Solyanik, O; Karabanov, A; Some results of the atmospheric wind profiler of Kharkov University of Radioelectronics; METEOROLOGISCHE ZEITSCHRIFT; 1998 7

				3. Solyanik O, Oleynikov V. Antennas in radar technology of measurements of moving atmosphere parameters. In: 4th International Conference on Antenna Theory and Techniques, ICATT 2003 [Internet]; 20032003. p. 856-8. Available from: www.scopus.com DOI: 10.1109/ICATT.2003.1238888		
				4. Oleynikov V, Solyanik O, Evseev D. Estimation of turbulence characteristics in the troposphere by radar sounding. In: 2003 13th International Crimean Conference "Microwave and Telecommunication Technology", CriMiCo 2003 - Conference Proceedings true [Internet]; 20032003. p. 753-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.2003.159007		
				5. Oleynikov VN, Kashcheyev BL. Radar investigations into the initial radius of a meteor trail. Telecommun Radio Eng [Internet]. 2003;59(5-6):106-17. Available from: www.scopus.com		
				6. Oleynikov VN, Litvin-Popovich AI. Parametrization of signal spectra of zenith-pointing radars. Telecommun Radio Eng [Internet]. 2010;69(8):681-6. Available from: www.scopus.com		
				7. Oleynikov VN, Evseyev DB. Occurrence conditions of the radar reflections in troposphere caused by the convective thermal heterogeneities. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 1081-2. Available from: www.scopus.com		
				8. Olejnikov VN, Yevsieiev DB, Lytvyn-Popovych AI. Characteristics of radar signals scattered by convective thermal processes in the troposphere. In: CriMiCo 2012 - 2012 22nd International Crimean Conference		

				Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2012:2012. p. 1039-40. Available from: www.scopus.com		
				9. Oleynikov VN, Doroshenko SV, Pshenichny VD. Estimation of spectral parameters of scattered signals in radars of vertical sounding of the atmosphere. Telecommun Radio Eng [Internet]. 2018;77(3):187-98. Available from: www.scopus.com		
				10. Kartashov VM, Oleynikov VN, Sheiko SA, Babkin SI, Korytsev IV, Zubkov OV, Anokhin MA. Information characteristics of sound radiation of small unmanned aerial vehicles. Telecommun Radio Eng [Internet]. 2018;77(10):915-24. Available from: www.scopus.com		
ФНІГ	ПрН	ОМАРОВ МУРАД АНБЕР ОГЛІИ	10	1. Konovaltsev AA, Luchaninov YA, Omarov MA, Shokalo VM. Summarized results of investigations into the beamed microwave power transmission systems, which were carried out at kharkov state technical university of radioelectronic (KhTURE). Telecommun Radio Eng [Internet]. 1999;53(9-10):41-8. Available from: www.scopus.com	2	Omarov, MA; Gretskih, DV; Sukhomlinov, DV; Investigation into receiving-rectifying elements of rectennas; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003
				2. Luchaninov AI, Shokalo VM, Zhurbenko VV, Omarov MA. The analysis of nonlinear effects in superconducting microstrip resonators. In: Proceedings of the International Conference on Modern Problems of Radio Engineering, Telecommunications and Computer Science, TCSET 2002 [Internet]; 2002:2002. p. 35-7. Available from: www.scopus.com DOI: 10.1109/TCSET.2002.1015846		Luchaninov, AI; Shokalo, VM; Zhurbenko, VV; Omarov, MA; The analysis of nonlinear effects in superconducting microstrip resonators; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2002 10.1109/TCSET.2002.1015846

				3. Luchaninov AI, Omarov MA, Gavva DC. Basic and weight functions of the problem of nonlinear surface impedance antenna analysis by the moment method. Telecommun Radio Eng [Internet]. 2002;58(9-10):57-63. Available from: www.scopus.com		
				4. Omarov MA, Gretskih DV, Sukhomlinov DV. Investigation into receiving-rectifying elements of EHF rectennas. In: 4th International Conference on Antenna Theory and Techniques, ICATT 2003 [Internet]; 2003:2003. p. 842-5. Available from: www.scopus.com DOI: 10.1109/ICATT.2003.1238885		
				5. Shokalo VM, Rybalko AM, Konovaltsev AA, Omarov MA, Gretskih DB. Performance of microwave wireless power transmission systems with non-optimal interception efficiency. Telecommun Radio Eng [Internet]. 2007;66(18):1667-75. Available from: www.scopus.com		
				6. Omarov MA. CF networks for modeling of distributed computation information systems. Telecommun Radio Eng [Internet]. 2008;67(11):1017-24. Available from: www.scopus.com		
				7. Omarov MA, Tsekhmistro RI. Dispersional restriction of the transmission link length in quantum cryptographic telecommunication systems with polarization encoding. Telecommun Radio Eng [Internet]. 2009;68(20):1841-8. Available from: www.scopus.com		
				8. Omarov MA, Tsekhmistro RI, Orekhova SD. The problem of simulation of microwave travelling wave process plant for drying timber. Telecommun Radio Eng [Internet]. 2012;71(19):1781-90. Available from: www.scopus.com		

				9. Omarov MA, Selevko SN, Tsekhmistro RI, Degtyarev AV. On simulation of log-periodic wire antenna with pulse excitation at short ranges. Telecommun Radio Eng [Internet]. 2013;72(9):767-75. Available from: www.scopus.com		
				10. Omarov M, Tikhaya T, Lyashenko V. Internet marketing technologies in civil engineering. Int J Civ Eng Technol [Internet]. 2018;9(7):1233-40. Available from: www.scopus.com		
КН	ІІІ	ШАТОВСЬКА	10	1. Lesna N, Shatovska T, Repka V. Selecting classifiers techniques for outcome prediction for kvazistationarity process. In: Proceedings of the International Conference on Modern Problems of Radio Engineering, Telecommunications and Computer Science, TCSET 2002 [Internet]; 20022002. p. 145. Available from: www.scopus.com DOI: 10.1109/TCSET.2002.1015895	6	Gud, Anastasiya; Shatovska, Tetyana; Forecasting and Discriminant Analysis; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS: PROCEEDINGS OF THE XTH INTERNATIONAL CONFERENCE CADSM 2009; 2009
		ТЕТЯНА		2. Lesna N, Repka V, Shatovska T, Koryak A. Decision support banking system based on neural network technologies. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 366-7. Available from: www.scopus.com		Shatovska, Tetyana; Repka, Victoriya; Kamenieva, Iryna; Intelligent Recruitment Services System; INFORMATION SYSTEMS: MODELING, DEVELOPMENT, AND INTEGRATION; 2009 20
		БОРИСІВНА		3. Shamsha B, Shatovskaya T, Ayvazov V. Design of dynamic rows in Diling's information systems. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 597. Available from: www.scopus.com		Revenchuk, Ilona; Shatovska, Tetyana; Lifelong Learning Monitoring Model; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016

			4. Shatovskaya T, Repka V, Good A. Application of the Bayesian networks in the informational modeling. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 108. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404462		Shatovska, Tatyana; Kamenieva, Iryna; Tarasov, Iurii; New module of text classification for IDA system; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS: PROCEEDINGS OF THE XTH INTERNATIONAL CONFERENCE CADSM 2009; 2009
			5. Shamsha B, Khalina I, Shatovskaya T. Modeling of the uncertainties at conditional heteroskedastic (ARCH). In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 372-3. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297585		Lesna, N; Repka, V; Shatovska, T; Koryak, A; Decision support banking system based on neural network technologies; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2004
			6. Shamsha B, Shatovskaya T, Ayvazov V. Prognostication of tehnik-ekonomics information in the conditions of heteroscedastic. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 380-1. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297588		Lesna, N; Shatovska, T; Repka, V; Selecting classifiers techniques for outcome prediction for kvazistationarity process; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2002 10.1109/TCSET.2002.1015895
			7. Shatovska T, Repka V, Kamenieva I. Intelligent recruitment services system; 2009. 411 p. Available from: www.scopus.com DOI: 10.1007/978-3-642-01112-2_42		
			8. Gud A, Shatovska T. Forecasting and discriminant analysis. In: Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 10th International Conference, CADSM 2009 [Internet]; 20092009. p. 536-8. Available from:		

				www.scopus.com		
				9. Shatovska T, Kamenieva I, Tarasov I. New module of text classification for IDA system. In: Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 10th International Conference, CADSM 2009 [Internet]; 20092009. p. 481-2. Available from: www.scopus.com		
				10. Revenchuk I, Shatovska T. Lifelong learning monitoring model. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 817-21. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452194		
	Науков о дослід ний центр інтегро ваних інформ аційни х радіоел ектрон них систем та	МАКСИМОВА НІНА ГРИГОРІВНА	10	1. Maksimova NG. State-of-the-art of the ground-based remote sounding of the atmosphere boundary layer (research methods, the most important results). Telecommun Radio Eng [Internet]. 1997;51(11-12):35-44. Available from: www.scopus.com	4	Shifrin, Y.; Ulyanov, Y.; Maksimova, N.; Field statistics of antenna arrays of equipment for remote sensing of the atmosphere; 14TH INTERNATIONAL SYMPOSIUM FOR THE ADVANCEMENT OF BOUNDARY LAYER REMOTE SENSING; 2008 1 10.1088/1755-1307/1/1/012037

	ТЕХНОЛОГІЙ				
				2. Ulyanov YN, Maksimova NG. The estimation of the air humidity in the lower troposphere with the use of the double-frequency radioacoustic sounding system. In: International Conference on Mathematical Methods in Electromagnetic Theory, MMET [Internet]; 20002000. p. 250-2. Available from: www.scopus.com DOI: 10.1109/MMET.2000.888572	Ulyanov, Y. N.; Maksimova, N. G.; Misaylov, V. L.; RADIOACOUSTIC SOUNDING WITH THE USE OF WIDEBAND ACOUSTIC IMPULSES; 2008 4TH INTERNATIONAL CONFERENCE ON ULTRAWIDEBAND AND ULTRASHORT IMPULSE SIGNALS, PROCEEDINGS; 2008 10.1109/UWBUS.2008.4669425
				3. Polyarus AV, Misajlov VL, Maksimova NG. Low-height radiation field of the coastal radar antenna taking into account troposphere inhomogeneities. In: 4th International Conference on Antenna Theory and Techniques, ICATT 2003 [Internet]; 20032003. p. 594-7. Available from: www.scopus.com DOI: 10.1109/ICATT.2003.1238813	Ulyanov, Y. N.; Maksimova, N. G.; Shifrin, Y. S.; Combined acousto-electromagnetic antennas for radioacoustic sounding of the atmosphere; 2007 6TH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, PROCEEDINGS; 2007 10.1109/ICATT.2007.4425206
				4. Ulyanov YN, Maksimova NG, Shifrin YS. Combined acousto-electromagnetic antennas for radio acoustic sounding of the atmosphere. In: 2007 6th International Conference on Antenna Theory and Techniques, ICATT'07 [Internet]; 20072007. p. 344-7. Available from: www.scopus.com DOI: 10.1109/ICATT.2007.4425206	Ulyanov, YN; Maksimova, NG; The estimation of the air humidity in the lower troposphere with the use of the double-frequency radioacoustic sounding system; MMET 2000: INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS IN ELECTROMAGNETIC THEORY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2000
				5. Shifrin YS, Ulyanov YN, Maksimova NG. On side radiation of antennas of the equipment for acoustic and radioacoustic sounding of the atmosphere. Telecommun Radio Eng [Internet]. 2007;66(18):1657-65. Available	

				from: www.scopus.com		
				6. Shifrin YS, Ulyanov YN, Maksimova NG. Field statistics of acoustic array of the equipment for remote sensing of the atmosphere. Telecommun Radio Eng [Internet]. 2008;67(4):293-308. Available from: www.scopus.com		
				7. Ulyanov YN, Maksimova NG, Misaylov VL. Radio acoustic sounding with the use of wideband acoustic impulses. In: 2008 4th International Conference on Ultrawideband and Ultrashot Impulse Signals, UWBUSIS 2008 [Internet]; 20082008. p. 249-51. Available from: www.scopus.com DOI: 10.1109/UWBUS.2008.4669425		
				8. Maksimova NG. The black sea breezes as seen with sodar and rass. Telecommun Radio Eng [Internet]. 2011;70(10):899-915. Available from: www.scopus.com		
				9. Ulianov YN, Skvortsov VS, Vetrov VI, Misailov VL, Maksimova NG. Parametric acoustic antenna for noise-proof pulse sodar. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 20132013. p. 307-9. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650760		
				10. Tokarsky P, Maksimova N, Skobelev SP. ICATT held 21-24 april 2015 [meeting reports]. IEEE Antennas Propag Mag [Internet]. 2016;58(4):12-4. Available from: www.scopus.com		

Науков о- навчал ьний центр РТ	КОСТИРЯ ОЛЕКСАНДР ОЛЕКСІЙОВИ Ч	10	1. Antipov I, Bondar' E, Kostyrja A. About the time measurement of radio-waves propagation in atmosphere at nanoseconds accuracy. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 161. Available from: www.scopus.com		
			2. Koval Y, Ivanova E, Kostyrja A, Al-Tverji B. Modeling frequency-time synchronization systems that use signals of common sources. Radioelectron Commun Syst [Internet]. 2011;54(2):68-76. Available from: www.scopus.com		
			3. Koval YA, Ivanova EA, Kostyrja AA, Pryimak VY, Plekhno SA. Time-and-frequency synchronization at using the signals of geostationary satellites of SBAS system. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 392-3. Available from: www.scopus.com		
			4. Koval YA, Obelchenko VV, Kostyrja AA, Al-Tvejri BA, Hussein AF. Model of the channel time-frequency synchronization. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 425-6. Available from: www.scopus.com		
			5. Kostyrja A, Plehno S, Asaad KH. Simulation of system phase-locked-loop frequency control. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference,		

				TCSET'2012 [Internet]; 20122012. p. 56. Available from: www.scopus.com		
				6. Koval Y, Kostyrya A, Pryimak V, Al-Tvezhri B. Criteria for comparison of synchronization algorithms spaced measures time and frequency. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 117. Available from: www.scopus.com		
				7. Kostyrya AA, Plehno SA, Khalid-H-Asaad. Fluctuation properties of coherent oscillator system of time and frequency synchronizing. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 139-40. Available from: www.scopus.com		
				8. Koval YA, Kostyrja AA, Pryimak VY, Al-Tvezhri BA. Evaluation of errors and uncertainties of measurement in SYNC systems. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 332-3. Available from: www.scopus.com		
				9. Koval YA, Kostyrya AA, Ivanova EA, Hussein AF. Threshold effects at phase measurements temporal provision of signals. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 809-10. Available from: www.scopus.com		

				10. Koval YA, Pryimak VY, Kostyrya AA, Plekhno SA. Experimental study of the potential accuracy of the comparisons of the timeline using SBAS system signals. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 296-7. Available from: www.scopus.com		
KIY	АПІОТ	КУЧЕРЕНКО ДАРІЯ ЮХИМІВНА	9	1. Syrevitch Y, Zinchenko D. Verifiable template development for HDL-descriptions. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 20072007. p. 136-8. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297503	6	Krivoulya, Gennady; Dudar, Zoya; Kucherenko, Dariya; Sami, Mehana; Fuzzy Expert System for Diagnosis of Computer Failures; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS: PROCEEDINGS OF THE XTH INTERNATIONAL CONFERENCE CADSM 2009; 2009
				2. Krivoulya G, Dudar Z, Kucherenko D, Sami M. Fuzzy expert system for diagnosis of computer failures. In: Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 10th International Conference, CADSM 2009 [Internet]; 20092009. p. 225-30. Available from: www.scopus.com		Miroschnyk, M. A.; Pakhomov, Y., V; Shkil, S.; Kulak, E. N.; Kucherenko, D. Y.; DESIGN AUTOMATION OF EASY-TESTED DIGITAL FINITE STATE MACHINES; RADIO ELECTRONICS COMPUTER SCIENCE CONTROL; 2018 10.15588/1607-3274-2018-2-13
				3. Syrevitch Y, Kucherenko D, Karasyov A, Cheglikov D. Methods of HDL - Models diagnosis. In: 2009 Proceedings of the 5th International Conference on Perspective Technologies and Methods in MEMS Design, MEMSTECH 2009 [Internet]; 20092009. p. 145-8. Available from: www.scopus.com		Miroschnyk, Maryna; Pakhomov, Yuriy; German, Edward; Shkil, Alexander; Kulak, Elvira; Kucherenko, Dariia; Design automation of testable finite state machines; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2017
				4. Krivoulya G, Shkil A, Kucherenko D. Competence as a support factor of the computer system operation. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS'2011 [Internet]; 20112011. p.		Ziarmand, Artur; Kucherenko, Dariya; Soklakova, Tetiana; Transport Monitoring and Control Systems; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST

			303-10. Available from: www.scopus.com DOI: 10.1109/EWDTS.2011.6116426		SYMPOSIUM (EWDTS); 2016
			5. Krivoulya GF, Shkil' AS, Kucherenko DY. Analysis of production rules in expert systems of diagnosis. Autom Control Comput Sci [Internet]. 2013;47(6):331-41. Available from: www.scopus.com		Krivoulya, G.; Shkil, A.; Kucherenko, D.; Lipchansky, A.; Sheremet, Ye.; Expert evaluation model of the computer system diagnostic features; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2014
			6. Krivoulya G, Shkil A, Kucherenko D, Lipchansky A, Sheremet Y. Expert evaluation model of the computer system diagnostic features. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS 2014 [Internet]; 2014 Available from: www.scopus.com DOI: 10.1109/EWDTS.2014.7027101		Syrevitch, Yevgeniya; Kucherenko, Dariya; Karasyov, Andrey; Cheglikov, Denis; Methods of HDL-models diagnosis; MEMSTECH: 2009 INTERNATIONAL CONFERENCE ON PERSPECTIVE TECHNOLOGIES AND METHODS IN MEMS DESIGN; 2009
			7. Ziarmand A, Kucherenko D, Soklakova T. Transport monitoring and control systems. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTS 2016 [Internet]; 2017 Available from: www.scopus.com DOI: 10.1109/EWDTS.2016.7807662		
			8. Miroschnyk M, Pakhomov Y, German E, Shkil A, Kulak E, Kucherenko D. Design automation of testable finite state machines. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTS 2017 [Internet]; 2017 Available from: www.scopus.com DOI: 10.1109/EWDTS.2017.8110034		
			9. Miroschnyk M, Poroshyn S, Shkil A, Kulak E, Filippenko I, Kucherenko D, Pakhomov Y, Juliia S, Goga M. Design of Logical Control Units Based on Finite State Machines' Patterns. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTS		

				2018 [Internet]; 20182018Available from: www.scopus.com DOI: 10.1109/EWDTS.2018.8524869		
ЕЛБИ	БМІ	ЛЕОНІДОВ ВОЛОДИМИР ІВАНОВИЧ	9	1. Leonidov VI. Analysis of the models and structure of echo signals of the atmospheric acoustic sounding. Telecommun Radio Eng [Internet]. 2014;73(16):1497-502. Available from: www.scopus.com	2	Tsopa, A. I.; Ivanov, V. K.; Leonidov, V. I.; Maleshenko, Yu. I.; Pavlikov, V. V.; Ruzhentsev, N. V.; Zarudniy, A. A.; The Research Program of Millimetric Radio Waves Attenuation Characteristics on Perspective Communication Lines of Ukraine; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
				2. Leonidov VI. Acoustic sounding in the problem of finding and registration of thermodynamic perturbations in the surface layer of atmosphere. Telecommun Radio Eng [Internet]. 2015;74(3):269-79. Available from: www.scopus.com		Leonidov, V., I; Ruzhentsev, N., V; Tsopa, A., I; Zarudniy, A. A.; Pavlikov, V. V.; Ivanov, V. K.; Maleshenko, Yu., I; The Project of Joint Investigations of Millimetre Waves Propagations for Ukrainian Advanced 5G Communication Lines; 2016 9TH INTERNATIONAL KHARKIV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES (MSMW); 2016
				3. Leonidov VI, Bobnev RA. Correlation between the turbulent fields of temperature and pressure in the surface layer of the atmosphere of megapolis. Telecommun Radio Eng [Internet]. 2016;75(20):1875-83. Available from: www.scopus.com		

			4. Tsopa AI, Ivanov VK, Leonidov VI, Mareshenko YI, Pavlikov VV, Ruzhentsev NV, Zarudniy AA. The research program of millimetric radio waves attenuation characteristics on perspective communication lines of Ukraine. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 2016. p. 638-42. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452138		
			5. Leonidov VI, Ruzhentsev NV, Tsopa AI, Zarudniy AA, Pavlikov VV, Ivanov VK, Mareshenko YI. The project of joint investigations of millimetre waves propagations for Ukrainian advanced 5G communication lines. In: 9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2016 [Internet]; 2016. Available from: www.scopus.com DOI: 10.1109/MSMW.2016.7538185		
			6. Semenets VV, Leonidov VI. Coordinate method for estimation of radial velocity in systems of acoustic sounding of the atmosphere. Telecommun Radio Eng [Internet]. 2017;76(3):245-51. Available from: www.scopus.com		
			7. Kosin UI, Leonidov VI, Kravzov AV, Bobne RA. Device for measurement of biological tissue characteristics. Telecommun Radio Eng [Internet]. 2017;76(13):1173-9. Available from: www.scopus.com		
			8. Leonidov VI, Semenets VV. Analysis of methods for wind shear detection in area of airports by data of atmosphere acoustic sounding. Telecommun Radio Eng [Internet]. 2018;77(4):363-72. Available from:		

				www.scopus.com		
				9. Semenets VV, Kartashov VM, Leonidov VI. Registration of refraction phenomenon in the problem of acoustic sounding of atmosphere in airports zone. Telecommun Radio Eng [Internet]. 2018;77(5):461-8. Available from: www.scopus.com		
ITM	BM	КУРИЖЕВА ОЛЬГА ВОЛОДИМИРІ ВНА (ЖИЛА)	9	1. Nerukh AG, Zolotariov DA, Kuryzheva OV. Radiation of accelerating pulses with specified envelopes. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 2015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136801	7	Nerukh, A.; Kuryzheva, O.; Benson, T.; Time-spatial structure of airy pulse in non-stationary environment; OPTICAL AND QUANTUM ELECTRONICS; 2018 50 10.1007/s11082-017-1295-x
				2. Kuryzheva OV, Nerukh AG. Nonparaxial airy pulses at a dielectric layer. In: YSF 2015 - International Young Scientists Forum on Applied Physics [Internet]; 2015 Available from: www.scopus.com DOI: 10.1109/YSF.2015.7333138		Nerukh, A.; Zolotariov, D.; Kuryzheva, O.; Benson, T.; Dynamics of decelerating pulses at a dielectric layer; OPTICAL AND QUANTUM ELECTRONICS; 2016 48 10.1007/s11082-016-0386-4
				3. Nerukh A, Zolotariov D, Kuryzheva O, Benson T. Dynamics of decelerating pulses at a dielectric layer. Opt Quantum Electron [Internet]. 2016;48(2):1-9. Available from: www.scopus.com		Kuryzheva, O. V.; Nerukh, A. G.; Evolution of an Airy pulse energy flow induced by a dielectric plane boundary; 2016 IEEE 7TH INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS (CAOL); 2016
				4. Kuryzheva O, Tkach A, Nerukh A. Spectral features of a dielectric layer in paraxial approximation. In: 9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and		Kuryzheva, O.; Tkach, A.; Nerukh, A.; Spectral Features of a Dielectric Layer in Paraxial Approximation; 2016 9TH INTERNATIONAL KHARKIV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES,

				Submillimeter Waves, MSMW 2016 [Internet];		
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			20162016 Available from: www.scopus.com DOI: 10.1109/MSMW.2016.7538153		MILLIMETER AND SUBMILLIMETER WAVES (MSMW); 2016
			5. Kuryzheva OV, Nerukh AG. Evolution of an Airy pulse energy flow induced by a dielectric plane boundary. In: Proceedings of the International Conference on Advanced Optoelectronics and Lasers, CAOL [Internet]; 20162016. p. 57-9. Available from: www.scopus.com DOI: 10.1109/CAOL.2016.7851374		Kuryzheva, O. V.; Nerukh, A. G.; Changing of an Airy Pulse Form due to Re-Reflections Inside a Dielectric Layer; 2016 II INTERNATIONAL YOUNG SCIENTISTS FORUM ON APPLIED PHYSICS AND ENGINEERING (YSF); 2016
			6. Kuryzeva OV, Tkach AD, Nerukh AG. Implementation of the extinction theorem in a problem of Airy pulse scattering by a dielectric layer. In: 2016 8th International Conference on Ultrawideband and Ultrashort Impulse Signals, UWBUSIS 2016 [Internet]; 20162016. p. 97-100. Available from: www.scopus.com DOI: 10.1109/UWBUSIS.2016.7724160		Nerukh, A. G.; Zolotariov, D. A.; Kuryzheva, O. V.; RADIATION OF ACCELERATING PULSES WITH SPECIFIED ENVELOPES; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
			7. Kuryzheva OV, Nerukh AG. Changing of an Airy pulse form due to re-reflections inside a dielectric layer. In: 2016 2nd International Young Scientists Forum on Applied Physics and Engineering, YSF 2016 - Forum Proceedings [Internet]; 20162016. p. 183-6. Available from: www.scopus.com DOI: 10.1109/YSF.2016.7753832		Kuryzheva, O., V; Nerukh, A. G.; Nonparaxial Airy Pulses at a Dielectric Layer; 2015 INTERNATIONAL YOUNG SCIENTISTS FORUM ON APPLIED PHYSICS (YSF); 2015
			8. Nerukh AG, Kuryzheva OV. Transformation of the airy pulse by a jump-like change of the medium permittivity in time. Telecommun Radio Eng [Internet]. 2018;77(12):1017-28. Available from: www.scopus.com		

				9. Nerukh A, Kuryzheva O, Benson T. Time-spatial structure of airy pulse in non-stationary environment. Opt Quantum Electron [Internet]. 2018;50(2) Available from: www.scopus.com		
ІК	ІКІ	КОЛЯДЕНКО ЮЛІЯ ЮРІЇВНА	9	1. Kolyadenko YY. A nonlinear stochastic model of space-time processing of communication signals. Telecommun Radio Eng [Internet]. 1998;52(10):49-52. Available from: www.scopus.com	5	Kolyadenko, Yulia; Alali, Abdula; Intersystem Interference on LTE Network Bandwidth Influence Analysis; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
				2. Kolyadenko YY. Adaptive antenna arrays in the auxiliary receiving channel of the interference compensator for user radioaccess systems. In: 4th International Conference on Antenna Theory and Techniques, ICATT 2003 [Internet]; 2003:2003. p. 421-3. Available from: www.scopus.com DOI: 10.1109/ICATT.2003.1239249		Kolyadenko, Y. Y.; Alali, A. M.; THE EFFICIENCY ANALYSIS OF THE SCHEDULING ALGORITHMS OF FRAME TRANSMISSION OVER LTE NETWORK; RADIO ELECTRONICS COMPUTER SCIENCE CONTROL; 2015 1 10.15588/1607-3274-2015-1-1
				3. Popovskiy VV, Kolyadenko YY. Adaptive interference compensators: Problems and methods of their solution. Telecommun Radio Eng [Internet]. 2003;60(3-4):71-7. Available from: www.scopus.com		Kolyadenko, Yulia; Kolyadenko, Oleksiy; Promising Radio Networks Frequency Resource Allocation Cognitive Approach; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
				4. Kolyadenko Y. Processing the signals in user radioaccess systems. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 2006:2006. p. 275-7. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404521		Kolyadenko, Yulia; Processing the signals in user radioaccess systems; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006

			5. Kolyadenko YY, Moskalets NV. Analysis of electromagnetic compatibility of wireless local area networks. Telecommun Radio Eng [Internet]. 2007;66(8):741-51. Available from: www.scopus.com		Kolyadenko, YY; Adaptive antenna arrays in the auxiliary receiving channel of the interference compensator for user radioaccess systems; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003
			6. Kolyadenko Y, Alali A. Intersystem interference on LTE network bandwidth influence analysis. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 2014. p. 125-6. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992324		
			7. Kolyadenko Y, Kolyadenko O. Promising radio networks frequency resource allocation cognitive approach. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 2014. p. 132-4. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992327		
			8. Kolyadenko YY, Alali AM. Space-time division multiple access to LTE network base stations. Telecommun Radio Eng [Internet]. 2015;74(19):1737-43. Available from: www.scopus.com		
			9. Kolyadenko YY, Lukinov IG. A model for disclosure and elimination of vulnerabilities in the software-defined communication networks based on the markovian processes. Telecommun Radio Eng [Internet]. 2018;77(4):327-36. Available from: www.scopus.com		

ЕЛБІ	МЕЕП П	БАБИЧЕНКО ОКСАНА ЮРІЇВНА	9	1. Sologub OY. Calculation of the spectrum of fundamental optical absorption compounds A3B5. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 807-8. Available from: www.scopus.com	1	Babychenko, O. Yu.; Pashchenko, A. G.; States Density Distribution for Determination of a-Si:H Photoconductivity; JOURNAL OF NANO- AND ELECTRONIC PHYSICS; 2017 9 10.21272/jnep.9(5).05044
				2. Sologub OY. Optical properties of amorphous hydrogenated Si. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 769-70. Available from: www.scopus.com		
				3. Sologub OY. Intraband absorption in quantum dots. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 723-4. Available from: www.scopus.com		
				4. Sologub OY. Determination of amorphous silicon absorption spectrum. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 754-5. Available from: www.scopus.com		
				5. Pashchenko AG, Sologub OY. Definition of electronic states densities functions in amorphous silicon. Telecommun Radio Eng [Internet]. 2014;73(5):447-55. Available from: www.scopus.com		
				6. Babychenko OY, Pashchenko AG. States density distribution for determination of a-si:H photoconductivity. J Nano Electron Phys [Internet]. 2017;9(5) Available from: www.scopus.com		

				7. Babychenko OY. Multicomponent semiconductor structures in the design of solar cells. Telecommun Radio Eng [Internet]. 2018;77(5):425-33. Available from: www.scopus.com		
				8. Babychenko OY, Pashchenko AG. Kinetics of photoconductivity of c-si with amorphous inhomogeneities. Telecommun Radio Eng [Internet]. 2018;77(2):161-71. Available from: www.scopus.com		
				9. Gritsunov A, Bondarenko I, Pashchenko A, Babychenko O. Theory of natural oscillatory systems and advance in nanoelectronics. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 410-5. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336230		
ФНІГ	ПрН	ЦЕХМІСТРО РОМАН ІВАНОВИЧ	10	1. Gorobets NN, Tsekhmistro RI. Phase relations in the near zone field of short vibrator antennas. In: 1999 9th International Crimean Microwave Conference: Microwave and Telecommunication Technology, CriMiCo 1999 - Conference Proceedings [Internet]; 19991999. p. 223-4. Available from: www.scopus.com DOI: 10.1109/CRMICO.1999.815211	1	Tsekhmistro, R., I; Kostuk, A. N.; To the question of quantum cryptography transmission system with polarized coding development; 2007 INTERNATIONAL WORKSHOP ON OPTOELECTRONIC PHYSICS AND TECHNOLOGY; 2007
				2. Gorobets NN, Tsekhmistro RI. Power distributions for short dipole antennas at the short distance. In: 2000 10th International Crimean Microwave Conference "Microwave and Telecommunication Technology", CriMico 2000 [Internet]; 20002000. p. 296-7. Available from: www.scopus.com DOI: 10.1109/CRMICO.2000.1256110		

				3. Gorobets NN, Tsekhmistro RI. Characteristics of the near-field zone of short wire antennas. Telecommun Radio Eng [Internet]. 2002;57(6-7):58-64. Available from: www.scopus.com		
				4. Tsekhmistro RI, Kostuk AN. To the question of quantum cryptography transmission system with polarized coding development. In: OPT 2007 - International Workshop Optoelectronic Physics and Technology [Internet]; 20072007. p. 50-1. Available from: www.scopus.com DOI: 10.1109/OPT.2007.4298547		
				5. Omarov MA, Tsekhmistro RI. Dispersional restriction of the transmission link length in quantum cryptographic telecommunication systems with polarization encoding. Telecommun Radio Eng [Internet]. 2009;68(20):1841-8. Available from: www.scopus.com		
				6. Kirichenko LO, Tsekhmistro RI, Krug OY, Storozhenko AW. Comparative analysis of pseudorandom number generation in the up-to-date wireless data communication. Telecommun Radio Eng [Internet]. 2011;70(4):325-33. Available from: www.scopus.com		
				7. Omarov MA, Tsekhmistro RI, Orekhova SD. The problem of simulation of microwave travelling wave process plant for drying timber. Telecommun Radio Eng [Internet]. 2012;71(19):1781-90. Available from: www.scopus.com		
				8. Omarov MA, Selevko SN, Tsekhmistro RI, Degtyarev AV. On simulation of log-periodic wire antenna with pulse excitation at short ranges. Telecommun Radio Eng [Internet]. 2013;72(9):767-75.		

				Available from: www.scopus.com		
				9. Miroshnik MA, Tsekhmistro RI, Demichev AI. Solving of SAT - problems of artificial intelligence with the help of local elimination algorithms. Telecommun Radio Eng [Internet]. 2016;75(7):621-30. Available from: www.scopus.com		
ЕЛБІ	ФОЕТ	ЕКЕЗЛІ АНДРІЙ ІГОРОВИЧ	9	1. Churyumov GI, Starchevskiy YL, Frolova TI, Basrawi KM, Ekezli AI, Sivokon' KV. Influence of thermal mode of oxide-coated cathode on magnetron frequency characteristics. In: 2007 17th International Crimean Conference - Microwave and Telecommunication Technology, CRIMICO [Internet]; 20072007. p. 205-6. Available from: www.scopus.com DOI: 10.1109/CRMICO.2007.4368683	5	Churyumov, G., I; Gritsunov, A., V; Frolova, T., I; Starchevskiy, Yu; Basrawi, K. M.; Ekezli, A., I; Perevertaylo, R. A.; Theoretical and experimental investigation of frequency tuning and lock modes of magnetrons; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006
				2. Churyumov GI, Basrawi KM, Ekezli AI, Sivokon' KV. Improving of frequency characteristics of K-range magnetrons. In: 2008 IEEE International Vacuum Electronics Conference, IVEC with 9th IEEE International Vacuum Electron Sources Conference, IVESC [Internet]; 20082008. p. 272. Available from: www.scopus.com DOI: 10.1109/IVELEC.2008.4556507		Churyumov, Gennadiy; Gerasimov, Vladimir; Frolova, Tetyana; Gritsunov, Alexander; Ekezli, Andrey; The Advanced Designs of Magnetrons with Improvement Output Characteristics; 2016 IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE (IVEC); 2016
				3. Churyumov GI, Ivantsov VP, Starchevskiy YL, Ekezli AI, Sivokon' KV. Influence of power supply on frequency distortions in magnetron. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication		Churyumov, Gennadiy; Ekezli, Andrey; The Anomalous Increasing of the Anode Current in the Diode Structures; 2016 IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE (IVEC);

				Technology, Conference Proceedings [Internet]; 20092009. p. 220-1. Available from: www.scopus.com	2016
				4. Churyumov GI, Ekezli AI, Yavlyanskiy IY. The effect of abnormal augmentation of anode current in diode structures. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 316-7. Available from: www.scopus.com	Churyumov, G., I; Basrawi, K. M.; Ekezli, A., I; Sivokon', K., V; Improving of frequency characteristics of K-range magnetrons; 2008 IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE; 2008
				5. Churyumov GI, Ivantsov VP, Ekezli AI, Ol'khovskiy VA, Malyshko VV. Frequency tuning from pulse to pulse magnetron generator. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 338-9. Available from: www.scopus.com	Churyumov, G. I.; Starchevskiy, Yu. L.; Frolova, T. I.; Basrawi, K. M.; Ekezli, A. I.; Sivokon, K. V.; Influence of thermal mode of oxide-coated cathode on magnetron frequency characteristics; KPBIMUKO 2007CRIMICO: 17TH INTERNATIONAL CRIMEAN CONFERENCE ON MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2007 10.1109/CRMICO.2007.4368683
				6. Churyumov GI, Odarenko EN, Frolova TI, Starchevskiy YL, Gerasimov VP, Ivantsov VP, Ekezli AI. Effect of microwave pump power on characteristics nonelectrode sulfuric lamps. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 865-6. Available from: www.scopus.com	

				7. Churyumov GI, Ekezli AI. The anomalous increasing of the anode current in the diode structures. J Nano Electron Phys [Internet]. 2014;6(1) Available from: www.scopus.com		
				8. Churyumov G, Ekezli A. The anomalous increasing of the anode current in the diode structures. In: 2016 IEEE International Vacuum Electronics Conference, IVEC 2016 [Internet]; 20162016 Available from: www.scopus.com DOI: 10.1109/IVEC.2016.7561929		
				9. Churyumov G, Gerasimov V, Frolova T, Gritsunov A, Ekezli A. The advanced designs of magnetrons with improvement output characteristics. In: 2016 IEEE International Vacuum Electronics Conference, IVEC 2016 [Internet]; 20162016 Available from: www.scopus.com DOI: 10.1109/IVEC.2016.7561984		
ЕЛБІ	ФОЕТ	КУРСЬКИЙ ЮРІЙ СЕРГІЙОВИЧ	9	1. Blank AY, Kurskoy YS. Anomalous absorption of electromagnetic radiation by small metallic particles. In: 4th International Kharkov Symposium "Physics and Engineering of Millimeter and Sub-Millimeter Waves", MSMW 2001 - Symposium Proceedings [Internet]; 20012001. p. 328-30. Available from: www.scopus.com DOI: 10.1109/MSMW.2001.946842	2	Machekhin, Yu. P.; Kurskoy, Yu. S.; The compilation of Shannon entropy measurement equation for nonlinear dynamic systems by using the interval analysis methods; DEVICES AND METHODS OF MEASUREMENTS; 2015 6
				2. Machekhin YP, Kurskoy YS. Fractal-entropy analysis of the results of measurements in nonlinear dynamical systems. Meas Tech [Internet]. 2014;57(6):609-14. Available from: www.scopus.com		Machekhin, Yu. P.; Kurskoy, Yu. S.; FRACTAL-ENTROPY ANALYSIS OF THE RESULTS OF MEASUREMENTS IN NONLINEAR DYNAMICAL SYSTEMS; MEASUREMENT TECHNIQUES; 2014 57 10.1007/s11018-014-0506-0
				3. Gnatenko AS, Machekhin YP, Kurskoy YS, Obozna VP. Providing mode locking in fiber ring lasers. J Nano Electron Phys [Internet]. 2018;10(2) Available from: www.scopus.com		

				4. Machekhin YP, Gnatenko AS, Kurskoy YS. Photonic crystal nanolasers as optical frequency standards. Telecommun Radio Eng [Internet]. 2018;77(13):1169-77. Available from: www.scopus.com		
				5. Machekhin YP, Kurskoy YS, Gnatenko AS. Laser anemometry method for particle velocity measurement in the bose-einstein condensate. Telecommun Radio Eng [Internet]. 2018;77(17):1555-63. Available from: www.scopus.com		
				6. MacHekhin YP, Kurskoi YS, Gnatenko AS. Physical and mathematical foundations of measurements in nonlinear dynamic systems. Telecommun Radio Eng [Internet]. 2018;77(18):1631-7. Available from: www.scopus.com		
				7. Kurskoy YS, Machekhin YP, Gnatenko AS. Entropy evaluation of the laser cooling process. J Nano Electron Phys [Internet]. 2018;10(5) Available from: www.scopus.com		
				8. Machekhin YP, Kurskoy YS, Gnatenko AS, Tkachenko VA. Nanolaser superradiation in information and measuring procedures. Telecommun Radio Eng [Internet]. 2018;77(13):1179-86. Available from: www.scopus.com		
				9. Gnatenko AS, Machekhin YP, Kurskoy YS, Obozna VP, Vasianovych AV. Ring fiber lasers for telecommunication systems. Telecommun Radio Eng [Internet]. 2018;77(6):541-8. Available from: www.scopus.com		
КІУ	БІТ	РУЖЕНЦЕВ ВІКТОР ІГОРОВИЧ	8	1. Oliynykov R, Gorbenko I, Dolgov V, Ruzhentsev V. Results of ukrainian national public cryptographic competition. Tatra Mountains Math Publ [Internet]. 2010;47(1):99-113. Available from: www.scopus.com	3	Oliynykov, Roman; Gorbenko, Ivan; Dolgov, Viktor; Ruzhentsev, Viktor; RESULTS OF UKRAINIAN NATIONAL PUBLIC CRYPTOGRAPHIC COMPETITION; CECC

					'09: 9TH CENTRAL EUROPEAN CONFERENCE ON CRYPTOGRAPHY - TREBIC; 2010 47 10.2478/v10127-010-0033-6
				2. Ruzhentsev V, Oliynykov R, Stupak V. Construction of MDS-matrix for linear transformation of symmetric block ciphers. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 284. Available from: www.scopus.com	Ruzhentsev, Victor; Dolgov, Victor; TOWARDS PROVABLE SECURITY OF RIJNDAEL-LIKE SPN CIPHERS AGAINST DIFFERENTIAL ATTACKS; TATRACRYPT '12; 2012 53 10.2478/v10127-012-0046-4
				3. Ruzhentsev V, Oliynykov R. Properties of linear transformations for symmetric block ciphers on the basis of MDS-codes. In: 2011 Conference on Network and Information Systems Security, SAR-SSI 2011, Proceedings [Internet]; 20112011 Available from: www.scopus.com DOI: 10.1109/SAR-SSI.2011.5931391	Ruzhentsev, Victor; THE CONDITIONS OF PROVABLE SECURITY OF BLOCK CIPHERS AGAINST TRUNCATED DIFFERENTIAL ATTACK; STUDIA SCIENTIARUM MATHEMATICARUM HUNGARICA; 2015 52 10.1556/012.2015.52.2.1307
				4. Ruzhentsev V, Dolgov V. Towards provable security of rijndael-like spn ciphers against differential attacks. Tatra Mountains Math Publ [Internet]. 2012;53(1):189-99. Available from: www.scopus.com	
				5. Ruzhentsev V. The conditions of provable security of block ciphers against truncated differential attack. Stud Sci Math Hung [Internet]. 2015;52(2):176-84. Available from: www.scopus.com	
				6. Ruzhentsev V, Onishchenko Y. Development of the approach to proving the security of block ciphers to impossible differential attack. East -Eur J Enterp Technol [Internet]. 2017;4(4-88):28-33. Available from: www.scopus.com	

				7. Ruzhentsev V, Onishchenko Y, Svitlychnyi V. Development of the approach to proving the security of grostl-like hashing algorithms to rebound attacks. East - Eur J Enterp Technol [Internet]. 2017;6(9-90):44-51. Available from: www.scopus.com		
				8. Ruzhentsev V, Sokurenko V, Ulyanchenko Y. Analysis of probabilities of differentials for block cipher "kalyna" (DSTU 7624:2014). East -Eur J Enterp Technol [Internet]. 2018;4(9):14-9. Available from: www.scopus.com		
KIY	ЕОМ	ТКАЧОВ ВІТАЛІЙ МИКОЛАЙОВ ИЧ	8	1. Tkachov V, Savanevych V. Method for transfer of data with intermediate storage. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 2014. p. 105-6. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992315	2	Churyumov, Gennadiy; Tokarev, Vladimir; Tkachov, Vitalii; Partyka, Stanislav; Scenario of Interaction of the Mobile Technical Objects in the Process of Transmission of Data Streams in Conditions of Impacting the Powerful Electromagnetic Field; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
				2. Bortsov VV, Lisachenko VM, Reznichenko AM, Sidorchuk MA, Tkachov VN. New software and hardware controlling complex of the UTR-2 radio telescope. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 2015. Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136826		Tkachov, Vitalii; Savanevych, Vadym; Method for Transfer of Data with Intermediate Storage; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
				3. Ulyanov OM, Plakhov MS, Shevtsova AI, Ulyanova OO, Skoryk AA, Tkachev VN. Testing the speed of the FFT using the NVIDIA graphic cards. In: YSF 2015 - International Young Scientists Forum on Applied Physics [Internet]; 2015. Available from:		

				www.scopus.com DOI: 10.1109/YSF.2015.7333253		
				4. Filimonchuk T, Volk M, Ruban I, Tkachov V. Development of information technology of tasks distribution for GRID-systems using the GRASS simulation environment. East -Eur J Enterp Technol [Internet]. 2016;3(9):45-53. Available from: www.scopus.com		
				5. Ulyanov OM, Plakhov MS, Shevtsova AI, Skoryk AO, Tkachev VN, Ulyanova OO. Testing the speed of FFT/IFFT using the NVIDIA graphics cards. In: 9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2016 [Internet]; 2016. Available from: www.scopus.com DOI: 10.1109/MSMW.2016.7538158		
				6. Ruban IV, Churyumov GI, Tokarev VV, Tkachov VM. Provision of survivability of reconfigurable mobile system on exposure to high-power electromagnetic radiation. In: CEUR Workshop Proceedings [Internet]; 2017. p. 105-11. Available from: www.scopus.com		
				7. Hu Z, Bodyanskiy YV, Tyshchenko OK, Tkachov VM. Fuzzy clustering data arrays with omitted observations. Int J Intell Syst Appl [Internet]. 2017;9(6):24-32. Available from: www.scopus.com		
				8. Churyumov G, Tokarev V, Tkachov V, Partyka S. Scenario of Interaction of the Mobile Technical Objects in the Process of Transmission of Data Streams in Conditions of Impacting the Powerful Electromagnetic Field. In: Proceedings of the 2018 IEEE 2nd		

				International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 183-6. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478539		
IK	IKI	ЛОШАКОВ ВАЛЕРІЙ АНДРІЙОВИЧ	8	1. Antonov SV, Gomozov VI, Loshakov VA. Experimental study of gunn oscillator frequency stabilization. Izv Vyssh Uchebn Zaved Radioelektron [Internet]. 1979;22(10):93-8. Available from: www.scopus.com	6	Popovskiy, Vadimir; Loshakov, Valeriy; Philipenko, Oleg; Martinchuk, Aleksandr; Drif, Abdenour; Results of Development of Tropospheric Communications System; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
				2. Loshakov VA. Experience of using antenna systems in earth-moon-earth communications. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 20132013. p. 541-3. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650840		Abdourahamane, Ali; Loshakov, Valerie; Modeling Adaptive Communication System with MIMO and OFDM; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
				3. Popovskiy V, Loshakov V, Marchuk A. Improving characteristics of tropospheric communication systems. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 114-5. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992319		Loshakov, Valery; Martynchuk, Aleksander; Nazmutdinov, Alex; Skorohod, Alex; Drif, Abdenour; Research the Efficiency and Feasibility of Circular Polarization in the Tropospheric Radio Link; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
				4. Marchenko D, Loshakov V, Abdourahamane A. Space-time processing based on antenna array use in LTE. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science		Loshakov, Valerij; Abdourahaman, Ali; Features of Equalization in LTE Technology with MIMO and SC-FDMA; 2015 SECOND INTERNATIONAL SCIENTIFIC-

			and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 154-6. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992335		PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
			5. Loshakov V, Abdourahaman A. Features of equalization in LTE technology with MIMO and SC-FDMA. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 171-2. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357304		Popovskiy, Vladimir; Loshakov, Valeriy; Marchuk, Artem; Improving Characteristics of Tropospheric Communication Systems; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
			6. Popovskiy V, Loshakov V, Philipenko O, Martinchuk A, Drif A. Results of development of tropospheric communications system. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 193-5. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357310		Marchenko, Dmytro; Loshakov, Valeriy; Abdourahamane, Ali; Space-Time Processing Based on Antenna Array Use in LTE; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
			7. Loshakov V, Martynchuk A, Nazmutdinov A, Skorohod A, Drif A. Research the efficiency and feasibility of circular polarization in the tropospheric radio link. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 99-102. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905347		

				8. Abdourahamane A, Loshakov V. Modeling adaptive communication system with MIMO and OFDM. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 2018. p. 569-71. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246464		
ІК	ІКІ	МОСКАЛЕЦЬ МИКОЛА ВАДИМОВИЧ	8	1. Kolyadenko YY, Moskalets NV. Analysis of electromagnetic compatibility of wireless local area networks. Telecommun Radio Eng [Internet]. 2007;66(8):741-51. Available from: www.scopus.com	4	Moskalets, Mykola; Kuzminich, Ilya; Methods of Femtocells Planning Using Methods of Packaging Optimization; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
				2. Androsov V, Ayzatsky N, Boriskin V, Bulyak E, Dovbnya A, Drebot I, Gladkikh P, Gordienko A, Grevtsev V, Gvozd A, Ivashenko V, Kalamayko A, Karnaukhov I, Karnaukhov I, Kozin V, Kushnir V, Lyashchenko V, Margin V, Mocheshnikov N, Moskalets N, Mytsykov A, Neklyudov I, Nikitina T, Peev F, Rezaev A, Shcherbakov A, Skomorokhov V, Skyrda V, Telegin Y, Trotsenko V, Zelinsky A, Zvonaryova O, Botman JIM. The Kharkov X-ray generator facility NESTOR. In: IPAC 2013: Proceedings of the 4th International Particle Accelerator Conference [Internet]; 2013. p. 2253-5. Available from: www.scopus.com		Moskalets, N. V.; EFFECTIVE USE OF MULTIBEAM ANTENNA AND METHOD OF SPACE-TIME MULTIPLE ACCESS IN MODERN MOBILE COMMUNICATION SYSTEMS; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
				3. Moskalets NV, Vasylenko YA. Analysis of probability characteristics of the combined multiple access. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference		Moskalets, Mykola; Teplitskaya, Svetlana; Analysis of Efficiency for Space-Time Processing of Signals from Subscriber Stations in Implementation of Space-Time Division Multiple Access; 2015 SECOND

			Proceedings [Internet]; 20132013. p. 466-7. Available from: www.scopus.com		INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
			4. Moskalets M. Method of detection and evaluation of activated subscriber stations in a mobile system communication 4G. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 122-4. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992323		Moskalets, Mykola; Method of Detection and Evaluation of Activated Subscriber Stations in a Mobile System Communication 4G; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
			5. Moskalets NV. Effective use of multibeam antenna and method of space-time multiple access in modern mobile communication systems. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136862		;;;
			6. Moskalets M, Teplitskaya S. Analysis of efficiency for space-time processing of signals from subscriber stations in implementation of space-time division multiple access. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 234-6. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357322		

				7. Alsaleem NYA, Moskalets M, Teplitskaya S. The analysis of methods for determining direction of arrival of signals in problems of space-time access. East -Eur J Enterp Technol [Internet]. 2016;4(9-82):36-44. Available from: www.scopus.com		
				8. Moskalets M, Kuzminich I. Methods of femtocells planning using methods of packaging optimization. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 211-3. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905385		
IK	IKI	ТИТАРЕНКО ЛАРИСА ОЛЕКСАНДРИ ВНА	8	Barkalov O.O., Titarenko L.A., Lavrik A.S., "Reduction of hardware expenses in control unit with code sharing", 2013, "Cybernetics and Systems Analysis", "49", "3", "424", "433", "10.1007/s10559-013-9525-0", " https://www.scopus.com/inward/record.uri?eid=2-s2.0-84878770658&doi=10.1007%2fs10559-013-9525-0&partnerID=40&md5=b11bb0deb60b49ece97a41b3f8a85657 "	4	Titarenko, L; Bordyugov, B; Research of the error of approximation of random process by different basis functions; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2004
				Barkalov A.A., Titarenko L.A., "Code conversion in compositional microprogram control units", 2011, "Cybernetics and Systems Analysis", "47", "5", "763", "772", "10.1007/s10559-011-9355-x", " https://www.scopus.com/inward/record.uri?eid=2-s2.0-81255133964&doi=10.1007%2fs10559-011-9355-x&partnerID=40&md5=5fb5447dcf0028899d438da1861aab35 "		Titarenko, LA; Bordjugov, BY; Perfection of the algorithm for uncorrelated signals angular discrimination by means of wavelet transformation; IVTH INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES, VOLS 1 AND 2, PROCEEDINGS; 2003

			<p>Barkalov A.A., Titarenko L.A., Tsololo S.A., "Optimization of a logic circuit implementing a Moore automaton in CPLD basis", 2009, "Cybernetics and Systems Analysis", "45", "5", "835", "841", "10.1007/s10559-009-9141-1", "https://www.scopus.com/inward/record.uri?eid=2-s2.0-70350339776&doi=10.1007%2fs10559-009-9141-1&partnerID=40&md5=efbb70a7c28f8cc90fa79763c5f13cc7"</p>	<p>Titarenko, LA; Algorithm of adaptive spatial signal division for low-element antenna arrays; 12TH INTERNATIONAL CONFERENCE - MICROWAVE & TELECOMMUNICATION TECHNOLOGY, CONFERENCE PROCEEDINGS; 2002 10.1109/CRMICO.2002.1137250</p>
			<p>Titarenko L., Bordyugov B., "Research of the error of approximation of random process by different basis functions", 2004, "Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004", "161", "162", "https://www.scopus.com/inward/record.uri?eid=2-s2.0-17144404970&partnerID=40&md5=8399230184add704527d960dd86037dd"</p>	<p>Titarenko, L; The probabilistic approach to synthesis of signals adaptive spatial processing robust algorithms; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2002 10.1109/TCSET.2002.1015942</p>
			<p>Titarenko L.A., Bordjugov B.Yu., "Perfection on the algorithm for uncorrelated signals angular discrimination by means of wavelet transformation", 2003, "4th International Conference on Antenna Theory and Techniques, ICATT 2003", "1", "1239241", "398", "400", "10.1109/ICATT.2003.1239241", "https://www.scopus.com/inward/record.uri?eid=2-s2.0-84946139621&doi=10.1109%2ficatt.2003.1239241&partnerID=40&md5=ffe9e27924cde1ee123a7c16f38ed39"</p>	

			Titarenko L.A., "Consideration of antenna elements mutual influence on efficiency of adaptive spatial signal processing", 2002, "Telecommunications and Radio Engineering (English translation of Elektrosvyaz and Radiotekhnika)", "57", "1", "42", "46", "https://www.scopus.com/inward/record.uri?eid=2-s2.0-28044465401&partnerID=40&md5=899c98cbd79733017e222f236a6d0eb1"		
			Titarenko L.A., "Algorithm of adaptive spatial signal division for low-element antenna arrays", 2002, "CriMiCo 2002 - 12th International Conference "Microwave and Telecommunication Technology", Conference Proceedings", "1137250", "313", "314", "10.1109/CRMICO.2002.1137250", "https://www.scopus.com/inward/record.uri?eid=2-s2.0-84968813495&doi=10.1109%2fCRMICO.2002.1137250&partnerID=40&md5=508ca8d2e583b77c62a6ddf85c197ebb"		
			Titarenko L., "The probabilistic approach to synthesis of signals adaptive spatial processing robust algorithms", 2002, "Proceedings of the International Conference on Modern Problems of Radio Engineering, Telecommunications and Computer Science, TCSET 2002", "1015942", "235", "10.1109/TCSET.2002.1015942", "https://www.scopus.com/inward/record.uri?eid=2-s2.0-84953870823&doi=10.1109%2fTCSET.2002.1015942&partnerID=40&md5=b4eb87652723c2d77c1bf2ca14993219"		

ІК	ІКІ	ЧАКРЯН ВАДИМ ХАЗАРОВИЧ	8	1. Snigurov A, Chakryan V. Approach of routing metrics formation based on information security risk. In: 2013 12th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2013 [Internet]; 20132013. p. 339-40. Available from: www.scopus.com	5	Snigurov, Arkadij; Chakryan, Vadim; Approach of routing metrics formation based on information security risk; 2013 12TH INTERNATIONAL CONFERENCE ON THE EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM 2013); 2013
				2. Snegurov AV, Skibin VP, Chakryan VH. Intrusion detection method according to the characteristics of refreshing process. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 484-5. Available from: www.scopus.com		Snihurov, Arkadii; Chakrian, Vadym; Serdvuk, Alena; Models of Information Security Risk Accounting in Metrics of Dynamic Routing Protocols; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
				3. Snegurov AV, Chakryan VK, Mamedov AA. The approach for selection of a routing metric in special-purpose wireless networks under the influence of radio-electronic investigation. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 470-1. Available from: www.scopus.com		Snihurov, Arkadii; Chakrian, Vadym; Approach to Determination of Priority for Nodes of Telecommunication Network Functioning under DDOS-attacks in Order to Provide Quality of Service; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
				4. Snigurov A, Chakrian V. The DoS attack risk calculation based on the entropy method and critical system resources usage. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 186-7. Available from: www.scopus.com		Snigurov, Arkadiy; Chakrian, Vadym; Improvement of EIGRP Protocol Routing Algorithm Based on Information Security Metrics; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T

			DOI: 10.1109/INFOCOMMST.2014.6992346		2015); 2015
			5. Snigurov A, Chakrian V. Improvement of EIGRP protocol routing algorithm based on information security metrics. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 263-5. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357331		Snigurov, Arkadij; Chakrian, Vadym; The DoS Attack Risk Calculation Based on the Entropy Method and Critical System Resources Usage; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
			6. Snihurov A, Chakrian V. Approach to determination of priority for nodes of telecommunication network functioning under DDOS-attacks in order to provide quality of service. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 537-9. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452108		
			7. Snihurov A, Chakrian V, Serdyuk A. Models of information security risk accounting in metrics of dynamic routing protocols. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 387-90. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246423		

				8. Snihurov A, Chakrian V. Dynamic model of routing in telecommunication network considering probability of timely packet delivery and information security requirements. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018. p. 1039-42. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336372		
АКТ	КІТАМ	ОЛЕКСАНДРО В ЮРІЙ МИКОЛАЙОВ ИЧ	8	1. Aleksandrova AA, Aleksandrov YN. Moving inhomogeneity in a magnetohydrodynamic medium. Tech Phys [Internet]. 1997;42(5):460-5. Available from: www.scopus.com	4	Aleksandrova, AA; Aleksandrov, YN; Moving inhomogeneity in a magnetohydrodynamic medium; TECHNICAL PHYSICS; 1997 42 10.1134/1.1258638
				2. Aleksandrova AA, Aleksandrov YN. Problems of evolution in magnetohydrodynamics. Telecommun Radio Eng [Internet]. 1998;52(12):1-6. Available from: www.scopus.com		Aleksandrova, AA; Aleksandrov, YN; Method of integral equations in solar magnetohydrodynamics; TECHNICAL PHYSICS; 2003 48 10.1134/1.1620112
				3. Aleksandrova AA, Aleksandrov YN. General green function for moving magnetohydrodynamic media. Magnetohydrodynamics [Internet]. 2000;36(2):93-100. Available from: www.scopus.com		Aleksandrova, AA; Aleksandrov, YN; The fundamental solution to equations of linear magnetic hydrodynamics in a moving medium; TECHNICAL PHYSICS; 2001 46 10.1134/1.1387532
				4. Aleksandrova AA, Aleksandrov YN. General green function for a moving magnetohydrodynamic medium. Magn Gidrodin [Internet]. 2000;36(2):109-19. Available from: www.scopus.com		Aleksandrova, AA; Aleksandrov, YN; Model problem of wave refraction by a periodically nonuniform boundary of the solar plasma; TECHNICAL PHYSICS; 2004 49 10.1134/1.1841404
				5. Aleksandrova AA, Aleksandrov YN. The fundamental solution to equations of linear magnetic hydrodynamics in a moving medium. Tech Phys [Internet]. 2001;46(7):783-8. Available from: www.scopus.com		

				6. Aleksandrova AA, Aleksandrov YN. Method of integral equations in solar magnetohydrodynamics. Tech Phys [Internet]. 2003;48(10):1226-32. Available from: www.scopus.com		
				7. Aleksandrova AA, Aleksandrov YN. On the wave propagation and transformation in magnetohydrodynamic medium. Telecommun Radio Eng [Internet]. 2003;59(7-9):14-21. Available from: www.scopus.com		
				8. Aleksandrova AA, Aleksandrov YN. Model problem of wave refraction by a periodically nonuniform boundary of the solar plasma. Tech Phys [Internet]. 2004;49(12):1563-9. Available from: www.scopus.com		
ITM	ПМ	ТЕВЯШЕВ АНДРІЙ ДМИТРОВИЧ	8	1. Tevyashev AD, Suzdal VS, Borodavko YM, Pelipets AA. Mathematical modelling of the processes growing single crystals with guaranteed characteristic from melt. In: Proceedings of the International Conference on Modern Problems of Radio Engineering, Telecommunications and Computer Science, TCSET 2002 [Internet]; 20022002. p. 208. Available from: www.scopus.com DOI: 10.1109/TCSET.2002.1015925	4	Karpukhin, Aleksandr; Tevjashev, Andrey; Tkachenko, Vladimir; Ageyev, Dmytro; Features of the Use of Software Packages for Modeling Infocommunication Systems; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
				2. Tevjashev A, Schulik P. Informational analytical system of control of master schedules of sewer pump station. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 393. Available from: www.scopus.com		Karpukhin, Aleksandr; Tevyashev, Andrey; Tkachenko, Vladimir; Designing of Optimal Infocommunication System; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
				3. Adamenko A, Adamenko V, Tevjashev A. Development of access modules for connecting of adsl subscribers. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science.		Tevjashev, A; Schulik, P; Informational analytical system of control of master schedules of sewer pump station; MODERN PROBLEMS OF RADIO ENGINEERING,

			Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 391-2. Available from: www.scopus.com	TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2004
			4. Tevyashev A, Matviienko O. The mathematical model and the method of optimal stochastic control over the modes of the water main operation. East -Eur J Enterp Technol [Internet]. 2015;6(4):45-53. Available from: www.scopus.com	Tevyashev, AD; Suzdal, VS; Borodavko, YM; Pelipets, AA; Mathematical modelling of the processes growing single crystals with guaranteed characteristic from melt; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2002 10.1109/TCSET.2002.1015925
			5. Tevyashev A, Matviienko O, Shiyan O. An analytical geoinformation system for operational planning of the traffic routes of garbage trucks. East -Eur J Enterp Technol [Internet]. 2015;2(4):36-42. Available from: www.scopus.com	
			6. Tevyashev A, Asaenko Y, Kobylin A. Comparative analysis of metrological certification methods of mathematical models. East -Eur J Enterp Technol [Internet]. 2015;3(4):9-16. Available from: www.scopus.com	
			7. Karpukhin A, Tevyashev A, Tkachenko V. Designing of optimal infocommunication system. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 5-7. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905319	

				8. Karpukhin A, Tevjashev A, Tkachenko V, Ageyev D. Features of the use of software packages for modeling infocommunication systems. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 2018. p. 380-2. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246421		
КН	III	ЧЕТВЕРИКОВ	8	1. Murashko AG, Gerasin SN, Chetverikov GG. Organization of computing process structure in an inhomogeneous computing medium. Eng Simul [Internet]. 1998;15(6):761-7. Available from: www.scopus.com	7	Chetverikov, Grygorii; Puzik, Oleksii; Tyshchenko, Olena; Analysis of the problem of homonyms in the hyperchains construction for lexical units of natural language; 2018 IEEE 13TH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE ON COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT), VOL 1; 2018
		ГРИГОРІЙ				Chetverikov, Grygoryy; Puzik, Oleksiy; Vechirska, Iryna; Multiple-valued structures of intellectual systems; 2016 XITH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT); 2016
		ГРИГОРОВИЧ				Chetverikov, G. G.; Vechirska, I. D.; Tanyanskiy, S. S.; THE METHODS OF ALGEBRA OF FINITE PREDICATES IN THE INTELLECTUAL SYSTEM OF COMPLEX CALCULATIONS OF TELECOMMUNICATION COMPANIES; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE &
				2. Bondarenko M, Chetverikov G, Karpukhin O. Structural synthesis of universal multiple-valued structures of artificial intelligence systems. In: WMSCI 2005 - The 9th World Multi-Conference on Systemics, Cybernetics and Informatics, Proceedings [Internet]; 2005. p. 127-30. Available from: www.scopus.com		
				3. Tanyanskiy SS, Chetverikov GG, Vechirska ID. Structural data on distributed transaction with direct access to telecommunication servers. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2014. p. 397-8. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959448		

					TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
				4. Chetverikov GG, Vechirska ID, Leshchinsky VA. Mathematical modelling and design of multiple-valued logic elements of digital telecommunications networks. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2014. p. 354-5. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959429	Chetverikov, G. G.; Vechirska, I. D.; Leshchinsky, V. A.; MATHEMATICAL MODELLING AND DESIGN OF MULTIPLE-VALUED LOGIC ELEMENTS OF DIGITAL TELECOMMUNICATIONS NETWORKS; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
				5. Chetverikov GG, Vechirska ID, Tanyanskiy SS. The methods of algebra of finite predicates in the intellectual system of complex calculations of telecommunication companies. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2014. p. 346-7. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959425	Tanyanskiy, S. S.; Chetverikov, G. G.; Vechirska, I. D.; STRUCTURAL DATA ON DISTRIBUTED TRANSACTION WITH DIRECT ACCESS TO TELECOMMUNICATION SERVERS; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
				6. Gorokhovatskyi VA, Vechirska ID, Chetverikov GG. Method for building of logical data transform in the problem of establishing links between the objects in intellectual telecommunication systems. Telecommun Radio Eng [Internet]. 2016;75(18):1645-55. Available from: www.scopus.com	Bondarenko, Michail; Chetverikov, Grigorij; Karpukhin, Oleksandr; Structural synthesis of universal multiple-valued structures of artificial intelligence systems; WMSCI 2005: 9th World Multi-Conference on Systemics, Cybernetics and Informatics, Vol 7; 2005
				7. Chetverikov G, Puzik O, Vechirska I. Multiple-valued structures of intellectual systems. In: Computer Sciences and Information Technologies - Proceedings of the 11th International Scientific and Technical	Bondarenko, MF; Karpukhin, AV; Chetverikov, GG; Structural synthesis of universal multiple-valued structures of artificial intelligence systems; INFORMATION TECHNOLOGY

				Conference, CSIT 2016 [Internet]; 20162016. p. 204-7. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2016.7589907		AND ORGANIZATIONS: TRENDS, ISSUES, CHALLENGES AND SOLUTIONS, VOLS 1 AND 2; 2003
				8. Chetverikov G, Puzik O, Tyshchenko O. Analysis of the problem of homonyms in the hyperchains construction for lexical units of natural language. In: 2018 IEEE 13th International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2018 - Proceedings [Internet]; 20182018. p. 356-9. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2018.8526663		
ІРТЗІ	РТІКС	ЗАРУДНИЙ ОЛЕКСАНДР АНДРІЙОВИЧ	8	1. Lagutin MF, Mustetsov NP, Zarudnyi AA. DETACHABLE PUMPING LAMPS FOR AN ORGANIC-DYE LASER. Instrum Exp Tech [Internet]. 1978;21(2 pt 2):491-2. Available from: www.scopus.com	5	Tsopa, A. I.; Ivanov, V. K.; Leonidov, V. I.; Maleshenko, Yu. I.; Pavlikov, V. V.; Ruzhentsev, N. V.; Zarudniy, A. A.; The Research Program of Millimetric Radio Waves Attenuation Characteristics on Perspective Communication Lines of Ukraine; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
				2. Lagutin MF, Mustetsov NP, Zarudnyi AA. EFFECT OF THE LAMP SUPPLY MODE ON THE CHARACTERISTICS OF A DYE LASER. Instrum Exp Tech [Internet]. 1984;27(2 pt 2):447-9. Available from: www.scopus.com		Leonidov, V., I; Ruzhentsev, N., V; Tsopa, A., I; Zarudniy, A. A.; Pavlikov, V. V.; Ivanov, V. K.; Maleshenko, Yu., I; The Project of Joint Investigations of Millimetre Waves Propagations for Ukrainian Advanced 5G Communication Lines; 2016 9TH INTERNATIONAL KHARKIV SYMPOSIUM ON PHYSICS AND ENGINEERING OF MICROWAVES, MILLIMETER AND SUBMILLIMETER WAVES (MSMW); 2016

			3. Zarudny AA. High luminance lasers for atmospheric sounding. Telecommun Radio Eng [Internet]. 1997;51(6-7):140-3. Available from: www.scopus.com		LAGUTIN, MF; MUSTETSOV, NP; ZARUDNYI, AA; EFFECT OF THE LAMP SUPPLY MODE ON THE CHARACTERISTICS OF A DYE-LASER; INSTRUMENTS AND EXPERIMENTAL TECHNIQUES; 1984 27
			4. Basetsky VL, Zarudny AA. Vacuum-tube pumped enhanced emission laser on the basis of aqueous alcoholic solution of 6G rhodamine. Telecommun Radio Eng [Internet]. 2007;66(11):1001-12. Available from: www.scopus.com		LAGUTIN, MF; MEGEL, IE; PETROV, NN; ZARUDNYI, AA; KUZNETSOV, VN; MELNIKOV, VE; MUSTESOV, NP; BARANOV, NG; LASER SOUNDING OF THE UPPER-ATMOSPHERE AT THE MOLODEZHNAJA ANTARCTIC STATION; DOKLADY AKADEMII NAUK SSSR; 1981 258
			5. Lonin YF, Chumakov VI, Ostrizhnoy MA, Pososhenko VA, Zarudniy AA, Kochina ML, Volkolupov YY, Sorokina NV, Zvyagintsev AY, Neezhmakov KR. Estimation of characteristics of radiation of the powerful pulse broadband optical source. Probl Atomic Sci Technol [Internet]. 2008(4):306-7. Available from: www.scopus.com		LAGUTIN, MF; MUSTETSOV, NP; ZARUDNYI, AA; DETACHABLE PUMPING LAMPS FOR AN ORGANIC-DYE LASER; INSTRUMENTS AND EXPERIMENTAL TECHNIQUES; 1978 21
			6. Zarudnyi AA. Theoretical estimations of the frequency of a flashlamp-pumped dye laser in a non-selective cavity. Telecommun Radio Eng [Internet]. 2015;74(10):905-10. Available from: www.scopus.com		
			7. Tsopa AI, Ivanov VK, Leonidov VI, Mareshenko YI, Pavlikov VV, Ruzhentsev NV, Zarudniy AA. The research program of millimetric radio waves attenuation characteristics on perspective communication lines of Ukraine. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on		

				TCSET 2016 [Internet]; 20162016. p. 638-42. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452138		
				8. Leonidov VI, Ruzhentsev NV, Tsopa AI, Zarudniy AA, Pavlikov VV, Ivanov VK, Mareshenko YI. The project of joint investigations of millimetre waves propagations for Ukrainian advanced 5G communication lines. In: 9th International Kharkiv Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW 2016 [Internet]; 20162016 Available from: www.scopus.com DOI: 10.1109/MSMW.2016.7538185		
КН	III	ДЕЙНЕКО АНАСТАСІЯ ОЛЕКСАНДРІ ВНА	8	1. Bodyanskiy YV, Tyshchenko AK, Deineko AA. An evolving radial basis neural network with adaptive learning of its parameters and architecture. Autom Control Comput Sci [Internet]. 2015;49(5):255-60. Available from: www.scopus.com	7	Bodyanskiy, Ye. V.; Tyshchenko, A. K.; Deineko, A. A.; An Evolving Radial Basis Neural Network with Adaptive Learning of Its Parameters and Architecture; AUTOMATIC CONTROL AND COMPUTER SCIENCES; 2015 49 10.3103/S0146411615050028
				2. Deineko A, Kutsenko Y, Pliss I, Shalamov M. Kernel evolving neural networks for sequential principal component analysis and its adaptive learning algorithm. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 20152015. p. 107-10. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325444		Bodyanskiy, Yevgeniy V.; Deineko, Anastasiia O.; Kutsenko, Yana V.; Zayika, Oleksandr O.; Data Streams Fast EM-Fuzzy Clustering based on Kohonen's Self-Learning; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
				3. Bodyanskiy YV, Deineko AO, Kutsenko YV, Zayika OO. Data streams fast EM-fuzzy clustering based on Kohonen's self-learning. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet];		Bodyanskiy, Ye. V.; Deineko, A. O.; Kutsenko, Ya. V.; On-Line Kernel Clustering Based on the General Regression Neural Network and T. Kohonen's Self-Organizing Map; AUTOMATIC CONTROL AND COMPUTER

			20162016. p. 309-13. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583565	SCIENCES; 2017 51 10.3103/S0146411617010023
			4. Bodyanskiy YV, Deineko AO, Kutsenko YV. On-line kernel clustering based on the general regression neural network and T. Kohonen's self-organizing map. Autom Control Comput Sci [Internet]. 2017;51(1):55-62. Available from: www.scopus.com	Bodyanskiy, Ye. V.; Deineko, A. O.; Eze, F. M.; Kernel Fuzzy Kohonen's Clustering Neural Network and It's Recursive Learning; AUTOMATIC CONTROL AND COMPUTER SCIENCES; 2018 52 10.3103/S0146411618030045
			5. Bodyanskiy YV, Deineko AO, Eze FM. Kernel fuzzy Kohonen's clustering neural network and it's recursive learning. Autom Control Comput Sci [Internet]. 2018;52(3):166-74. Available from: www.scopus.com	Zhernova, Polina Ye; Deineko, Anastasiia O.; Bodyanskiy, Yevgeniy, V; Riepin, Vladyslav O.; Adaptive Kernel Data Streams Clustering Based on Neural Networks Ensembles in Conditions of Uncertainty About Amount and Shapes of Clusters; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
			6. Zhernova PY, Deineko AO, Bodyanskiy YV, Riepin VO. Adaptive Kernel Data Streams Clustering Based on Neural Networks Ensembles in Conditions of Uncertainty about Amount and Shapes of Clusters. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 7-12. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478616	Deineko, Anastasiia O.; Zhernova, Polina Ye; Gordon, Boris; Zayika, Oleksandr O.; Pliss, Iryna; Pabyrivska, Nelya; Data Stream Online Clustering Based on Fuzzy Expectation-Maximization Approach; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
			7. Deineko AO, Zhernova PY, Gordon B, Zayika OO, Pliss I, Pabyrivska N. Data Stream Online Clustering Based on Fuzzy Expectation-Maximization Approach. In: Proceedings of the 2018 IEEE 2nd International	Bodyanskiy, Ye, V; Deineko, A. O.; Kutsenko, Ya., V; SEQUENTIAL FUZZY CLUSTERING BASED ON NEURO-FUZZY APPROACH; RADIO ELECTRONICS

				Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 171-6. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478517		COMPUTER SCIENCE CONTROL; 2016 10.15588/1607-3274-2016-3-4
				8. Zhernova P, Deyneko A, Deyneko Z, Pliss I, Ahafonov V. Data stream clustering in conditions of an unknown amount of classes; 2019. 410 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-91008-6_41		
	Пробле	БОЙКО	8	1. Bodyanskiy YV, Boiko OO, Pliss IP. Adaptive	9	Bodyanskiy, Ye., V; Tyshchenko, O. K.;
	мна	ОЛЕНА		method of hybrid learning for an evolving neuro-fuzzy		Boiko, O. O.; AN EVOLVING CASCADE
	наук	ОЛЕКСАНДРІ		system. Cybern Syst Anal [Internet]. 2015;51(4):500-5.		SYSTEM BASED ON NEURO-FUZZY
	о-	ВНА		Available from: www.scopus.com		NODES; RADIO ELECTRONICS
	дослід					COMPUTER SCIENCE CONTROL; 2016
	на					10.15588/1607-3274-2016-2-5
	лабора					
	торія					
	автома					
	тизова					
	них					
	систем					
	управлі					
	ння					
				2. Hu Z, Bodyanskiy YV, Tyshchenko OK, Boiko OO. An evolving cascade system based on a set of neuro-fuzzy nodes. Int J Intell Syst Appl [Internet]. 2016;8(9):1-7. Available from: www.scopus.com		Bodyanskiy, Ye. V.; Boiko, O. O.; Pliss, I. P.;
						ADAPTIVE METHOD OF HYBRID
						LEARNING FOR AN EVOLVING NEURO-
						FUZZY SYSTEM; CYBERNETICS AND
						SYSTEMS ANALYSIS; 2015 51
						10.1007/s10559-015-9741-x

			3. Pliss I, Boiko O, Volkova V, Bodyanskiy Y. Matrix deep neural network and its rapid learning in data science tasks. In: CEUR Workshop Proceedings [Internet]; 20182018. p. 141-4. Available from: www.scopus.com	Hu, Zhengbing; Bodyanskiy, Yevgeniy V.; Tyshchenko, Oleksii K.; Boiko, Olena O.; A neuro-fuzzy Kohonen network for data stream possibilistic clustering and its online self-learning procedure; APPLIED SOFT COMPUTING; 2018 68 10.1016/j.asoc.2017.09.042
			4. Bodyanskiy Y, Boiko O, Zaychenko Y, Hamidov G. Evolving GMDH-neuro-fuzzy system with small number of tuning parameters. In: ICNC-FSKD 2017 - 13th International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery [Internet]; 20182018. p. 1321-6. Available from: www.scopus.com DOI: 10.1109/FSKD.2017.8392957	Sedikova, Iryna; Savenko, Ihor; Boiko, Olena; FOOD SECURITY OF THE BLACK SEA LITTORAL AND FEATURES OF ITS DEVELOPMENT; BALTIC JOURNAL OF ECONOMIC STUDIES; 2018 4 10.30525/2256-0742/2018-4-5-297-304
			5. Hu Z, Bodyanskiy YV, Tyshchenko OK, Boiko OO. A neuro-fuzzy kohonen network for data stream possibilistic clustering and its online self-learning procedure. Appl Soft Comput J [Internet]. 2018;68:710-8. Available from: www.scopus.com	Bodyanskiy, Yevgeniy; Zaychenko, Yuriy; Boiko, Olena; Hamidov, Galib; Evolving Hybrid GMDH-Neuro-Fuzzy Network and Its Applications; 2018 IEEE FIRST INTERNATIONAL CONFERENCE ON SYSTEM ANALYSIS & INTELLIGENT COMPUTING (SAIC); 2018
			6. Bodyanskiy Y, Pliss I, Kopalani D, Boiko O. Deep 2D-Neural Network and its Fast Learning. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 20182018. p. 519-23. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478578	Setlak, Galina; Bodyanskiy, Yevgeniy; Pliss, Iryna; Boiko, Olena; Vynokurova, Olena; Deep Evolving Stacking Convex Cascade Neo-Fuzzy Network and its Rapid Learning; PROCEEDINGS OF THE 2018 FEDERATED CONFERENCE ON COMPUTER SCIENCE AND INFORMATION SYSTEMS (FEDCSIS); 2018 10.15439/2018F200

				7. Setlak G, Bodvanskiy Y, Pliss I, Boiko O, Vynokurova O. Deep evolving stacking convex cascade neo-fuzzy network and its rapid learning. In: Proceedings of the 2018 Federated Conference on Computer Science and Information Systems, FedCSIS 2018 [Internet]; 2018. p. 29-33. Available from: www.scopus.com DOI: 10.15439/2018F200		Bodyanskiy, Yevgeniy; Pliss, Iryna; Kopaliani, Daria; Boiko, Olena; Deep 2D-Neural Network and its Fast Learning; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
				8. Bodyanskiy Y, Boiko O, Zaychenko Y, Hamidov G. Evolving hybrid GMDH-Neuro-fuzzy network and its applications. In: 2018 IEEE 1st International Conference on System Analysis and Intelligent Computing, SAIC 2018 - Proceedings [Internet]; 2018. Available from: www.scopus.com DOI: 10.1109/SAIC.2018.8516755		Snizhko, Y. M.; Boiko, O. O.; Botsva, N. P.; Chemetchenko, D., V; Milyh, M. M.; Methods for increasing the accuracy of recording the parameters of the cardiovascular system in double-beam photoplethysmography; REGULATORY MECHANISMS IN BIOSYSTEMS; 2018 9 10.15421/021849
						Bodyanskiy, Yevgeniy; Boiko, Olena; Zaychenko, Yuriy; Hamidov, Galib; Evolving GMDH-Neuro-Fuzzy System with Small Number of Tuning Parameters; 2017 13TH INTERNATIONAL CONFERENCE ON NATURAL COMPUTATION, FUZZY SYSTEMS AND KNOWLEDGE DISCOVERY (ICNC-FSKD); 2017
	Науков о дослід ний центр інтегро ваних інформ аційни х	КАЛЮЖНИЙ МИКОЛА МИХАЙЛОВИ Ч	8	1. Kalyuzhniy NM, Nikolaev IM, Kolesnik VI. A procedure for testing the adequacy of information-logical models of radio-tail sources and objects in the expert recognition system. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 2010. p. 74. Available from: www.scopus.com	4	Kalyuzhniy, N. M.; Kovshar, V. A.; Semenov, G. N.; Chernov, A. B.; Galkin, S. A.; WAYS OF CALCULATING THE ELECTROMAGNETIC FIELD INTENSITY FOR ASSESSMENT OF ELECTROMAGNETIC COMPATIBILITY OF RADIO-MONITORING STATIONS; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015

	радіоелектронних систем та технологій					
				2. Kalyuzhniy NM. Sampling theorem in frequency-time domain and its applications. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 164-6. Available from: www.scopus.com		Kalyuzhniy, N. M.; Kolesnik, V., I; Chernov, A. B.; Nikolaev, I. M.; METHOD OF ACCOUNTING FOR ANTENNA RADIATION PATTERN WHEN ESTIMATING ELECTROMAGNETIC ACCESSIBILITY AND COMPATIBILITY OF WIDE-BAND RADIO MONITORING STATIONS; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
				3. Antonyuk V, Kalyuzhniy M, Prudyus I, Nichoha V. Monopulse-frequency temporal processing of unknown signals based on LFM - Fourier transform in passive systems radiomonitoring. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 127-9. Available from: www.scopus.com		Pochanin, G. P.; Kaluzhny, N. M.; Masalov, S. A.; Pochanina, I. Ye.; ULTRAWIDEBAND LINEARLY POLARIZED ANTENNAS OF VIVALDI TYPE FOR GROUND PENETRATING RADAR; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES (ICATT); 2015
				4. Kalyuzhniy NM, Galkin SA, Nikolaev IM, Kolesnik VI. A procedure for a choice of the operating feature dictionary for recognition of radiation sources with means of radar monitoring. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 131-		Slobodianiuk, Pavlo; Blagodarnyi, Vadym; Kaliuzhnyi, Mykola; The Methodology of Estimation of Spectrum Monitoring System Operating Efficiency; 2014 INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC COMPATIBILITY (EMC EUROPE); 2014

				2. Available from: www.scopus.com		
				5. Slobodianiuk P, Blagodarnyi V, Kaliuzhnyi M. The methodology of estimation of spectrum monitoring system operating efficiency. In: IEEE International Symposium on Electromagnetic Compatibility [Internet]; 2014. p. 1074-9. Available from: www.scopus.com DOI: 10.1109/EMCEurope.2014.6931062		
				6. Pochanin GP, Kaluzhny NM, Masalov SA, Pochanina IY. Ultrawideband linearly polarized antennas of Vivaldi type for ground penetrating radar. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 2015. Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136838		
				7. Kalyuzhniy NM, Kolesnik VI, Chernov AB, Nikolaev IM. Method of accounting for antenna radiation pattern when estimating electromagnetic accessibility and compatibility of wide-band radio monitoring stations. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 2015. Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136796		
				8. Kalyuzhniy NM, Kovshar VA, Semenov GN, Chernov AB, Galkin SA. Ways of calculating the electromagnetic field intensity for assessment of electromagnetic compatibility of radio-monitoring		

				stations. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 2015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136797		
ЕЛБИ	БМІ	КУКОБА АНАТОЛІЙ ВАСИЛЬОВИ Ч	7	1. Rozhitskii NN, Bykh AI, Kukoba AV, Shitov VM. Steady-state electrochemiluminescence in solutions with organometallic electrolytes. J Appl Spectrosc [Internet]. 1978;28(2):197-202. Available from: www.scopus.com	11	Kukoba, AV; Bykh, AI; Svir, IB; Analytical applications of electrochemiluminescence: an overview; FRESENIUS JOURNAL OF ANALYTICAL CHEMISTRY; 2000 368 10.1007/s002160000548
				2. Bykh AI, Kukoba AV, Rozhitskii NN. ELECTROLUMINESCENCE MECHANISM OF CLORIDE-ION-CONTANING COMBINATIONS. Sov Electrochem [Internet]. 1987;23(7):873-80. Available from: www.scopus.com		Zholudov, Y.; Snizhko, D.; Kukoba, A.; Bilash, H.; Rozhitskii, M.; Aqueous electrochemiluminescence of polycyclic aromatic hydrocarbons immobilized into Langmuir-Blodgett film at the electrode; ELECTROCHIMICA ACTA; 2008 54 10.1016/j.electacta.2008.07.069
				3. Bykh AI, Kukoba AV, Chugui EA, Belash EM. Development of evaluation criteria and optimization of electrochemiluminescent compositions for analyzing the heterogeneity of conducting surfaces. Telecommun Radio Eng [Internet]. 1999;53(7-8):166-70. Available from: www.scopus.com		ROZHITSKII, NN; KUKOBA, AV; BELASH, EM; BYKH, AI; ELAN-2M APPARATUS FOR HOMOGENEOUS AND HETEROGENEOUS ELECTROCHEMILUMINESCENCE ANALYSIS; JOURNAL OF ANALYTICAL CHEMISTRY; 1994 49
				4. Kukoba AV, Bykh AI, Svir IB. Analytical applications of electrochemiluminescence: An overview. Fresenius J Anal Chem [Internet]. 2000;368(5):439-42. Available from: www.scopus.com		Zholudov, Yuriy; Bilash, Olena; Kukoba, Anatoliy; Rozhitskii, Mykola; Electrogenerated chemiluminescence in systems with tetraphenylborate anion as a co-reactant; ANALYST; 2011 136 10.1039/c0an00589d

				5. Zholudov Y, Snizhko D, Kukoba A, Bilash H, Rozhitskii M. Aqueous electrochemiluminescence of polycyclic aromatic hydrocarbons immobilized into langmuir-blodgett film at the electrode. <i>Electrochim Acta</i> [Internet]. 2008;54(2):360-3. Available from: www.scopus.com	Muzyka, Kateryna; Bilash, Olena; Zholudov, Yuriy; Kukoba, Anatoly; Rozhitskii, Mykola; Electrochemiluminescent determination of free unconjugated bilirubin in aquatic solution; LUMINESCENCE; 2012 27
				6. Zholudov Y, Bilash O, Kukoba A, Rozhitskii M. Electrogenerated chemiluminescence in systems with tetraphenylborate anion as a co-reactant. <i>Analyst</i> [Internet]. 2011;136(3):598-604. Available from: www.scopus.com	BELASH, EM; KUKOBA, AV; ROZHITSKII, NN; ELECTROGENERATED CHEMILUMINESCENCE IN ELECTRODE SURFACE INVESTIGATION - DETERMINATION OF REDOX POTENTIALS OF ORGANIC DEPOLARIZERS IN ELECTRODE PROCESSES COMPLICATED BY THE CHEMICAL STAGE AND AT HIGH BACKGROUND CURRENTS OF ELECTROLYSIS; RUSSIAN JOURNAL OF ELECTROCHEMISTRY; 1994 30
				7. Snizhko DV, Zholudov YT, Bilash OM, Kukoba AV, Rozhitskii MM. Electrochemiluminescence at nitrogen doped diamond-like carbon film electrodes. <i>Russ J Electrochem</i> [Internet]. 2014;50(3):260-6. Available from: www.scopus.com	KUKOBA, AV; ROZHITSKII, NN; AN ELECTROCHEMILUMINESCENCE TECHNIQUE FOR ELECTRODE SURFACE STUDIES AND THE VISUALIZATION OF FARADAIC PROCESSES - PROCEDURE, EQUIPMENT, AND EXPERIMENTAL STUDIES; RUSSIAN ELECTROCHEMISTRY; 1993 29
					Snizhko, D. V.; Zholudov, Yu T.; Bilash, O. M.; Kukoba, A. V.; Rozhitskii, M. M.; Electrochemiluminescence at Nitrogen Doped Diamond-Like Carbon Film Electrodes; RUSSIAN JOURNAL OF ELECTROCHEMISTRY; 2014 50

						10.1134/S1023193514020037
						Zholudov, Yuriy T.; Bilash, Olena M.; Kukoba, Anatoly V.; Rozhitskii, Mykola M.; Spectroscopic identification of emitter in electrochemiluminescent reactions with tetraphenylborate anion; LUMINESCENCE; 2012 27
						Zholudov, Y. T.; Bilash, O. M.; Kukoba, A. V.; Rozhitskii, M. M.; Electrochemiluminescence in systems with tetraphenylborate ion as a coreactant; LUMINESCENCE; 2010 25
						BYKH, AI; KUKOBA, AV; ROZHITSKII, NN; ELECTROCHEMILUMINESCENCE MECHANISM OF CHLORIDE-ION-CONTAINING COMBINATIONS; SOVIET ELECTROCHEMISTRY; 1987 23
KIY	EOM	ІВАНІСЕНКО ІГОР МИКОЛАЙОВ ИЧ	7	1. Ivanisenko I, Kirichenko L, Radivilova T. Investigation of self-similar properties of additive data traffic. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 2015. p. 169-71. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325459	6	Ivanisenko, Igor N.; Radivilova, Tamara A.; Survey of Major Load Balancing Algorithms in Distributed System; PROCEEDINGS OF 2015 INFORMATION TECHNOLOGIES IN INNOVATION BUSINESS CONFERENCE (ITIB); 2015
				2. Ivanisenko IN, Radivilova TA. Survey of major load balancing algorithms in distributed system. In: 2015 Information Technologies in Innovation Business Conference, ITIB 2015 - Proceedings [Internet]; 2015. p. 89-92. Available from: www.scopus.com DOI: 10.1109/ITIB.2015.7355061		Radivilova, Tamara; Kirichenko, Lyudmyla; Ivanisenko, Igor; Calculation of Distributed System Imbalance in Condition of Multifractal Load; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS

					SCIENCE AND TECHNOLOGY (PIC S&T); 2016
				3. Ivanisenko I, Radivilova T. The multifractal load balancing method. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 122-3. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357289	Ivanisenko, Igor; Kirichenko, Lyudmyla; Radivilova, Tamara; Investigation of Multifractal Properties of Additive Data Stream; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
				4. Kirichenko L, Ivanisenko I, Radivilova T. Dynamic load balancing algorithm of distributed systems. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 515-8. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452102	Kirichenko, Lyudmila; Ivanisenko, Igor; Radivilova, Tamara; Dynamic Load Balancing Algorithm of Distributed Systems; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
				5. Ivanisenko I, Kirichenko L, Radivilova T. Investigation of multifractal properties of additive data stream. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 20162016. p. 305-8. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583564	Ivanisenko, Igor; Volk, Maksym; Simulation methods for load balancing in distributed computing; 2017 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2017
				6. Radivilova T, Kirichenko L, Ivanisenko I. Calculation of distributed system imbalance in condition of multifractal load. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 156-8. Available	Ivanisenko, Igor; Radivilova, Tamara; The Multifractal Load Balancing Method; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015

				from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905366		
				7. Ivanisenko I, Volk M. Simulation methods for load balancing in distributed computing. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 2017 Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110078		
IK	IKI	ШОСТКО ІГОР СВІТОСЛАВО ВИЧ	7	1. Shostko SN, Lonin YF, Chumakov VI, Shostko IS, Avchinnikov EA, Shostko OS. A study of the effects of high-power wide-band optical radiation on optoelectronic devices. Telecommun Radio Eng [Internet]. 1998;52(8):73-7. Available from: www.scopus.com	3	Sosedka, Julia; Shostko, Igor; Calculation Method for Power Consumption and Lifetime of Nodes in WSN; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
				2. Shostko OS, Shostko IS, Lonin YF, Chumakov VI, Shostko SN, Gorobets NN, Dubrovskaya LL. Bactericide action of high-power pulsed ultra-violet radiation. Telecommun Radio Eng [Internet]. 1998;52(4):86-8. Available from: www.scopus.com		Shostko, Igor; Butov, Bogdan; Laboratory Model Communication Systems with a Frequency Hopping; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
				3. Shostko IS, Almakadma T. Proposals to build a promising ultra-wideband wireless communications. In: 2010 5th International Conference on Ultrawideband and Ultrashort Impulse Signals, UWBUSIS'2010 [Internet]; 2010 p. 162-4. Available from: www.scopus.com DOI: 10.1109/UWBUSIS.2010.5609153		Shostko, Igor; Kulya, Yulia; Filippenko, Oleg; Butov, Bogdan; Enhance the Functioning Communication Systems with a Frequency Hopping in the Conditions of the Radioelectronic Conflict; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016

			4. Shostko IS, Sosedka YE. Techniques to reduce energy consumption in sensor networks. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 476-7. Available from: www.scopus.com		
			5. Sosedka J, Shostko I. Calculation method for power consumption and lifetime of nodes in WSN. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 116-7. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992320		
			6. Shostko I, Kulya Y, Filippenko O, Butov B. Enhance the functioning communication systems with a frequency hopping in the conditions of the radio electronic conflict. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 163-4. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905368		
			7. Shostko I, Butov B. Laboratory model communication systems with a frequency hopping. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 355-8. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246415		

ITM	ІНФ	ПУТЯТИН ЄВГЕНІЙ ПЕТРОВИЧ	7	1. Gorokhovatskii VA, Katsalap SF, Putyatin EP. IMAGE ANALYSIS UNDER CONDITIONS OF LOCAL DISTORTION. Optoelectron Instrum Data Process [Internet]. 1986(6):47-52. Available from: www.scopus.com	1	Gorokhovatsky, V. A.; Putyatin, Y. P.; Stolyarov, V. S.; RESEARCH OF EFFECTIVENESS OF STRUCTURAL IMAGE CLASSIFICATION METHODS USING CLUSTER DATA MODEL; RADIO ELECTRONICS COMPUTER SCIENCE CONTROL; 2017 10.15588/1607-3274-2017-3-9
				2. Zhitomirskii MY, Liskin VM, Maistrenko AA, Mashtalir VP, Putyatin EP. METHOD FOR CONSTRUCTING FUNCTIONALS MATCHED WITH GEOMETRIC IMAGE CONVERSIONS. Optoelectron Instrum Data Process [Internet]. 1987(2):60-8. Available from: www.scopus.com		
				3. Zhitomirskii MY, Liskin VM, Maistrenko AA, Mashtalir VP, Putyatin EP. Extrapolation algorithms in processing of image sequences. Optoelectron Instrum Data Process [Internet]. 1989(6):21-7. Available from: www.scopus.com		
				4. Putyatin EP, Gorokhovatskij VA, Ishchenko SV. Algorithms for the detection of moving objects in images by using the ho transformation. Avtometriya [Internet]. 1993(6):88-93. Available from: www.scopus.com		
				5. Gorokhovatsky VA, Putyatin YP. Image likelihood measures on the basis of the set of conformities. Telecommun Radio Eng [Internet]. 2009;68(9):763-78. Available from: www.scopus.com		
				6. Gorokhovatskyi VA, Berestovskyi AY, Putyatin YP. Self-learning methods in the space of image structural sign criterions. Telecommun Radio Eng [Internet]. 2015;74(18):1671-83. Available from:		

				www.scopus.com	
				7. Gorokhovatskyi V, Gorokhovatskyi O, Yevgenyi P, Olena P. Quantization of the Space of Structural Image Features as a Way to Increase Recognition Performance. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 2018. p. 464-7. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478434	
ІК	ІМІ	КРИВЕНКО СТАНІСЛАВ АНАТОЛІЙОВ ІЧ	7	1. Krivenko SS, Krivenko SA. Many-to-many linear-feedback shift register. In: 2014 IEEE 34th International Scientific Conference on Electronics and Nanotechnology, ELNANO 2014 - Conference Proceedings [Internet]; 2014. p. 176-8. Available from: www.scopus.com DOI: 10.1109/ELNANO.2014.6873939	Pulavskiy, Anatolii A.; Krivenko, Sergey S.; Krivenko, Stanislaw A.; Noninvasive Evaluation of Glucose Concentration in the Human Blood Based on Electrocardiograms; 2015 IEEE 35TH INTERNATIONAL CONFERENCE ON ELECTRONICS AND NANOTECHNOLOGY (ELNANO); 2015
				2. Pulavskiy AA, Krivenko SS, Krivenko SA. Noninvasive evaluation of glucose concentration in the human blood based on electrocardiograms. In: 2015 IEEE 35th International Conference on Electronics and Nanotechnology, ELNANO 2015 - Conference Proceedings [Internet]; 2015. p. 275-7. Available from: www.scopus.com DOI: 10.1109/ELNANO.2015.7146890	Bezruk, Valeryi; Krivenko, Stanislaw; Kryvenko, Liudmyla; The Pareto Chart of Caries Intensity Evaluation for Children with Allergic Diseases; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
				3. Bezruk V, Krivenko S, Kryvenko L. The Pareto chart of caries intensity evaluation for children with allergic diseases. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference	Krivenko, Sergey S.; Krivenko, Stanislaw A.; Many-to-many Linear-feedback Shift Register; 2014 IEEE 34TH INTERNATIONAL CONFERENCE ON ELECTRONICS AND NANOTECHNOLOGY (ELNANO); 2014

			Proceedings [Internet]; 20152015. p. 110-1.Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357285		
			4. Pulavskiy AA, Krivenko SS, Krivenko SA. The computation of line spectral frequencies using discrete wavelet transform for electrocardiograms processing. In: 2016 IEEE 36th International Conference on Electronics and Nanotechnology, ELNANO 2016 - Conference Proceedings [Internet]; 20162016. p. 202-5.Available from: www.scopus.com DOI: 10.1109/ELNANO.2016.7493048		Pulavskiy, Anatolii A.; Krivenko, Sergey S.; Krivenko, Stanislaw A.; The Computation of Line Spectral Frequencies Using Discrete Wavelet Transform for Electrocardiograms Processing; 2016 IEEE 36TH INTERNATIONAL CONFERENCE ON ELECTRONICS AND NANOTECHNOLOGY (ELNANO); 2016
			5. Krivenko SS, Pulavskiy AA, Krivenko SA. Determination of low hemoglobin level in human using the analysis of symbolic dynamics of the heart rate variability. In: 2017 IEEE 1st Ukraine Conference on Electrical and Computer Engineering, UKRCON 2017 - Proceedings [Internet]; 20172017. p. 271-4.Available from: www.scopus.com DOI: 10.1109/UKRCON.2017.8100490		Krivenko, Sergey S.; Pulavskiy, Anatolii A.; Krivenko, Stanislaw A.; Determination of Low Hemoglobin Level in Human Using the Analysis of Symbolic Dynamics of the Heart Rate Variability; 2017 IEEE FIRST UKRAINE CONFERENCE ON ELECTRICAL AND COMPUTER ENGINEERING (UKRCON); 2017
			6. Bezruk V, Krivenko S, Kryvenko L. Salivary lipid peroxidation and periodontal status detection in ukrainian atopic children with convolutional neural networks. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 122-4.Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246364		Bezruk, Valervi; Krivenko, Stanislaw; Kryvenko, Liudmyla; Salivary Lipid Peroxidation and Periodontal Status Detection in Ukrainian Atopic Children with Convolutional Neural Networks; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017

				7. Krivenko SS, Pulavskiy AA, Krivenko SA. Identification of Diabetic Patients Using the Nonlinear Analysis of Short-Term Heart Rate Time Series. In: 2018 IEEE 38th International Conference on Electronics and Nanotechnology, ELNANO 2018 - Proceedings [Internet]; 2018. p. 249-54. Available from: www.scopus.com DOI: 10.1109/ELNANO.2018.8477587		Presnyakov, I. N.; Krivenko, S. A.; Stativka, A. P.; 3GPP coder for geoinformation system project; 2006 16TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY, VOLS 1 AND 2, CONFERENCE PROCEEDINGS; 2006
KH	MCT	КУЛИШОВА НОННА СЕРГЕЕВНА	7	1. Bodyanskiy EV, Kulishova NE, Rudenko OG. Generalized algorithm of formal neuron learning. Kiber i Sist Anal [Internet]. 2002(5):176-83. Available from: www.scopus.com	5	Kulishova, Nonna; Emotion Recognition Using Sigma-Pi Neural Network; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
				2. Bodyanskiy YV, Kulishova NY. Memory-based neuro-fuzzy system for interpolation of reflection coefficients of printing inks. Cybern Syst Anal [Internet]. 2008;44(5):625-32. Available from: www.scopus.com		Bodyanskiy, Y; Kolodyazhniy, V; Kulishova, N; Generalized forecasting sigma-pi neural network; INTELLIGENT TECHNOLOGIES - THEORY AND APPLICATIONS: NEW TRENDS IN INTELLIGENT TECHNOLOGIES; 2002 76
				3. Kulishova N, Bodyanskiy Y. Flexible 2D membership functions for images filtering using fuzzy peer group approach. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 2015. p. 82-4. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325437		Bodyanskiy, Yevgeniy; Kulishova, Nonna; Chala, Olha; The Extended Multidimensional Neo-Fuzzy System and Its Fast Learning in Pattern Recognition Tasks; DATA; 2018 3 10.3390/data3040063
				4. Kulishova N. Emotion recognition using sigma-pi neural network. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 2016. p. 327-31. Available from: www.scopus.com DOI:		Bodyanskiy, Ye, V; Kulishova, N. Ye; Tkachenko, V. Ph; FEATURE VECTOR GENERATION FOR THE FACIAL EXPRESSION RECOGNITION USING NEO-FUZZY SYSTEM; RADIO ELECTRONICS

				10.1109/DSMP.2016.7583569		COMPUTER SCIENCE CONTROL; 2018 10.15588/1607-3274-2018-3-10
				5. Hu Z, Bodyanskiy YV, Kulishova NY, Tyshchenko OK. A multidimensional extended neo-fuzzy neuron for facial expression recognition. Int J Intell Syst Appl [Internet]. 2017;9(9):29-36. Available from: www.scopus.com		Bodyanskiy, Yevgeniy; Kulishova, Nonna; Malysheva, Dania; The Multidimensional Extended Neo-Fuzzy System and its Fast Learning for Emotions Online Recognition; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
				6. Bodyanskiy Y, Kulishova N, Malysheva D. The Multidimensional Extended Neo-Fuzzy System and its Fast Learning for Emotions Online Recognition. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 2018. p. 473-7. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478564		
				7. Kulishova N, Suchkova N. Impact of the textbooks' graphic design on the augmented reality applications tracking ability; 2019. 692 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-91008-6_68		
ЕЛБІ	МЕЕП П	СТРІЛКОВА ТЕТЯНА ОЛЕКСАНДРІ ВНА	7	1. Strelkova TA. The potentialities of optical and electronic devices for biological objects investigations. Telecommun Radio Eng [Internet]. 1999;53(7-8):190-4. Available from: www.scopus.com		
				2. Strelkov AI, Ostashko FI, Lytyuga AP, Strelkova TA. A computer method for presentation of spermatozoon tracks for assessing ejaculate quality. Biomed Eng [Internet]. 2000;34(1):40-3. Available from: www.scopus.com		

				3. Strelkov AI, Ostashko FI, Lytiuga AP, Strelkova TA. Computer-assisted method of representation of sperm movement in the evaluation of the quality of ejaculate. Med Tekh [Internet]. 2000(1):34-6. Available from: www.scopus.com		
				4. Strelkova TA. [Effect of the video stream compression method on the microstructure of images in medical systems]. Med Tekh [Internet]. 2013(6):27-31. Available from: www.scopus.com		
				5. Strelkova TA. Influence of video stream compression on image microstructure in medical systems. Biomed Eng [Internet]. 2014;47(6):307-11. Available from: www.scopus.com		
				6. Strelkova T, Kartashov V, Lytyuga AP, Strelkov AI. Theoretical Methods of Images Processing in Optoelectronic Systems In: Developing and Applying Optoelectronics in Machine Vision. [Internet]. ; 2016 p. 180-205. Available from: www.scopus.com DOI: 10.4018/978-1-5225-0632-4.ch006		
				7. Strelkova T, Lytyuga AP, Kartashov V, Strelkov AI. Theoretical methods of images processing in optoelectronic systems In: Biometrics: Concepts, Methodologies, Tools, and Applications. [Internet]. ; 2016 p. 361-81. Available from: www.scopus.com DOI: 10.4018/978-1-5225-0983-7.ch016		
КН	ПІ	БАБІЙ АНДРІЙ СТЕПАНОВИ Ч	7	1. Yerokhin A, Nechyporenko A, Babii A, Turuta O. Usage of F-transform to finding informative parameters of rhinomanometric signals. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 2015. p. 129-32. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325449	6	Yerokhin, Andriy; Nechyporenko, Alina; Babii, Andrii; Turuta, Oleksii; A New Intelligence-Based Approach for Rhinomanometric Data Processing; 2016 IEEE 36TH INTERNATIONAL CONFERENCE ON ELECTRONICS AND NANOTECHNOLOGY (ELNANO); 2016

			2. Yerokhin A, Nechyporenko A, Babii A, Turuta O. A new intelligence-based approach for rhinomanometric data processing. In: 2016 IEEE 36th International Conference on Electronics and Nanotechnology, ELNANO 2016 - Conference Proceedings [Internet]; 2016. p. 198-201. Available from: www.scopus.com DOI: 10.1109/ELNANO.2016.7493047	Yerokhin, A. L.; Babii, A. S.; Nechyporenko, A. S.; Turuta, O. P.; A Lars-Based Method of the Construction of a Fuzzy Regression Model for the Selection of Significant Features; CYBERNETICS AND SYSTEMS ANALYSIS; 2016 52 10.1007/s10559-016-9867-5
			3. Yerokhin AL, Babii AS, Nechyporenko AS, Turuta OP. A lars-based method of the construction of a fuzzy regression model for the selection of significant features. Cybern Syst Anal [Internet]. 2016;52(4):641-6. Available from: www.scopus.com	Yerokhin, Andriy; Turuta, Oleksii; Babii, Andrii; Nechyporenko, Alina; Mahdalina, Ihor; Usage of Phase Space Diagram to Finding Significant Features of Rhinomanometric Signals; 2016 XITH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT); 2016
			4. Yerokhin A, Nechyporenko A, Babii A, Turuta O. Processing and analysis of rhinomanometric signals by F-transform approximation. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 2016. p. 314-7. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583566	Yerokhin, Andriy; Semenets, Valerii; Nechyporenko, Alina; Turuta, Oleksii; Babii, Andrii; F-transform 3D Point Cloud Filtering Algorithm; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
			5. Yerokhin A, Turuta O, Babii A, Nechyporenko A, Mahdalina I. Usage of phase space diagram to finding significant features of rhinomanometric signals. In: Computer Sciences and Information Technologies - Proceedings of the 11th International Scientific and Technical Conference, CSIT 2016 [Internet]; 2016. p. 70-2. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2016.7589871	Yerokhin, Andriy; Turuta, Oleksii; Babii, Andrii; Nechyporenko, Alina; Intelligent Information System of Heterogeneous Medical Data Analysis; PROCEEDINGS OF THE 2017 12TH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE ON COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT

						2017), VOL. 1; 2017
				6. Yerokhin A, Turuta O, Babii A, Nechyporenko A. Intelligent information system of heterogeneous medical data analysis. In: Proceedings of the 12th International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2017 [Internet]; 2017. p. 332-5. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2017.8098798		Yerokhin, Andriy; Nechyporenko, Alina; Babii, Andrii; Turuta, Oleksii; Processing and Analysis of Rhinomanometric Signals by F-transform Approximation; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
				7. Yerokhin A, Semenets V, Nechyporenko A, Turuta O, Babii A. F-transform 3D Point Cloud Filtering Algorithm. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 2018. p. 524-7. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478581		
КН	ІІІ	ТУРУТА ОЛЕКСІЙ ПЕТРОВИЧ	7	1. Yerokhin A, Nechyporenko A, Babii A, Turuta O. Usage of F-transform to finding informative parameters of rhinomanometric signals. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 2015. p. 129-32. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325449	6	Yerokhin, Andriy; Nechyporenko, Alina; Babii, Andrii; Turuta, Oleksii; A New Intelligence-Based Approach for Rhinomanometric Data Processing; 2016 IEEE 36TH INTERNATIONAL CONFERENCE ON ELECTRONICS AND NANOTECHNOLOGY (ELNANO); 2016
				2. Yerokhin A, Nechyporenko A, Babii A, Turuta O. A new intelligence-based approach for rhinomanometric data processing. In: 2016 IEEE 36th International Conference on Electronics and Nanotechnology, ELNANO 2016 - Conference Proceedings [Internet]; 2016. p. 198-201. Available from:		Yerokhin, A. L.; Babii, A. S.; Nechyporenko, A. S.; Turuta, O. P.; A Lars-Based Method of the Construction of a Fuzzy Regression Model for the Selection of Significant Features; CYBERNETICS AND SYSTEMS ANALYSIS; 2016 52 10.1007/s10559-016-

			www.scopus.com DOI: 10.1109/ELNANO.2016.7493047	9867-5
			3. Yerokhin AL, Babii AS, Nechyporenko AS, Turuta OP. A lars-based method of the construction of a fuzzy regression model for the selection of significant features. <i>Cybern Syst Anal</i> [Internet]. 2016;52(4):641-6. Available from: www.scopus.com	Yerokhin, Andriy; Turuta, Oleksii; Babii, Andrii; Nechyporenko, Alina; Mahdalina, Ihor; Usage of Phase Space Diagram to Finding Significant Features of Rhinomanometric Signals; 2016 XITH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT); 2016
			4. Yerokhin A, Nechyporenko A, Babii A, Turuta O. Processing and analysis of rhinomanometric signals by F-transform approximation. In: <i>Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016</i> [Internet]; 2016. p. 314-7. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583566	Yerokhin, Andriy; Semenets, Valerii; Nechyporenko, Alina; Turuta, Oleksii; Babii, Andrii; F-transform 3D Point Cloud Filtering Algorithm; 2018 IEEE SECOND INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2018
			5. Yerokhin A, Turuta O, Babii A, Nechyporenko A, Mahdalina I. Usage of phase space diagram to finding significant features of rhinomanometric signals. In: <i>Computer Sciences and Information Technologies - Proceedings of the 11th International Scientific and Technical Conference, CSIT 2016</i> [Internet]; 2016. p. 70-2. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2016.7589871	Yerokhin, Andriy; Turuta, Oleksii; Babii, Andrii; Nechyporenko, Alina; Intelligent Information System of Heterogeneous Medical Data Analysis; PROCEEDINGS OF THE 2017 12TH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE ON COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT 2017), VOL. 1; 2017

				6. Yerokhin A, Turuta O, Babii A, Nechyporenko A. Intelligent information system of heterogeneous medical data analysis. In: Proceedings of the 12th International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2017 [Internet]; 2017. p. 332-5. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2017.8098798		Yerokhin, Andriy; Nechyporenko, Alina; Babii, Andrii; Turuta, Oleksii; Processing and Analysis of Rhinomanometric Signals by F-transform Approximation; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
				7. Yerokhin A, Semenets V, Nechyporenko A, Turuta O, Babii A. F-transform 3D Point Cloud Filtering Algorithm. In: Proceedings of the 2018 IEEE 2nd International Conference on Data Stream Mining and Processing, DSMP 2018 [Internet]; 2018. p. 524-7. Available from: www.scopus.com DOI: 10.1109/DSMP.2018.8478581		
ЕЛБІ	ФОЕТ	ВАСЯНОВИЧ АНАТОЛІЙ ВОЛОДИМИРОВИЧ	7	1. Vasil'Yev SV, Vasyanovich AV. Use of nonuniform static magnetic field for improving basic characteristics of magnetron oscillator. Sov J Commun Technol Electron [Internet]. 1989;34(4):153-6. Available from: www.scopus.com	2	Gritsunov, A; Mutovina, N; Vasyanovich, A; The particle dynamics simulation in non-stationary models of CFD; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2002 10.1109/TCSET.2002.1015867
				2. Vasyanovich AV, Churyumov GI. Influence of amplitron operating mode on harmonic levels. Izv VUZ Radioelektron [Internet]. 1991;34(10):81-3. Available from: www.scopus.com		Nikitenko, AN; Vasyanovich, AV; EMI sources from microwave electron device; ELECTROMAGNETIC COMPATIBILITY 1996 - THIRTEENTH INTERNATIONAL WROCLAW SYMPOSIUM; 1996
				3. Vasyanovich AV, Zamula NN, Ustyantsev MA. Numerical modeling of slow wave structures for the amplitron. Telecommun Radio Eng [Internet]. 1999;53(7-8):116-9. Available from: www.scopus.com		

				4. Gritsunov A, Mutovina N, Vasyanovich A. The particle dynamics simulation in non-stationary models of CFD. In: Proceedings of the International Conference on Modern Problems of Radio Engineering, Telecommunications and Computer Science, TCSET 2002 [Internet]; 2002:2002. p. 85. Available from: www.scopus.com DOI: 10.1109/TCSET.2002.1015867		
				5. Vasyanovich AV, Gritsunov AV, Nikitenko AN, Horunzhii MO. General principles of spectral modeling of microwave devices. Telecommun Radio Eng [Internet]. 2003;60(1-2):88-99. Available from: www.scopus.com		
				6. Vasyanovich AV, Gnatenko AS, Pustynnikov DV. Optimization of thermal regime of continuous CO ₂ -lasers with diffusion cooling. Telecommun Radio Eng [Internet]. 2018;77(19):1685-95. Available from: www.scopus.com		
				7. Gnatenko AS, Machekhin YP, Kurskoy YS, Obozna VP, Vasyanovich AV. Ring fiber lasers for telecommunication systems. Telecommun Radio Eng [Internet]. 2018;77(6):541-8. Available from: www.scopus.com		
ЕЛБІ	ФОЕТ	ЧЕРНЯКОВ ЕДУАРД ІВАНОВИЧ	7	1. Chernyakov EI. Radiation of a beam moving over a diffraction grating on a shielded dielectric. Soviet Radiophysics [Internet]. 1965;8(1):142-4. Available from: www.scopus.com	1	Kukhtin, Mykhail; Machekhin, Yury; Chernyakov, Eduard; Nerukh, Alexandr; Lisetski, Longin; Cocherzhin, Alexandr; Tuning of Resonator by Control of Nematic Liquid Crystal Properties; 2010 12TH INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS (ICTON); 2011

				2. Tret'yakov OA, Chernyakov EI, Shestopalov VP. Theory of the smith-purcell effect. Soviet Radiophysics [Internet]. 1966;9(2):219-23. Available from: www.scopus.com		
				3. Tsvyk AI, Chernyakov EI. The excitation of electromagnetic waves by an electron beam flowing in an infinite waveguide containing slots. Radiophys Quantum Electron [Internet]. 1972;11(8):727-8. Available from: www.scopus.com		
				4. Kukhtin M, Machekhin Y, Chernyakov E, Nerukh A, Lisetski L, Cocherzhin A. Tuning of resonator by control of nematic liquid crystal properties. In: 2010 12th International Conference on Transparent Optical Networks, ICTON 2010 [Internet]; 20102010 Available from: www.scopus.com DOI: 10.1109/ICTON.2010.5548999		
				5. Kukhtin MP, Chernyakov EC, Nerukh AG, Lisetski LN, Kocherzhyn AK. Electrophysical properties of nematic liquid crystals under stationary and microwave electric and magnetic fields in the millimeter waveband. In: 2010 International Kharkov Symposium on Physics and Engineering of Microwaves, Millimeter and Submillimeter Waves, MSMW'2010 [Internet]; 20102010 Available from: www.scopus.com DOI: 10.1109/MSMW.2010.5545957		
				6. Kocherzhin AI, Kukhtin MP, Lisetski LN, Machekhin YP, Nerukh AG, Chernyakov EI. Effects of microwave electric and stationary magnetic fields on electrooptical properties of nematic liquid crystals with carbon nanotubes. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference		

				Proceedings [Internet]; 20102010. p. 799-800. Available from: www.scopus.com		
				7. Fedoryako AP, Kocherzhin AI, Kukhtin MP, Chernyakov EI. Dynamic light scattering in LC-440 nematic liquid crystal. Telecommun Radio Eng [Internet]. 2014;73(11):977-83. Available from: www.scopus.com		
НДЧ		ГРИЩЕНКО ТАМАРА БОРИСІВНА	7	1. Gryshchenko TB, Nikitenko OM, Vlashchenko LG, Volovenko MV. The charged particles' behaviour in crossed-field devices. In: 16th International Conference on Microwaves, Radar and Wireless Communications, MIKON 2006 [Internet]; 20072007 Available from: www.scopus.com DOI: 10.1109/MIKON.2006.4345322	1	Shtanko, V. I.; Grishchenko, T. B.; MARSHALL MCLUHAN AS AN ORACLE OF THE NEW ERA OF COMMUNICATIONS; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
				2. Gryshchenko TB, Nikitenko OM. Scientometric analysis of articles submitted to international crimean conference «Microwave and telecommunication technology» in global electronic databases. In: KpbiMuKo 2009 CriMiCo - 2009 19th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20092009. p. 30-1. Available from: www.scopus.com		
				3. Grishchenko TB, Rzhvtseva NL, Nikitenko OM. Scientific information access - Two way traffic. In: KpbiMuKo 2010 CriMiCo - 2010 20th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20102010. p. 8-15. Available		

				from: www.scopus.com		
				4. Grishchenko TB, Etenko NY, Nikitenko OM. Mapping the scientific heritage of professor B. L. Kashcheyev. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 106-7. Available from: www.scopus.com		
				5. Grishchenko TB, Nikitenko OM. A comparative scientometric analysis of papers submitted at international youth conferences "modern problems of radiotechnics and telecommunicayions" and "radioelectronics and youth in the XXI-th century". In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20122012. p. 50-1. Available from: www.scopus.com		
				6. Shemayev AA, Grishchenko TB, Shemayeva AV, Nikitenko OM. Methodological basis of science and technics historical investigations. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 40-1. Available from: www.scopus.com		
				7. Shtanko VI, Grishchenko TB. Marshall McLuhan as an oracle of the new era of communications. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet];		

				20142014. p. 39-40. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959282		
ЕЛБИ	БМІ	СНІЖКО ДМИТРО ВІКТОРОВИЧ	6	1. Zholudov Y, Snizhko D, Kukoba A, Bilash H, Rozhitskii M. Aqueous electrochemiluminescence of polycyclic aromatic hydrocarbons immobilized into langmuir-blodgett film at the electrode. Electrochim Acta [Internet]. 2008;54(2):360-3. Available from: www.scopus.com	6	Zholudov, Y.; Snizhko, D.; Kukoba, A.; Bilash, H.; Rozhitskii, M.; Aqueous electrochemiluminescence of polycyclic aromatic hydrocarbons immobilized into Langmuir-Blodgett film at the electrode; ELECTROCHIMICA ACTA; 2008 54 10.1016/j.electacta.2008.07.069
				2. Snizhko DV, Zholudov YT, Bilash OM, Kukoba AV, Rozhitskii MM. Electrochemiluminescence at nitrogen doped diamond-like carbon film electrodes. Russ J Electrochem [Internet]. 2014;50(3):260-6. Available from: www.scopus.com		Snizhko, D. V.; Zholudov, Yu T.; Bilash, O. M.; Kukoba, A. V.; Rozhitskii, M. M.; Electrochemiluminescence at Nitrogen Doped Diamond-Like Carbon Film Electrodes; RUSSIAN JOURNAL OF ELECTROCHEMISTRY; 2014 50 10.1134/S1023193514020037
				3. Snizhko DV, Sushko OA, Reshetnyak EA, Shtofel DH, Zyska T, Smolarz A, Mussabekov N, Kalizhanova A. Colorimeter based on color sensor. Prz Elektrotech [Internet]. 2017;93(5):96-101. Available from: www.scopus.com		Fereja, Tadesse Haile; Kite, Shimeles Addisu; Snizhko, Dmytro; Qi, Liming; Nsabimana, Anaclet; Liu, Zhongyuan; Xu, Guobao; Tris(2,2'-bipyridyl)ruthenium(II) electrochemiluminescent determination of ethyl formate; ANALYTICAL AND BIOANALYTICAL CHEMISTRY; 2018 410 10.1007/s00216-018-1275-4
				4. Snizhko D, Bani-Khaled G, Muzyka K, Xu G. Apparatus "Spark" for luminescent and electrochemiluminescent measurements. Prz Elektrotech [Internet]. 2018;94(6):38-42. Available from: www.scopus.com		Snizhko, Dmytro; Bani-Khaled, Ghazi; Muzyka, Kateryna; Xu, Guobao; Apparatus Spark for luminescent and electrochemiluminescent measurements; PRZEGLAD ELEKTROTECHNICZNY; 2018 94 10.15199/48.2018.06.07

				5. Yuan F, Qi L, Fereja TH, Snizhko DV, Liu Z, Zhang W, Xu G. Regenerable bipolar electrochemiluminescence device using glassy carbon bipolar electrode, stainless steel driving electrode and cold patch. <i>Electrochim Acta</i> [Internet]. 2018;262:182-6. Available from: www.scopus.com		Snizhko, Dmytro V.; Rozhitskii, Mykola M.; Chemiluminescent system of bioobjects antioxidant activity definition; LUMINESCENCE; 2012 27
				6. Fereja TH, Kitte SA, Snizhko D, Qi L, Nsabimana A, Liu Z, Xu G. Tris(2,2'-bipyridyl)ruthenium(II) electrochemiluminescent determination of ethyl formate. <i>Anal Bioanal Chem</i> [Internet]. 2018;410(26):6779-85. Available from: www.scopus.com		Bilash, Olena M.; Snizhko, Dmytro V.; Rozhitskii, Mykola M.; Nanodiamond film electrodes for water assay electrochemiluminescent sensors; LUMINESCENCE; 2010 25
KIY	EOM	АКСАК НАТАЛІЯ ГЕОРГІЇВНА	6	1. Barkovskaya O, Axak N. Contrastive analysis of the parallel version of the binary image skeletonization algorithms on basis of binary matrix and structural elements. In: <i>The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007</i> [Internet]; 2007;2007. p. 435-6. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297609	2	Korablyov, Mykola; Axak, Natalia; Soloviov, Dmytro; Hybrid evolutionary decision-making model based on neural network and immune approaches; 2018 IEEE 13TH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE ON COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT), VOL 1; 2018
				2. Shklovets AV, Axak NG. Visualization of high-dimensional data using two-dimensional self-organizing piecewise-smooth kohonen maps. <i>Opt Mem Neural Netw (Inf Opt)</i> [Internet]. 2012;21(4):227-32. Available from: www.scopus.com		Axak, N. G.; DEVELOPMENT OF PERSONALIZATION SYSTEM OF SPECIALIZED WEB PORTAL; RADIO ELECTRONICS COMPUTER SCIENCE CONTROL; 2018 10.15588/1607-3274-2018-1-11
				3. Axak N. Development of multi-agent system of neural network diagnostics and remote monitoring of patient. <i>East -Eur J Enterp Technol</i> [Internet]. 2016;4(9-82):4-11. Available from: www.scopus.com		

				4. Axak N, Rosinskiy D, Barkovska O, Novoseltsev I. Cloud-fog-dew architecture for personalized service-oriented systems. In: Proceedings of 2018 IEEE 9th International Conference on Dependable Systems, Services and Technologies, DESSERT 2018 [Internet]; 20182018. p. 78-82. Available from: www.scopus.com DOI: 10.1109/DESSERT.2018.8409103		
				5. Barkovska O, Axak N, Rosinskiy D, Liashenko S. Application of mydriasis identification methods in parental control systems. In: Proceedings of 2018 IEEE 9th International Conference on Dependable Systems, Services and Technologies, DESSERT 2018 [Internet]; 20182018. p. 459-63. Available from: www.scopus.com DOI: 10.1109/DESSERT.2018.8409177		
				6. Korablyov M, Axak N, Soloviov D. Hybrid evolutionary decision-making model based on neural network and immune approaches. In: 2018 IEEE 13th International Scientific and Technical Conference on Computer Sciences and Information Technologies, CSIT 2018 - Proceedings [Internet]; 20182018. p. 378-81. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2018.8526594		
КІУ	ЕОМ	МІХАЛЬ ОЛЕГ ПИЛИПОВИЧ	6	1. Mikhal' OF. Refinement of the time-interval concept from fuzzy-set theory. Meas Tech [Internet]. 1987;30(8):725-8. Available from: www.scopus.com		
				2. Mikhal' OF. Interpretation of the time axis from the standpoint of the theory of fuzzy sets. Meas Tech [Internet]. 1993;36(8):891-4. Available from: www.scopus.com		

				3. Mikhal' OF, Rudenko OG. Principles of organization of fuzzy regulation systems based on uniform local-parallel algorithms. Upr Sist Mash [Internet]. 2001(3):3-11. Available from: www.scopus.com		
				4. Mikhal OF, Rudenko OG. Petri nets modeling of a virtual computing device for studying the efficiency of local-parallel algorithms. Upr Sist Mash [Internet]. 2003(3):18-29. Available from: www.scopus.com		
				5. Mikhal OF, Rudenko OG, Halaibeh Z. Modeling of a system of fuzzy regulation using fuzzy petri nets. Upr Sist Mash [Internet]. 2005(4):3-7. Available from: www.scopus.com		
				6. Gusiatin V, Gusiatin M, Mikhal O. Ray tracing synthesis of spatial curve images built by the spherical interpolation method. East -Eur J Enterp Technol [Internet]. 2017;3(4-87):4-9. Available from: www.scopus.com		
ITM	ІНФ	КИНОШЕНКО ДМИТРО КОСТЯНТИН ОВИЧ	6	1. Kinoshenko D, Mashtalir V, Orlov A, Yegorova E. Method of creating of functional invariants under one-parameter geometric image transformations; 2003. 68 p. Available from: www.scopus.com	5	Kinoshenko, D; Mashtalir, V; Yegorova, E; Vinarsky, V; Hierarchical partitions for content image retrieval from large-scale database; MACHINE LEARNING AND DATA MINING IN PATTERN RECOGNITION, PROCEEDINGS; 2005 3587
				2. Kinoshenko D, Mashtalir V, Yegorova E, Vinarsky V. Hierarchical partitions for content image retrieval from large-scale database; 2005. 445 p. Available from: www.scopus.com		Kinoshenko, D; Mashtalir, V; Orlov, A; Yegorova, E; Method of creating of functional invariants under one-parameter geometric image transformations; PATTERN RECOGNITION, PROCEEDINGS; 2003 2781
				3. Chupikov A, Kinoshenko D, Mashtalir V, Shcherbinin K. Image retrieval with segmentation-based query; 2007. 207 p. Available from: www.scopus.com		Kinoshenko, Dmitry; Mashtalir, Vladimir; Shlyakhov, Vladislav; Yegorova, Elena; Nested Partitions Properties for Spatial Content Image Retrieval; MULTIMEDIA STORAGE AND

						RETRIEVAL INNOVATIONS FOR DIGITAL LIBRARY SYSTEMS; 2012 10.4018/978-1-4666-0900-6.ch013
				4. Kinoshenko D, Mashtalir V, Yegorova E. Block-diagonal form of distance matrix for region-based image retrieval. In: Proceedings - International Conference on Pattern Recognition [Internet]; 20082008Available from: www.scopus.com		Kinoshenko, D.; Mashtalir, V.; Yegorova, E.; Block-Diagonal Form of Distance Matrix for Region-Based Image Retrieval; 19TH INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION, VOLS 1-6; 2008
				5. Kinoshenko D, Mashtalir V, Shlyakhov V, Yegorova E. Metrical properties of nested partitions for image retrieval In: Machine Learning Techniques for Adaptive Multimedia Retrieval: Technologies, Applications, and Perspectives. [Internet]. ; 2010 p. 18-49. Available from: www.scopus.com DOI: 10.4018/978-1-61692-859-9.ch001		Chupikov, Andrew; Kinoshenko, Dmitry; Mashtalir, Vladimir; Shcherbinin, Konstantin; Image retrieval with segmentation-based query; ADAPTIVE MULTIMEDIA RETRIEVAL: USER, CONTEXT, AND FEEDBACK; 2007 4398
				6. Kinoshenko D, Mashtalir S, Shlyakhov V, Stolbovyi M. Video shots retrieval with use of pivot points; 2019. 102 p. Available from: www.scopus.com DOI: 10.1007/978-3-319-91008-6_11		
КН	ІУС	САЄНКО ВОЛОДИМИР ІВАНОВИЧ	6	1. Sayenko V, Panchenko A. Design of policy based network traffic management system. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 6th International Conference, CADSM 2001 [Internet]; 20012001. p. 227-9.Available from: www.scopus.com DOI: 10.1109/CADSM.2001.975819	4	Grytsenko, Oleksii; Sayenko, Volodymir; A Method of Network Monitoring with Reduced Measured Data; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
				2. Sayenko V, Al Rawajbeh M, Golubev A. Continuous monitoring system for estimation the quality of service of computer network. J Appl Sci [Internet]. 2010;10(18):2034-40. Available from: www.scopus.com		Sayenko, Vladimir; Method of Evaluation of Service Providing for Users in a Infocommunication System; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS

					OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
				3. Sayenko V. Method of evaluation of service providing for users in a infocommunication system. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 19-20. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992284	Alekseev, Dmytro; Sayenko, Vladimir; Proactive Fault Detection in Computer Networks; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
				4. Alekseev D, Sayenko V. Proactive fault detection in computer networks. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 90-1. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992309	Sayenko, V; Panchenko, A; Design of policy based network traffic management system; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2001 10.1109/CADSM.2001.975819
				5. Rawajbeh MA, Sayenko V, Muhairat MI. Simplified CBA concept and express choice method for integrated network management system. Int J Comput Netw Commun [Internet]. 2016;8(3):47-65. Available from: www.scopus.com	
				6. Grytsenko O, Sayenko V. A method of network monitoring with reduced measured data. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 477-82. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246442	

ІК	ІМІ	ЧЕБОТАРЬОВ А ДАРІЯ ВАСИЛІВНА	6	1. Bezruk V, Chebotariova D. Multicriteria optimization of projects solutions using performance characteristics method when planning mobile communication networks. In: TCSET 2008 - Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the International Conference [Internet]; 20082008. p. 412-3. Available from: www.scopus.com	1	Bezruk, Valeriy; Jo, Minh; Chebotareva, Daria; Ivanenko, Stanislav; Multicriteria Optimization in Planning of Mobile Communication Networks; 2014 20TH INTERNATIONAL CONFERENCE ON MICROWAVES, RADAR, AND WIRELESS COMMUNICATION (MIKON); 2014
				2. Bezruk VM, Chebotaryova DV, Anishchenko AV. Automatic control of radio communication networks design. Telecommun Radio Eng [Internet]. 2009;68(5):429-44. Available from: www.scopus.com		
				3. Bezruk VM, Chebotareova DV. Models of the traffic in mobile communication network. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 255. Available from: www.scopus.com		
				4. Bezruk VM, Chebotaryova DV. Multicriteria optimization of design variants when planning of mobile telecommunications networks. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 494-5. Available from: www.scopus.com		
				5. Bezruk V, Jo M, Chebotareva D, Ivanenko S. Multicriteria optimization in planning of mobile communication networks. In: 2014 20th International Conference on Microwaves, Radar and Wireless Communications, MIKON 2014 [Internet]; 20142014 Available from: www.scopus.com DOI: 10.1109/MIKON.2014.6899974		

				6. Bezruk VM, Chebotaryova DV. Optimal decision making when planning mobile communication networks taking into account a set of quality factors. Telecommun Radio Eng [Internet]. 2015;74(18):1635-49. Available from: www.scopus.com		
ІК	ІМІ	СКОРИК ЮЛІЯ ВАЛЕРІЇВНА	6	1. Bezruk V, Skorik Y. Optimization of speech codecs on set of indicators of quality. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 212. Available from: www.scopus.com	2	Bezruk, Valeriy; Skorik, Julia; Vlasova, Viktoriya; Koltun, Yuriy; Kostromitsky, Andriy; Analytic Hierarchy Process for Choosing the Self-Organization Algorithm For Wireless Sensor Network; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
				2. Bezruk V, Skoryk Y. Choice of preferred telecommunications means on the basis of the hierarchy analysis method. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 31-3. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992289		Bezruk, Valeriy; Skorik, Yulia; Multi-Criteria Choice of the Preferred Type of Mobile Phone by the Analytic Hierarchy Process; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
				3. Bezruk V, Skorik Y. Multi-criteria choice of the preferred type of mobile phone by the analytic hierarchy process. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 108-9. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357284		

				4. Bezruk V, Zelenin A, Vlasova V, Skorik J, Koltun Y. Selection of preferred routing protocols of wireless sensor and actuator network nodes. East -Eur J Enterp Technol [Internet]. 2016;1(9):4-9. Available from: www.scopus.com		
				5. Bezruk V, Skorik Y. Multi-criteria selection of optimum means of telecommunications. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 624-6. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452134		
				6. Bezruk V, Skorik J, Vlasova V, Koltun Y, Kostromitsky A. Analytic hierarchy process for choosing the self-organization algorithm for wireless sensor network. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 189-91. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905377		
ОПТ	КРiСТ 3I	БЄЛЯВЦЕВ ВАДИМ БОРИСОВИЧ	6	1. Belyavtsev VB. Calculation of the transient attenuation of couplers through a thick-film skin layer in the common waveguides wall. Izv Vyssh Uchebn Zaved Radioelektron [Internet]. 1976;19(2):100-2. Available from: www.scopus.com	5	BELYAVTSEV, VB; SLOTLESS COUPLERS WITH NONCOPHASAL COUPLING; IZVESTIYA VYSSHNIKH UCHEBNIKH ZAVEDENII RADIOELEKTRONIKA; 1978 21
				2. Belyavtsev VB, Sredniy VP, Sosunov VA. NONEQUIDISTANT WAVEGUIDE COUPLERS WITH A CONTINUOUSLY DISTRIBUTED WEAK COUPLING. Radio Eng Electron Phys [Internet]. 1982;27(10):49-53. Available from: www.scopus.com		Belyavtsev, VB; Volkov, VM; Design of broadband waveguide power converters based on an absorbing wall with finite sensitive elements; MEASUREMENT TECHNIQUES; 1999 42 10.1007/BF02504404

				3. Belyavtsev VB, Volkov VM. Effective reflection factor of waveguide transmitted power converter. Meas Tech [Internet]. 1996;39(3):322-5. Available from: www.scopus.com		Belyavtsev, VB; Volkov, VM; Effective reflection factor of waveguide transmitted power converter; MEASUREMENT TECHNIQUES USSR; 1996 39 10.1007/BF02374588
				4. Beljvtsev VB, Volkov VM. Two-element waveguide passing power sensor based on absorbing wall principle. In: 1999 9th International Crimean Microwave Conference: Microwave and Telecommunication Technology, CriMiCo 1999 - Conference Proceedings [Internet]; 1999:1999. p. 364-5. Available from: www.scopus.com DOI: 10.1109/CRMICO.1999.815271		BELYAVTSEV, VB; A RECTANGULAR WAVE-GUIDE WITH MOVING DIELECTRIC PLATE, ROTATING AROUND THE RIB LINE; IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII RADIOELEKTRONIKA; 1985 28
				5. Belyavtsev VB, Volkov VM. Radioengineering measurements: Design of broadband waveguide power converters based on an absorbing wall with finite sensitive elements. Meas Tech [Internet]. 1999;42(4):399-405. Available from: www.scopus.com		BELYAVTSEV, VB; SEREDNY, VP; SOSUNOV, VA; UNEQUIDISTANT BRANCHED-GUIDE COUPLERS WITH CONTINUOUSLY DISTRIBUTED LOOSE COUPLING; RADIOTEKHNIKA I ELEKTRONIKA; 1982 27
				6. Bieliavtsev V, Pryimak V, Markus A. Non-quarter-wave-length matching transformer. Radioelectron Commun Syst [Internet]. 2014;57(7):328-30. Available from: www.scopus.com		
OPT	КРiСТ Зi	ЯГУДiНА ОЛЕНА В`ЯЧЕСЛАВiВ НА	6	1. Strelnitskyi AA, Strelnitskyi AE, Tsopa AI, Shokalo VM, Yagudina EV. Estimation of the probability to detect signals of wireless communication systems with wiretap channels with antennas apertures of different sizes and relative position. Telecommun Radio Eng [Internet]. 2011;70(7):601-6. Available from: www.scopus.com		

				2. Strelnitskiy OO, Strelnitskiy OE, Shokalo VM, Yagudina OV. The method for calculating channel digital communication systems with a given probability of detection. In: CriMiCo 2011 - 2011 21st International Crimean Conference: Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20112011. p. 433-5. Available from: www.scopus.com		
				3. Strelnitskiy AA, Strelnitskiy AE, Shokalo VM, Yagudina EV. Method for calculation of radio channel of information transmission digital systems with specified detection probability. Telecommun Radio Eng [Internet]. 2012;71(3):227-34. Available from: www.scopus.com		
				4. Strelnitskiy OO, Shokalo VM, Yagudina EV, Abdul-Hussein MK. The method of calculating detection areas of digital communication systems. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 268. Available from: www.scopus.com		
				5. Strelnitskiy AA, Shokalo VM, Yagudina EV, Abdul-Hussein MK. Method of calculating the detection zone boundaries of the rayleigh wi-fi wireless channel with quasi-static fading. Radioelectron Commun Syst [Internet]. 2012;55(10):452-7. Available from: www.scopus.com		
				6. Shokalo VM, Strelnitskiy AA, Abdul-Hussein MK, Yagudina EV. Refined model for calculation of limiting secret efficiency of wi-fi communication channel. Telecommun Radio Eng [Internet]. 2012;71(16):1465-73. Available from: www.scopus.com		

ЕЛБИ	МЕЕП П	ГЛУХОВ ОЛЕГ ВІКТОРОВИЧ	6	1. Glukhov OV, Yakovenko VM. Instability of longitudinal oscillations in a bounded semiconductor plasma. Radiophys Quantum Electron [Internet]. 1989;32(7):679-84. Available from: www.scopus.com	1	Sudzhanskaya, I. V.; Poplavsky, A. I.; Goncharov, I. Yu; Glukhov, O. V.; Influence of the Angle of Inclination of the Plasma Flow of Carbon to the Substrate on the Electrical Capacitance and Morphology of the Surface of Carbon Coatings; JOURNAL OF NANO-AND ELECTRONIC PHYSICS; 2017 9 10.21272/jnep.9(6).06027
				2. Burtyka MV, Glukhov OV, Yakovenko VM. Instability of electromagnetic oscillations of the millimeter wave range specified by injection of charge carrier in inhomogeneous semiconductor structures. In: [Internet]; 1989; p. 602-5. Available from: www.scopus.com		
				3. Burtyka MV, Glukhov OV, Yakovenko VM. Electron-polariton interactions in submicron semiconductor structures. Solid-State Electron [Internet]. 1990;33(11):1339-41. Available from: www.scopus.com		
				4. Burtyka MV, Glukhov OV, Yakovenko VM. Interaction of hot electrons with two-dimensional gas in semiconductor superlattices. Solid-State Electron [Internet]. 1991;34(6):559-64. Available from: www.scopus.com		
				5. Sudzhanskaya IV, Poplavsky AI, Goncharov IY, Glukhov OV. Influence of the angle of inclination of the plasma flow of carbon to the substrate on the electrical capacitance and morphology of the surface of carbon coatings. J Nano Electron Phys [Internet]. 2017;9(6) Available from: www.scopus.com		

				6. Lytovchenko SV, Mazilin BA, Beresnev VM, Stolbovoy VM, Kovalyova MG, Kritsyna EV, Kolodiy IV, Glukhov OV, Malikov LV. (TiZr)N/(TiSi)N multilayer nanostructured coatings obtained by vacuum arc deposition. J Nano Electron Phys [Internet]. 2018;10(5) Available from: www.scopus.com		
ИПТЗІ	МТС	ВОРГУЛЬ ОЛЕКСАНДР ВАСИЛЬОВИ Ч	6	1. Vorgul AV. Determining a two-dimensional function by small sample using the method of computer tomography. Telecommun Radio Eng [Internet]. 1997;51(11-12):63-6. Available from: www.scopus.com	1	Vorgul, IY; Nerukh, AG; Inverse problem for medium with transient conductivity; MICROWAVE AND OPTICAL TECHNOLOGY LETTERS; 1998 19 10.1002/(SICI)1098-2760(19981020)19:3<192::AID-MOP6>3.3.CO;2-Y
				2. Vorgul AV. Determining the density of meteor bodies flux on celestial sphere by imitation modeling method. Telecommun Radio Eng [Internet]. 1997;51(11-12):45-8. Available from: www.scopus.com		
				3. Voloshchuk YI, Vorgul AV, Kashcheev BL. The meteor complex near the earth's orbit: Sporadic background, streams, and associations. III. sources of stream and sporadic meteoric bodies. Sol Syst Res [Internet]. 1997;31(4):306-29. Available from: www.scopus.com		
				4. Vorgul' AV. Determination of the velocity of a meteor body by using simulation techniques. Telecommun Radio Eng [Internet]. 1998;52(6):101-4. Available from: www.scopus.com		
				5. Vorgul IY, Vorgul AV. Observation of a ball lightning with estimating analysis based on explosion-like discharge model. In: IEEE International Symposium on Electromagnetic Compatibility [Internet]; 2001:2001. p. 1046-7. Available from:		

				www.scopus.com		
				6. Vorgul IY, Vorgul AV. Solving electrodynamic problems in time-varying media: Different approaches based on the integral equation. Telecommun Radio Eng [Internet]. 2003;60(7-9):40-7. Available from: www.scopus.com		
КН	ІІ	БІЛОУС НАТАЛІЯ ВАЛЕНТИНІВ НА	6	1. Bilous N, Semerkov V. Evaluation of the outsourcing services customer rating. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 2014. p. 92-3. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992310	6	Shcherbakova, G. Y.; Krylov, V. N.; Bilous, N. V.; METHODS OF AUTOMATED CLASSIFICATION BASED ON WAVELET-TRANSFORM FOR AUTOMATED MEDICAL DIAGNOSTICS; PROCEEDINGS OF 2015 INFORMATION TECHNOLOGIES IN INNOVATION BUSINESS CONFERENCE (ITIB); 2015
				2. Shcherbakova GY, Krylov VN, Bilous NV. Methods of automated classification based on wavelet-transform for automated medical diagnostics. In: 2015 Information Technologies in Innovation Business Conference, ITIB 2015 - Proceedings [Internet]; 2015. p. 7-10. Available from: www.scopus.com DOI: 10.1109/ITIB.2015.7355048		Krylov, Victor; Shcherbakova, Galina; Pisarenko, Radmila; Bilous, Nataliya; Signal Restoration by Means of Blind Deconvolution Based on Optimization with Wavelet Transformation; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016
				3. Bilous N, Timoshenko Y, Antoshchuk S. Establishment of the international training centre of startups. In: 2015 Information Technologies in Innovation Business Conference, ITIB 2015 - Proceedings [Internet]; 2015. p. 56-9. Available from: www.scopus.com DOI:		Sheherbakova, Galyna; Krylov, Victor; Logvinov, Oleg; Bilous, Nataliva; Adjustement of Wavelet Function Parameters for Analysis of Non-stationary Periodic Signals with Multistart Optimization; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE

			10.1109/ITIB.2015.7355052	PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
			4. Krylov V, Shcherbakova G, Pisarenko R, Bilous N. Signal restoration by means of blind deconvolution based on optimization with wavelet transformation. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 2017. p. 21-3. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905324	Shcherbakova, Galyna; Hao-Su, Shi; Krylov, Victor; Bilous, Natalija; Antoshchuk, Svitlana; Estimation of the Duration of RR-intervals of Electrocardiograms by Mean of Multi-start Optimization Based on Wavelet Transformation; PROCEEDINGS OF THE 2017 9TH IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT DATA ACQUISITION AND ADVANCED COMPUTING SYSTEMS: TECHNOLOGY AND APPLICATIONS (IDAACS), VOL 2; 2017
			5. Shcherbakova G, Hao-Su S, Krylov V, Bilous N, Antoshchuk S. Estimation of the duration of RR-intervals of electrocardiograms by mean of multi-start optimization based on wavelet transformation. In: Proceedings of the 2017 IEEE 9th International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, IDAACS 2017 [Internet]; 2017. p. 752-5. Available from: www.scopus.com DOI: 10.1109/IDAACS.2017.8095190	Bilous, Nataliya; Timoshenko, Yury; Antoshchuk, Svetlana; ESTABLISHMENT OF THE INTERNATIONAL TRAINING CENTRE OF STARTUPS; PROCEEDINGS OF 2015 INFORMATION TECHNOLOGIES IN INNOVATION BUSINESS CONFERENCE (ITIB); 2015
			6. Shcherbakova G, Krylov V, Logvinov O, Bilous N. Adjustment of wavelet function parameters for analysis of non-stationary periodic signals with multistart optimization. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 -	Bilous, N.; Semerkov, V.; Evaluation of the Outsourcing Services Customer Rating; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014

				Proceedings [Internet]; 2018. p. 110-2. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246361		
АКТ	ПЕЕА	КЛЮЧНИК ІГОР ІВАНОВИЧ	6	1. Klyuchnik II, Novik VK. NEUTRALIZING PIEZOELECTRIC NOISE IN MICROWAVE PYRORECEIVERS. Radioelectron Commun Syst [Internet]. 1986;29(3):108-10. Available from: www.scopus.com	2	Langmann, Reinhard; Makarova, Yuliya; Rojas-Pena, Leandro; Galkin, Pavlo; Klyuchnik, Igor; Voropaeva, Viktoriya; Pozepaev, Valerii; Zinyuk, Lyubov; Skrypyuk, Rostislav; Shaporina, Elena; Shaporin, Volodymyr; Shapo, Vladlen; Gorb, Sergii; Workshop: The TATU Lab & Smart Education; PROCEEDINGS OF 2016 13TH INTERNATIONAL CONFERENCE ON REMOTE ENGINEERING AND VIRTUAL INSTRUMENTATION (REV); 2016
				2. Klyuchnik II, Lodygin MA. Periodicity criterion for adaptive algorithm of determining the signal's period. Radioelectron Commun Syst [Internet]. 2008;51(11):580-4. Available from: www.scopus.com		Shynkarenko, Yurii; Klyuchnyk, Igor; Synchronous Rectifiers Enable High Efficiency for Buck-Boost Converter; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013
				3. Vasylyev IV, Zherdev AV, Zaichenko OB, Kalyapin YV, Kluchnik II, Panchenko AY, Radeiko BM. Specialized multiprobe multimeters in technological high power microwave plants. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2012. p. 927-8. Available from: www.scopus.com		
				4. Shynkarenko Y, Klyuchnyk I. Synchronous rectifiers enable high efficiency for buck-boost converter. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS 2013 [Internet];		

				20132013 Available from: www.scopus.com DOI: 10.1109/EWDTS.2013.6673166		
				5. Zaichenko OB, Klyuchnik II, Miroschnik MA, Tzekhmistro RI. The comparative analysis of a multiprobe microwave multimeters with involvement of processing by the kalman filtering and the least-squares methods with regard for re-reflection of probes. Telecommun Radio Eng [Internet]. 2015;74(1):79-86. Available from: www.scopus.com		
				6. Langmann R, Makarova Y, Rojas-Peña L, Galkin P, Klyuchnik I, Voropaeva V, Pozepaev V, Zinyuk L, Skrypyuk R, Ivano-Frankivsk, Shaporina E, Shaporin V, Shapo V, Gorb S. Workshop: The TATU Lab & smart education. In: Proceedings of 2016 13th International Conference on Remote Engineering and Virtual Instrumentation, REV 2016 [Internet]; 20162016. p. 400-2. Available from: www.scopus.com DOI: 10.1109/REV.2016.7444512		
АКТ	ФІЗ	ОНИЩЕНКО АНДРІЙ АНАТОЛІЙОВ ИЧ	6	1. Chernogor LF, Lazorenko OV, Onishchenko AA. Fractal analysis of the fractal ultra-wideband signals. Probl Atomic Sci Technol [Internet]. 2015;98(4):248-51. Available from: www.scopus.com	6	Chernogor, Leonid F.; Lazorenko, Oleg V.; Onishchenko, Andriy A.; New Models of the Fractal Ultra-Wideband Signals; 2016 8TH INTERNATIONAL CONFERENCE ON ULTRAWIDEBAND AND ULTRASHORT IMPULSE SIGNALS (UWBUSIS); 2016
				2. Chernogor LF, Lazorenko OV, Onishchenko AA. New models of the fractal ultra-wideband signals. In: 2016 8th International Conference on Ultrawideband and Ultrashort Impulse Signals, UWBUSIS 2016 [Internet]; 20162016. p. 89-92. Available from: www.scopus.com DOI:		Chernogor, Leonid F.; Lazorenko, Oleg V.; Onishchenko, Andriy A.; Fractal Analysis of the Gravitational Waves as a Unique Ultra-Wideband Process; 2018 9TH INTERNATIONAL CONFERENCE ON ULTRAWIDEBAND AND ULTRASHORT

			10.1109/UWBUSIS.2016.7724158		IMPULSE SIGNALS (UWBUSIS); 2018
			3. Chernogor LF, Lazorenko OV, Onishchenko AA. Dispersive distortions of the fractal ultra-wideband signals in plasma media. Probl Atomic Sci Technol [Internet]. 2018;116(4):135-8. Available from: www.scopus.com		Chernogor, Leonid F.; Lazorenko, Oleg V.; Onishchenko, Andriy A.; Multi-Fractal Analysis of the Acoustic Ultra-Wideband Signal Caused by the Chelyabinsk Meteoroid; 2018 9TH INTERNATIONAL CONFERENCE ON ULTRAWIDEBAND AND ULTRASHORT IMPULSE SIGNALS (UWBUSIS); 2018
			4. Chernogor LF, Garmash KP, Lazorenko OV, Onishchenko AA. Multi-fractal analysis of the earth's electromagnetic field time variations caused by the powerful geospace storm occurred on september 7-8, 2017. Probl Atomic Sci Technol [Internet]. 2018;116(4):118-21. Available from: www.scopus.com		Chernogor, L. F.; Garmash, K. P.; Lazorenko, O., V; Onishchenko, A. A.; MULTI-FRACTAL ANALYSIS OF THE EARTH'S ELECTROMAGNETIC FIELD TIME VARIATIONS CAUSED BY THE POWERFUL GEOSPACE STORM OCCURRED ON SEPTEMBER 7-8, 2017; PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY; 2018
			5. Chernogor LF, Lazorenko OV, Onishchenko AA. Multi-Fractal Analysis of the Acoustic Ultra-Wideband Signal Caused by the Chelyabinsk Meteoroid. In: UWBUSIS 2018 - 2018 9th International Conference on Ultrawideband and Ultrashort Impulse Signals, Proceedings [Internet]; 2018. p. 123-6. Available from: www.scopus.com DOI: 10.1109/UWBUSIS.2018.8520256		Chernogor, L. F.; Lazorenko, O., V; Onishchenko, A. A.; DISPERSIVE DISTORTIONS OF THE FRACTAL ULTRA-WIDEBAND SIGNALS IN PLASMA MEDIA; PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY; 2018

				6. Chernogor LF, Lazorenko OV, Onishchenko AA. Fractal Analysis of the Gravitational Waves as a Unique Ultra-Wideband Process. In: UWBUSIS 2018 - 2018 9th International Conference on Ultrawideband and Ultrashort Impulse Signals, Proceedings [Internet]; 2018. p. 34-9. Available from: www.scopus.com DOI: 10.1109/UWBUSIS.2018.8519979		Chernogor, L. F.; Lazorenko, O., V; Onishchenko, A. A.; FRACTAL ANALYSIS OF THE FRACTAL ULTRA-WIDEBAND SIGNALS; PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY; 2015
КН	ШІ	ФІЛАТОВ ВАЛЕНТИН ОЛЕКСАНДРО ВИЧ	6	1. Ponomarenko LA, Filatov VA, Tsybul'nik EE. Agent technologies in information retrieval and decision-making problems. Upr Sist Mash [Internet]. 2003(1):36-42. Available from: www.scopus.com	3	Filatov, V. A.; Smolskiy, S. M.; WIRELESS MICROWAVE SYSTEM STUDY FOR REMOTE MONITORING OF ENVIRONMENTAL PARAMETERS; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
				2. Filatov VA. A concept of the development of 'ELECTIONS' information-analytical system. Upr Sist Mash [Internet]. 2004(3):15-9. Available from: www.scopus.com		Filatov, V. A.; Rudenko, D. A.; Grinyova, E. E.; MEANS OF INTEGRATION OF HETEROGENEOUS DATA CORPORATE INFORMATION AND TELECOMMUNICATION SYSTEMS; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014
				3. Filatov V. About one approach to the classification of program agents. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 2006. p. 410-1. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404565		Filatov, Valentin; About one approach to the classification of program agents; TCSET 2006: MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE, PROCEEDINGS; 2006

				4. Filatov VA, Smolskiy SM. Wireless microwave system study for remote monitoring of environmental parameters. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20142014. p. 970-1. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959718		
				5. Filatov VA, Rudenko DA, Grinyova EE. Means of integration of heterogeneous data corporate information and telecommunication systems. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20142014. p. 399-400. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959449		
				6. Filatov V, Radchenko V. Reengineering relational database on analysis functional dependent attribute. In: Proceedings of the International Conference on Computer Sciences and Information Technologies, CSIT 2015 [Internet]; 20152015. p. 85-7. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2015.7325438		
НДЧ		ФРОЛОВ АНДРІЙ ВІТАЛІЙОВИ Ч	6	1. Slipchenko NI, Pis'menetskii VA, Frolov AV, Yanovskaya NN. Manufacturing regression models of silicon single-crystal photoconverters. Radioelectron Commun Syst [Internet]. 2008;51(11):602-7. Available from: www.scopus.com	1	Hahanov, V. I.; Litvinova, E. I.; Frolov, A.; Yves, Tiecoura; Models for Embedded Repairing Logic Blocks; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013
				2. Hahanov VI, Litvinova EI, Frolov A, Yves T. Models for embedded repairing logic blocks. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS 2013 [Internet]; 20132013 Available from:		

				www.scopus.com DOI: 10.1109/EWDTS.2013.6673158		
				3. Nevludov I, Sotnik S, Frolov A, Demska N. Development of the comprehensive method for quality assessment of plastic parts. East -Eur J Enterp Technol [Internet]. 2017;1(1-85):18-26. Available from: www.scopus.com		
				4. Frolova T, Frolov A. Analysis of a solar simulator based on the electrodeless sulfur lamp for photovoltaic devices. Telecommun Radio Eng [Internet]. 2018;77(6):525-39. Available from: www.scopus.com		
				5. Nevlyudov IS, Pismenetsky VO, Frolov VA, Chala OO, Gerasimenko MV, Kulish SM. Improving the efficiency of silicon solar cells with cylindrical parabolic concentrating collectors. Telecommun Radio Eng [Internet]. 2018;77(2):173-86. Available from: www.scopus.com		
				6. Frolova T, Frolov A. Solar simulator for photovoltaic devices based on the electrodeless sulfur lamp. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018. p. 785-9. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336316		
	Науков о- дослід на частин а	КАТЮШИН ЄВГЕН АНАТОЛІЙОВ ИЧ	6	1. Ryabukha VP, Rachkov DS, Semeniaka AV, Katiushyn IA. Estimation of spatial weight vector fixation interval for sequential space-time signal processing against the background of combined interferences. Radioelectron Commun Syst [Internet]. 2012;55(10):443-51. Available from: www.scopus.com	1	Riabukha, V. P.; Likhovitskiy, D. I.; Semenyaka, A. V.; Katyushin, E. A.; An Exploratory Model of the Hardware-Software Unit for Adaptive Digital Time Signal Processing Against the Background of Masking Clutters; 2017 IEEE FIRST UKRAINE

					CONFERENCE ON ELECTRICAL AND COMPUTER ENGINEERING (UKRCON); 2017
				2. Ryabukha VP, Dokhov AI, Zarytskiy VI, Rachkov DS, Semeniaka AV, Katiushin IA, Zarytskaia VV. Convergence rate of a number of signal processing algorithms in adaptive arrays. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 2013. p. 304-6. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650759	
				3. Riabukha VP, Semeniaka AV, Rachkov DS, Katiushyn YA. Accuracy of target direction finding under action of external noise radiations in bidimensional adaptive arrays. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 2015. Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136814	
				4. Riabukha VP, Semeniaka AV, Rachkov DS, Katiushyn YA. Errors of target direction finding by radars with planar arrays under the influence of external noise radiations. Radioelectron Commun Syst [Internet]. 2016;59(6):244-50. Available from: www.scopus.com	
				5. Riabukha VP, Lekhovyt'skiy DI, Katiushyn YA, Semeniaka AV. Choice of number, structure and placement of compensation modules in the radar with planar PAA. In: 2017 11th International Conference on Antenna Theory and Techniques, ICATT 2017 [Internet]; 2017. p. 197-8. Available from: www.scopus.com DOI: 10.1109/ICATT.2017.7972620	

				6. Riabukha VP, Lekhovitskiy DI, Semenyaka AV, Katyushin EA. An exploratory model of the hardware-software unit for adaptive digital time signal processing against the background of masking clutters. In: 2017 IEEE 1st Ukraine Conference on Electrical and Computer Engineering, UKRCON 2017 - Proceedings [Internet]; 2017. p. 55-8. Available from: www.scopus.com DOI: 10.1109/UKRCON.2017.8100458	
KIY	АПІОТ	ФІЛІППЕНКО ІННА БІКТОРІВНА	6	1. Hahanov V, Filippenko I, Lavrova L. Contemporary RFID systems and identification problems. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 9th International Conference, CADSM 2007 [Internet]; 2007. p. 343-4. Available from: www.scopus.com DOI: 10.1109/CADSM.2007.4297574	Hahanov, Vladimir; Mishchenko, Alexander; Chumachenko, Svetlana; Hussein, Mazen Abdelrahman Abdelaziz; Hahanova, Anastasya; Filippenko, Inna; CyUni Service - Smart Cyber University; PROCEEDINGS OF 2015 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2015
				2. Gharibi W, Hahanov VI, Carlsson A, Hahanova IV, Filippenko IV. Quantum technology for analysis and testing computing systems. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS 2013 [Internet]; 2013. Available from: www.scopus.com DOI: 10.1109/EWDTS.2013.6673085	Filippenko, I. V.; Hahanova, I. V.; Filippenko, I. O.; Maksimov, M.; Chugurov, I.; Models for SoC Infrastructure of Radio Frequency Identification with code-division multiple; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013
				3. Filippenko IV, Hahanova IV, Filippenko IO, Maksimov M, Chugurov I. Models for SoC infrastructure of radio frequency identification with code-division multiple. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS 2013 [Internet]; 2013. Available from: www.scopus.com DOI: 10.1109/EWDTS.2013.6673173	Gharibi, Wajeb; Hahanov, V., I; Carlsson, Anders; Hahanova, I., V; Filippenko, I., V; Quantum Technology for Analysis and Testing Computing Systems; PROCEEDINGS OF IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS 2013); 2013

				4. Hahanov V, Chumachenko S, Hahanova A, Mishchenko A, Hussein MAA, Filippenko I. CyUni service - Smart cyber university. In: Proceedings of 2015 IEEE East-West Design and Test Symposium, EWDTs 2015 [Internet]; 20162016Available from: www.scopus.com DOI: 10.1109/EWDTs.2015.7493103		
				5. Miroschnyk M, Korytchinko T, Demihev O, Krylova V, Karaman D, Filippenko I. Practical methods for de Bruijn sequences generation using non-linear feedback shift registers. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 1157-61.Avaliable from: www.scopus.com DOI: 10.1109/TCSET.2018.8336400		
				6. Miroschnyk M, Poroshyn S, Shkil A, Kulak E, Filippenko I, Kucherenko D, Pakhomov Y, Juliia S, Goga M. Design of Logical Control Units Based on Finite State Machines' Patterns. In: Proceedings of 2018 IEEE East-West Design and Test Symposium, EWDTs 2018 [Internet]; 20182018Available from: www.scopus.com DOI: 10.1109/EWDTs.2018.8524869		
ЕЛБІ	БМІ	НОСОВА ЯНА ВІТАЛІЇВНА	5	1. Avrunin OG, Nosova YV, Shushlyapina NO, Surtel W, Burlibay A, Zhassandykyzy M. Method of expression of certain bacterial microflora mucosa olfactory area. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 20152015Available from: www.scopus.com DOI: 10.1117/12.2229074	3	Avrunin, Oleg G.; Nosova, Yana V.; Paliy, Victor G.; Shushlyapina, Natalia O.; Kalimoldayev, Maksat; Komada, Pawel; Sagymbekova, Azhan; Study of the air flow mode in the nasal cavity during a forced breath; PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH ENERGY PHYSICS EXPERIMENTS 2017; 2017 10445 10.1117/12.2280941

				2. Nosova Y, Shushliapina N, Kostishyn SV, Koval LG, Omiotek Z, Wójcik W, Tuleshova A. The use of statistical characteristics of measured signals to increasing the reliability of the rhinomanometric diagnosis. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 2016;2016 Available from: www.scopus.com DOI: 10.1117/12.2248364		Nosova, Yana; Shushliapina, Natalia; Kostishyn, Sergii V.; Koval, Leonid G.; Omiotek, Zbigniew; Wojcik, Waldemar; Tuleshova, Azhar; The use of statistical characteristics of measured signals to increasing the reliability of the rhinomanometric diagnosis; PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH-ENERGY PHYSICS EXPERIMENTS 2016; 2016 10031 10.1117/12.2248364
				3. Avrunin OG, Nosova YV, Paliy VG, Shushlyapina NO, Kalimoldayev M, Komada P, Sagymbekova A. Study of the air flow mode in the nasal cavity during a forced breath. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 2017;2017 Available from: www.scopus.com DOI: 10.1117/12.2280941		Avrunin, Oleg G.; Nosova, Yana V.; Shushlyapina, Natalia O.; Surtel, Wojciech; Burlibay, Aron; Zhassandykyzy, Maral; Method of expression of certain bacterial microflora mucosa olfactory area; OPTICAL FIBERS AND THEIR APPLICATIONS 2015; 2015 9816 10.1117/12.2229074
				4. Avrunin OG, Nosova YV, Shuhlyapina NO, Zlepko SM, Tymchyk SV, Hotra O, Imanbek B, Kalizhanova A, Mussabekova A. Principles of computer planning in the functional nasal surgery. Prz Elektrotech [Internet]. 2017;93(3):140-3. Available from: www.scopus.com		
				5. Nosova YV, Faruk KI, Avrunin OG. A tool for researching respiratory and olfaction disorders. Telecommun Radio Eng [Internet]. 2018;77(15):1389-95. Available from: www.scopus.com		
ЕЛБІ	БМІ	ТИМКОВИЧ МАКСИМ ЮРІЙОВИЧ	5	1. Avrunin OG, Alkhorayef M, Saied HFI, Tymkovych MY. The surgical navigation system with optical position determination technology and sources of errors. J Med Imaging Health Informatics [Internet]. 2015;5(4):689-96. Available from: www.scopus.com	4	Avrunin, Oleg G.; Tymkovych, Maksym Yu.; Pavlov, Sergii V.; Timchik, Sergii V.; Kisala, Piotr; Orakbaev, Yerbol; Classification of CT-brain slices based on local histograms; OPTICAL FIBERS AND THEIR

					APPLICATIONS 2015; 2015 9816 10.1117/12.2229040
				2. Avrunin OG, Tymkovych MY, Pavlov SV, Timchik SV, Kisała P, Orakbaev Y. Classification of CT-brain slices based on local histograms. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 20152015 Available from: www.scopus.com DOI: 10.1117/12.2229040	Avrunin, O. G.; Alkhorayef, M.; Saied, Husham Farouk Ismail; Tymkovych, M. Y.; The Surgical Navigation System with Optical Position Determination Technology and Sources of Errors; JOURNAL OF MEDICAL IMAGING AND HEALTH INFORMATICS; 2015 5 10.1166/jmihi.2015.1444
				3. Avrunin O, Tymkovych M, Drauil J. Automatized technique for three-dimensional reconstruction of cranial implant based on symmetry. In: 2015 Information Technologies in Innovation Business Conference, ITIB 2015 - Proceedings [Internet]; 20152015. p. 39-42. Available from: www.scopus.com DOI: 10.1109/ITIB.2015.7355070	Tymkovych, Maksym Yu.; Avrunin, Oleg G.; Paliy, Victor G.; Filzow, Maksim; Gryshkov, Oleksandr; Glasmacher, Birgit; Omiotek, Zbigniew; Dzierzak, Roza; Smailova, Saule; Kozbekova, Ainur; Automated method for structural segmentation of nasal airways based on cone beam computed tomography; PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH ENERGY PHYSICS EXPERIMENTS 2017; 2017 10445 10.1117/12.2280922
				4. Avrunin OG, Tymkovych MY, Moskovko SP, Romanyuk SO, Kotyra A, Smailova S. Using a priori data for segmentation anatomical structures of the brain. Prz Elektrotech [Internet]. 2017;93(5):102-5. Available from: www.scopus.com	Avrunin, Oleg; Tymkovych, Maksym; Drauil, Jahed; Automatized Technique for Three-Dimensional Reconstruction of Cranial Implant Based on Symmetry; PROCEEDINGS OF 2015 INFORMATION TECHNOLOGIES IN INNOVATION BUSINESS CONFERENCE (ITIB); 2015

				5. Tymkovych MY, Avrunin OG, Paliy VG, Filzow M, Gryshkov O, Glasmacher B, Omiotek Z, Dzierlak R, Smailova S, Kozbekova A. Automated method for structural segmentation of nasal airways based on cone beam computed tomography. In: Proceedings of SPIE - The International Society for Optical Engineering [Internet]; 2017. Available from: www.scopus.com DOI: 10.1117/12.2280922		
ЕЛБИ	БМІ	БІЛАШ ОЛЕНА МИХАЙЛІВН А	5	1. Zholudov Y, Bilash O, Kukoba A, Rozhitskii M. Electrogenerated chemiluminescence in systems with tetraphenylborate anion as a co-reactant. Analyst [Internet]. 2011;136(3):598-604. Available from: www.scopus.com	11	Zholudov, Yuriy; Bilash, Olena; Kukoba, Anatoliy; Rozhitskii, Mykola; Electrogenerated chemiluminescence in systems with tetraphenylborate anion as a co-reactant; ANALYST; 2011 136 10.1039/c0an00589d
				2. Bilash OM, Zholudov YT, Rozhitskii MM. Electrochemiluminescent detection of labile radical intermediates of electrochemical reactions. J Solid State Electrochem [Internet]. 2011;15(10):2127-31. Available from: www.scopus.com		Muzyka, Kateryna; Bilash, Olena; Zholudov, Yuriy; Kukoba, Anatoly; Rozhitskii, Mykola; Electrochemiluminescent determination of free unconjugated bilirubin in aquatic solution; LUMINESCENCE; 2012 27
				3. Zholudov YT, Bilash OM, Rozhitskii MM. Electrochemiluminescent properties of organic films with incorporated carbon nanotubes. J Nano Electron Phys [Internet]. 2012;4(2):02030,1-02030-4. Available from: www.scopus.com		Bilash, Olena M.; Zholudov, Yuriy T.; Rozhitskii, Mykola M.; Electrochemiluminescent detection of labile radical intermediates of electrochemical reactions; JOURNAL OF SOLID STATE ELECTROCHEMISTRY; 2011 15 10.1007/s10008-011-1482-9
				4. Berezovska IV, Bilash OM, Rozhytskii NN. Chemical traps of singlet oxygen as investigation method of mechanisms of photo-dynamic therapy. J Nano Electron Phys [Internet]. 2013;5(3) Available from: www.scopus.com		Snizhko, D. V.; Zholudov, Yu T.; Bilash, O. M.; Kukoba, A. V.; Rozhitskii, M. M.; Electrochemiluminescence at Nitrogen Doped Diamond-Like Carbon Film Electrodes; RUSSIAN JOURNAL OF ELECTROCHEMISTRY; 2014 50 10.1134/S1023193514020037

				5. Snizhko DV, Zholudov YT, Bilash OM, Kukoba AV, Rozhitskii MM. Electrochemiluminescence at nitrogen doped diamond-like carbon film electrodes. Russ J Electrochem [Internet]. 2014;50(3):260-6. Available from: www.scopus.com	Sushko, Olga A.; Bilash, Olena M.; Rozhitskii, Mykola M.; New nanophotonic detection method of carcinogenic polycyclic aromatic hydrocarbons by the example of benzo[a]pyrene; LUMINESCENCE; 2012 27
					Sushko, Olga A.; Bilash, Olena M.; Rozhitskii, Mykola M.; New nanophotonic detection method of carcinogenic polycyclic aromatic hydrocarbons by the example of benzo[a]pyrene; LUMINESCENCE; 2012 27
					Zholudov, Yuriy T.; Bilash, Olena M.; Kukoba, Anatoly V.; Rozhitskii, Mykola M.; Spectroscopic identification of emitter in electrochemiluminescent reactions with tetraphenylborate anion; LUMINESCENCE; 2012 27
					Bilash, Olena M.; Galaichenko, Olena M.; Rozhitskii, Mykola M.; Markin, Olexandr M.; Nanophotonic method and sensor instrument for tuberculosis diagnostics; LUMINESCENCE; 2010 25
					Zholudov, Y. T.; Bilash, O. M.; Kukoba, A. V.; Rozhitskii, M. M.; Electrochemiluminescence in systems with tetraphenylborate ion as a coreactant; LUMINESCENCE; 2010 25
					Bilash, Olena M.; Snizhko, Dmytro V.; Rozhitskii, Mykola M.; Nanodiamond film electrodes for water assay electrochemiluminescent sensors; LUMINESCENCE; 2010 25

						Bilash, O. M.; Muzyka, K. M.; Zholudov, Y. T.; Rozhitskii, M. M.; Electrochemiluminescent determination of bile pigments at testing of neonatal hyperbilirubinemia; LUMINESCENCE; 2010 25
ITM	BM	СОБА ГАННА ВАСИЛІВНА	5	1. Starostenko VV, Shein AG, Sova AV. Investigation of the influence of transverse components of high-frequency fields on the characteristics of three-dimensional M-type traveling-wave tubes. Izv Vyssh Uchebn Zaved Radioelektron [Internet]. 1973;16(10):139-40. Available from: www.scopus.com		
				2. Shein AG, Sova AV, Starostenko VV. STUDY OF THE EFFECT OF A FINITE ELECTRON BEAM THICKNESS ON THE CHARACTERISTICS OF AN M-TYPE TWT IN MULTIFREQUENCY OPERATION. Radio Eng Electron Phys [Internet]. 1977;22(9):113-8. Available from: www.scopus.com		
				3. Shein AG, Sova AV. EFFECT OF MAGNETIC FIELD ON HARMONIC LEVELS IN M-TYPE BEAM AMPLIFIERS. Radio Eng Electron Phys [Internet]. 1980;25(1):94-100. Available from: www.scopus.com		
				4. Sova AV, Tseytlin MB, Shein AG. GENERATION OF HARMONICS IN A TWTM OPERATING WITH A LOW MAGNETIC FIELD. Radio Eng Electron Phys [Internet]. 1982;27(1):136-9. Available from: www.scopus.com		
				5. Serebryannikov AE, Sova AV. Effect of load on characteristics of a magnetron cavity. In: 3rd International Kharkov Symposium "Physics and Engineering of Millimeter and Submillimeter Waves", MSMW 1998 - Symposium Proceedings [Internet];		

				19981998. p. 212-4. Available from: www.scopus.com DOI: 10.1109/MSMW.1998.758956		
ІК	ІКІ	ДУРАВКІН ЄВГЕН ВОЛОДИМИР ОВИЧ	5	1. Duravkin E. Using SOA for development of information system "smart city". In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 10th International Conference, TCSET'2010 [Internet]; 20102010. p. 258. Available from: www.scopus.com	2	Duravkin, Ievgen; Loktionova, Anastasiya; Carlsson, Anders; Method of Slow-Attack Detection; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
				2. Duravkin EV, Tkacheva EB, Fawaz SH. Method for detecting errors in logic operation of telecommunication protocols. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 265. Available from: www.scopus.com		Tkachova, Olena; Duravkin, Ievgen; Muhi-Aldeen, Hassan Mohamed; An Method of Service Composition with Optimal Resources Allocation in Software-Defined Networking; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
				3. Kovalenko TN, Duravkin EV. Traffic policing in distributed infocommunication systems with service oriented architecture. In: 2013 International Siberian Conference on Control and Communications, SIBCON 2013 - Proceedings [Internet]; 20132013 Available from: www.scopus.com DOI: 10.1109/SIBCON.2013.6693583		
				4. Duravkin I, Loktionova A, Carlsson A. Method of slow-attack detection. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 171-2. Available from: www.scopus.com		

				DOI: 10.1109/INFOCOMMST.2014.6992341		
				5. Tkachova O, Duravkin I, Muhi-Aldeen HM. An method of service composition with optimal resources allocation in software-defined networking. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 2018. p. 425-9. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246431		
KIY	EOM	ВОЛК МАКСИМ ОЛЕКСАНДРО ВИЧ	5	1. Gorbachev VA, Volk MA, Sarancha SN. The techniques for quality certification of microprocessor components. Telecommun Radio Eng [Internet]. 1999;53(12):96-101. Available from: www.scopus.com		
				2. Filimonchuk T, Volk M, Ruban I, Tkachov V. Development of information technology of tasks distribution for GRID-systems using the GRASS simulation environment. East -Eur J Enterp Technol [Internet]. 2016;3(9):45-53. Available from: www.scopus.com		
				3. Ivanisenko I, Volk M. Simulation methods for load balancing in distributed computing. In: Proceedings of 2017 IEEE East-West Design and Test Symposium, EWDTs 2017 [Internet]; 2017. Available from: www.scopus.com DOI: 10.1109/EWDTs.2017.8110078		
				4. Shostak I, Danova M, Romanenkov Y, Bugaienko O, Volk M, Karminska-Bielobrova M. Organization of information support for business processes at aviation enterprises by means of ontological engineering. East -Eur J Enterp Technol [Internet]. 2018;2(2-92):45-55.		

				Available from: www.scopus.com		
				5. Romanenkov Y, Danova M, Kashcheyeva V, Bugaienko O, Volk M, Karminska-Bielobrova M, Lobach O. Complexification methods of interval forecast estimates in the problems on short-term prediction. East -Eur J Enterp Technol [Internet]. 2018;3(3-93):50-8. Available from: www.scopus.com		
КІУ	ЕОМ	ЛЕБЕДЄВ ОЛЕГ ГРИГОРОВИЧ	5	1. Filipenko AI, Nevludov IS, Lebedev OG. Fiber refractive index profile determination from the measured near field intensity. In: Proceedings of LFNМ 2002 - 4th International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20022002. p. 345-8. Available from: www.scopus.com DOI: 10.1109/LFNМ.2002.1014217		
				2. Volkolupov YY, Krasnogolovets MA, Lebedev OG, Ostrizhnoy MA, Chumakov VI. On the determination of time characteristics of radiating antennas. Telecommun Radio Eng [Internet]. 2002;57(8-9):58-62. Available from: www.scopus.com		
				3. Zhirnov VV, Lebedev OG, Sakhnovskaya LZ. Radar clutters from inhomogeneities of the ground level environment. experimental performances and statistical model. Telecommun Radio Eng [Internet]. 2003;59(1-2):69-74. Available from: www.scopus.com		
				4. Volkolupov YY, Krasnogolovets MA, Lebedev OG, Ostrizhnoy MA, Chumakov VI. On the determination of time characteristics of radiating antennas. Telecommun Radio Eng [Internet]. 2003;60(3-4):61-5. Available from: www.scopus.com		

				5. Rudenko O, Bezsonov O, Lebediev O. Adaptive control over nonlinear objects using the robust neural network FCMAC. East -Eur J Enterp Technol [Internet]. 2018;2(4-92):4-14. Available from: www.scopus.com		
KIY	EOM	РУСТИНОВ ВОЛОДИМИР ОЛЕКСІЙОВИ Ч	5	1. Hahanov V, Krivoulya G, Rustinov V, Sisenko I, Egorov A. Fault cubic simulation for digital devices. In: The Experience of Designing and Application of CAD Systems in Microelectronics - Proceedings of the 6th International Conference, CADSM 2001 [Internet]; 20012001. p. 112-5. Available from: www.scopus.com DOI: 10.1109/CADSM.2001.975768	5	Rustinov, Volodymyr; Sorokin, Anton; Selection of Technology for Building an Indoor Localization and Tracking System; PROCEEDINGS OF XIII TH INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015
				2. Rustinov V, Syrevitch Y. Implication of arithmetic operations with multibit operands for verification tests generation. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science. Proceedings of the International Conference TCSET'2004 [Internet]; 20042004. p. 259-62. Available from: www.scopus.com		Rustinov, Volodymyr; Sorokin, Anton; Khamad, Adnan; Darlington, Emmanuel; Combined method for localization of mobile objects; PROCEEDINGS OF 2015 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2015
				3. Hahanov V, Gharibi W, Abramova LS, Chumachenko S, Litvinova E, Hahanova A, Rustinov V, Miz V, Zhalilo A, Ziarmand A. Cyber physical system - smart cloud traffic control. In: Proceedings of IEEE East-West Design and Test Symposium, EWDTS 2014 [Internet]; 20142014 Available from: www.scopus.com DOI: 10.1109/EWDTS.2014.7027107		Hahanov, Vladimir; Gharibi, Wajeb; Abramova, L. S.; Chumachenko, Svetlana; Litvinova, Eugenia; Hahanova, Anna; Rustinov, Vladimir; Miz, Vladimir; Zhalilo, Aleksey; Ziarmand, Artur; Cyber Physical System - Smart Cloud Traffic Control; 2014 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTS); 2014
				4. Rustinov V, Sorokin A. Selection of technology for building an indoor localization and tracking system. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet];		Rustinov, V; Syrevitch, Y; Implication of arithmetic operations with multibit operands for verification tests generation; MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND

				2015. p. 178-81. Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230829		COMPUTER SCIENCE, PROCEEDINGS; 2004
				5. Rustinov V, Khamad A, Sorokin A, Darlington E. Combined method for localization of mobile objects. In: Proceedings of 2015 IEEE East-West Design and Test Symposium, EWDTs 2015 [Internet]; 2016. Available from: www.scopus.com DOI: 10.1109/EWDTs.2015.7493174		Hahanov, V; Krivoulya, G; Rustinov, V; Sisenko, I; Egorov, A; Fault cubic simulation for digital devices; EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS; 2001 10.1109/CADSM.2001.975768
IK	IKI	MEPCHI АМАЛЬ .	5	1. Mersni A, Ilyashenko AE. Complex criterion of load balance optimality for multipath routing in telecommunication networks of nonuniform topology. Telecommun Radio Eng [Internet]. 2017;76(7):579-90. Available from: www.scopus.com	3	Mersni, Amal; Ilyashenko, Andriy; Vavenko, Tetiana; Model of Multicast Routing With Support of Shared Explicit Reservation of Link Resources; 2017 IEEE FIRST UKRAINE CONFERENCE ON ELECTRICAL AND COMPUTER ENGINEERING (UKRCON); 2017
				2. Mersni A, Ilyashenko A, Vavenko T. Complex optimality criterion for load balancing with multipath routing in telecommunications networks of nonuniform topology. In: 2017 14th International Conference The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2017 - Proceedings [Internet]; 2017. p. 100-4. Available from: www.scopus.com DOI: 10.1109/CADSM.2017.7916095		Mersni, Amal; Ilyashenko, Andriy; Ahmed, Ruaa Hameed; Multipath Routing Model of Multicast Flows in Telecommunication Networks; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
				3. Mersni A, Ilyashenko A, Vavenko T. Model of multicast routing with support of shared explicit reservation of link resources. In: 2017 IEEE 1st Ukraine Conference on Electrical and Computer Engineering, UKRCON 2017 - Proceedings [Internet]; 2017. p. 1145-8. Available from: www.scopus.com DOI:		Mersni, Amal; Ilyashenko, Andriy; Vavenko, Tetiana; Complex Optimality Criterion for Load Balancing with Multipath Routing in Telecommunications Networks of Nonuniform Topology; 2017 14TH INTERNATIONAL CONFERENCE: THE EXPERIENCE OF

				10.1109/UKRCON.2017.8100429		DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS (CADSM); 2017
				4. Mersni A, Ilyashenko A, Ahmed RH. Multipath routing model of multicast flows in telecommunication networks. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 2018. p. 372-5. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246419		
				5. Mersni A, Ilyashenko A, Vavenko T. Two-level method of multipath routing for multicast flows in telecommunication networks. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 2018. p. 1019-23. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336367		
ITM	ІНФ	ВЕЧІРСЬКА ІРИНА ДМИТРІВНА	5	1. Chetverikov GG, Vechirska ID, Tanyanskiy SS. The methods of algebra of finite predicates in the intellectual system of complex calculations of telecommunication companies. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2014. p. 346-7. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959425	4	Chetverikov, Grygoryy; Puzik, Oleksiy; Vechirska, Iryna; Multiple-valued structures of intellectual systems; 2016 XITH INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCE COMPUTER SCIENCES AND INFORMATION TECHNOLOGIES (CSIT); 2016

			<p>2. Chetverikov GG, Vechirska ID, Leshchinsky VA. Mathematical modelling and design of multiple-valued logic elements of digital telecommunications networks. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2014. p. 354-5. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959429</p>	<p>Chetverikov, G. G.; Vechirska, I. D.; Tanyanskiy, S. S.; THE METHODS OF ALGEBRA OF FINITE PREDICATES IN THE INTELLECTUAL SYSTEM OF COMPLEX CALCULATIONS OF TELECOMMUNICATION COMPANIES; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014</p>
			<p>3. Tanyanskiy SS, Chetverikov GG, Vechirska ID. Structural data on distributed transaction with direct access to telecommunication servers. In: CriMiCo 2014 - 2014 24th International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2014. p. 397-8. Available from: www.scopus.com DOI: 10.1109/CRMICO.2014.6959448</p>	<p>Chetverikov, G. G.; Vechirska, I. D.; Leshchinsky, V. A.; MATHEMATICAL MODELLING AND DESIGN OF MULTIPLE-VALUED LOGIC ELEMENTS OF DIGITAL TELECOMMUNICATIONS NETWORKS; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014</p>
			<p>4. Gorokhovatskyi VA, Vechirska ID, Chetverikov GG. Method for building of logical data transform in the problem of establishing links between the objects in intellectual telecommunication systems. Telecommun Radio Eng [Internet]. 2016;75(18):1645-55. Available from: www.scopus.com</p>	<p>Tanyanskiy, S. S.; Chetverikov, G. G.; Vechirska, I. D.; STRUCTURAL DATA ON DISTRIBUTED TRANSACTION WITH DIRECT ACCESS TO TELECOMMUNICATION SERVERS; 2014 24TH INTERNATIONAL CRIMEAN CONFERENCE MICROWAVE & TELECOMMUNICATION TECHNOLOGY (CRIMICO); 2014</p>
			<p>5. Chetverikov G, Puzik O, Vechirska I. Multiple-valued structures of intellectual systems. In: Computer Sciences and Information Technologies - Proceedings of the 11th International Scientific and Technical</p>	

				Conference, CSIT 2016 [Internet]; 20162016. p. 204-7. Available from: www.scopus.com DOI: 10.1109/STC-CSIT.2016.7589907		
ІТМ	ІНФ	КОБИЛІН ОЛЕГ АНАТОЛІЙОВ ИЧ	5	1. Gorokhovatsky VA, Kobylin OA, Kulikov YA. Application of granulation of feature descriptions in structural image recognition. Telecommun Radio Eng [Internet]. 2015;74(6):503-14. Available from: www.scopus.com	2	Lyashenko, Vyacheslav V.; Babker, Asaad Mohammed Ahmed Abdallah; Kobylin, Oleg A.; The methodology of wavelet analysis as a tool for cytology preparations image processing; CUKUROVA MEDICAL JOURNAL; 2016 41 10.17826/cukmedj.237468
				2. Bodyanskiy Y, Vynokurova O, Szymanski Z, Kobylin I, Kobylin O. Adaptive robust models for identification of nonstationary systems in data stream mining tasks. In: Proceedings of the 2016 IEEE 1st International Conference on Data Stream Mining and Processing, DSMP 2016 [Internet]; 20162016. p. 263-8. Available from: www.scopus.com DOI: 10.1109/DSMP.2016.7583556		Bodyanskiy, Yevgeniy; Vynokurova, Olena; Szymanski, Zdzislaw; Kobylin, Ilya; Kobylin, Oleg; Adaptive Robust Models for Identification of Nonstationary Systems in Data Stream Mining Tasks; PROCEEDINGS OF THE 2016 IEEE FIRST INTERNATIONAL CONFERENCE ON DATA STREAM MINING & PROCESSING (DSMP); 2016
				3. Oleg K, Sergii M, Mykhailo S. Video clustering via multidimensional time-series analysis. In: ACM International Conference Proceeding Series [Internet]; 20172017. p. 60-3. Available from: www.scopus.com DOI: 10.1145/3149572.3149599		
				4. Lyashenko V, Ahmad MA, Kobylin O, Khan A. Study of composite materials for the engineering using wavelet analysis and image processing technology. Int J Mech Prod Eng Res Dev [Internet]. 2017;7(6):445-52. Available from: www.scopus.com		

				5. Rabotiahov A, Kobylin O, Dudar Z, Lyashenko V. Bionic image segmentation of cytology samples method. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 665-70. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336289		
ITM	ІНФ	КУЗЬОМІН ОЛЕКСАНДР ЯКОВИЧ	5	1. Kuzemin AY, Minajlo ND, Safonov IM, Shulika AV. Using Java in ingeneering and scientific computations and in designing systems. In: Proceedings of LFNМ 2003 - 5th International Workshop on Laser and Fiber-Optical Networks Modeling [Internet]; 20032003. p. 93-4. Available from: www.scopus.com DOI: 10.1109/LFNМ.2003.1246085	1	Shtukin, Mikhail; Paleha, Andrey; Kuzomin, Olexandr; PROVISION ACCEPTANCE SOLUTIONS TO PREVENT AND MANAGEMENT IN EMERGENCY SITUATIONS; INFORMATICS, GEOINFORMATICS AND REMOTE SENSING CONFERENCE PROCEEDINGS, SGEM 2016, VOL I; 2016
				2. Vasylenko O, Kuzomin O. Data Loss minimization in Situation's centrums data bases. In: Proceedings of the 5th International Disaster and Risk Conference: Integrative Risk Management - The Role of Science, Technology and Practice, IDRC Davos 2014 [Internet]; 20142014. p. 403-6. Available from: www.scopus.com		
				3. Kuzomin O, Ahmad MA, Kots H, Lyashenko V, Tkachenko M. Preventing of technogenic risks in the functioning of an industrial enterprise. Int J Civ Eng Technol [Internet]. 2016;7(3):262-70. Available from: www.scopus.com		
				4. Kuzomin O, Vasylenko O. Methods and models for building a distributed mobile emergency monitoring system. In: International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM [Internet]; 20172017. p. 433-40. Available from: www.scopus.com DOI:		

				10.5593/sgem2017/21/S07.055		
				5. Kuzomin O, Stukin M, Bozhkov D. Intelligent geoinformatic expert system for providing emergency help during extreme situations. In: International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM [Internet]; 2018. p. 269-76. Available from: www.scopus.com DOI: 10.5593/sgem2018/2.2/S08.034		
КН	ІУС	ЄВЛАНОВ МАКСИМ ВІКТОРОВИЧ	5	1. Ievlanov M. Methods of presenting formulated requirements to the information system at the level of knowledge. East -Eur J Enterp Technol [Internet]. 2015;4(3):4-11. Available from: www.scopus.com		
				2. Evlanov M. Development of the model and method of selecting the description of rational architecture of information system. East -Eur J Enterp Technol [Internet]. 2016;1(2):4-12. Available from: www.scopus.com		
				3. Levykin V, Ievlanov M, Neumyvakina O. Developing the models of patterns in the design of requirements to an information system at the knowledge level. East -Eur J Enterp Technol [Internet]. 2017;5(2-89):19-26. Available from: www.scopus.com		
				4. Ievlanov M, Vasilcova N, Panforova I. Development of methods for the analysis of functional requirements to an information system for consistency and illogicality. East -Eur J Enterp Technol [Internet]. 2018;1(2-91):4-11. Available from: www.scopus.com		

				5. Muhamed SQ, Mohammed MQ, Evlanov M, Kliuchko H. The adaline neuron modification for solving the problem on searching for the reusable functions of the information system. East -Eur J Enterp Technol [Internet]. 2018;3(2-93):25-32. Available from: www.scopus.com		
IK	IMI	АСТРАХАНЦЕ В АНДРІЙ АНАТОЛІЙОВ ИЧ	5	1. Astrakhantsev A, Doroghan O, Poponin O, Shostak N. Studying of stability of the information hiding methods in still images. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 20122012. p. 409. Available from: www.scopus.com	3	Shostak, N., V; Bezruk, V. M.; Astrakhantsev, A. A.; SELECTING THE PREFERRED ALGORITHM FOR THE EMBEDDING OF DIGITAL WATERMARKS INTO VIDEOFILES; RADIO ELECTRONICS COMPUTER SCIENCE CONTROL; 2018 10.15588/1607-3274-2018-3-18
				2. Vovk OO, Astrakhantsev AA. Determination of level of steadiness against data encapsulation steganographic methods attacks. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 446-7. Available from: www.scopus.com		Vovk, Olesia; Astrakhantsev, Andii; New Steganographic Method: Development and Comparison with the Most Relevant; 2015 SECOND INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T 2015); 2015
				3. Vovk O, Astrakhantsev A. The concept of steganographic algorithm which has high performance of characteristics defined as significant. In: 2014 1st International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2014 - Conference Proceedings [Internet]; 20142014. p. 177-9. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2014.6992343		Vovk, Olesia; Astrakhantsev, Andrii; The Concept of Steganographic Algorithm which has High Performance of Characteristics Defined as Significant; 2014 FIRST INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2014
				4. Vovk O, Astrakhantsev A. New steganographic method: Development and comparison with the most relevant. In: 2015 2nd International Scientific-Practical Conference Problems of Infocommunications Science		

				and Technology, PIC S and T 2015 - Conference Proceedings [Internet]; 20152015. p. 237-40. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2015.7357323		
				5. Liashenko G, Astrakhantsev A, Chernikova V. Network steganography application for remote biometric user authentication. In: Proceedings of 2018 IEEE 9th International Conference on Dependable Systems, Services and Technologies, DESSERT 2018 [Internet]; 20182018. p. 326-30. Available from: www.scopus.com DOI: 10.1109/DESSERT.2018.8409153		
ІК	ІМІ	ТВЕРДОХЛІБ ВІТАЛІЙ ВІКТОРОВИЧ	5	1. Barannik V, Dvuhglavov D, Tverdokhle V, Krasnorutskiy A. Controlling of video stream bit rate using the dynamic programming method. In: Proceedings of 13th International Conference: The Experience of Designing and Application of CAD Systems in Microelectronics, CADSM 2015 [Internet]; 20152015. p. 15-7. Available from: www.scopus.com DOI: 10.1109/CADSM.2015.7230783	5	Barannik, V. V.; Kharchenko, N.; Tverdokhle V, V. V.; Kulitsa, Oleg; The Issue of Timely Delivery of Video Traffic With Controlled Loss of Quality; 2016 13TH INTERNATIONAL CONFERENCE ON MODERN PROBLEMS OF RADIO ENGINEERING, TELECOMMUNICATIONS AND COMPUTER SCIENCE (TCSET); 2016
				2. Barannik VV, Kharchenko N, Tverdokhle VV, Kulitsa O. The issue of timely delivery of video traffic with controlled loss of quality. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science, Proceedings of the 13th International Conference on TCSET 2016 [Internet]; 20162016. p. 902-4. Available from: www.scopus.com DOI: 10.1109/TCSET.2016.7452220		Barannik, V. V.; Ryabukha, Yu. N.; Tverdokhle V, V. V.; Barannik, D. V.; Methodological Basis for Constructing a Method for Compressing of Transformants Bit Representation, Based on Non-Equilibrium Positional Encoding; 2017 2ND IEEE INTERNATIONAL CONFERENCE ON ADVANCED INFORMATION AND COMMUNICATION TECHNOLOGIES-2017 (AICT 2017); 2017

			<p>3. Kulitsa O, Okladnoy D, Tverdokhle V, Hahanova A. The development method for evaluating the saturation of video frame blocks to reduce the processing time of the video stream. In: Proceedings of 2016 IEEE East-West Design and Test Symposium, EWDTs 2016 [Internet]; 2017. Available from: www.scopus.com DOI: 10.1109/EWDTs.2016.7807753</p>	<p>Barannik, V.; Dvuhglavov, D.; Tverdokhle, Vitaly; Krasnorutskiy, A.; Controlling of Video Stream Bit Rate Using the Dynamic Programming Method; PROCEEDINGS OF XIII INTERNATIONAL CONFERENCE - EXPERIENCE OF DESIGNING AND APPLICATION OF CAD SYSTEMS IN MICROELECTRONICS CADSM 2015; 2015</p>
			<p>4. Barannik VV, Ryabukha YN, Tverdokhle VV, Barannik DV. Methodological basis for constructing a method for compressing of transformants bit representation, based on non-equilibrium positional encoding. In: 2nd International Conference on Advanced Information and Communication Technologies, AICT 2017 - Proceedings [Internet]; 2017. p. 188-92. Available from: www.scopus.com DOI: 10.1109/AICT.2017.8020096</p>	<p>Barannik, Vladimir V.; Karpinski, Mikolaj P.; Tverdokhle, Vitaly V.; Barannik, Dmitry V.; Himenko, Viktoria V.; Aleksander, Marek; The technology of the video stream intensity controlling based on the bit-planes recombination; PROCEEDINGS OF THE 2018 IEEE 4TH INTERNATIONAL SYMPOSIUM ON WIRELESS SYSTEMS WITHIN THE INTERNATIONAL CONFERENCES ON INTELLIGENT DATA ACQUISITION AND ADVANCED COMPUTING SYSTEMS (IDAACS-SWS); 2018</p>
			<p>5. Barannik VV, Karpinski MP, Tverdokhle VV, Barannik DV, Himenko VV, Aleksander M. The technology of the video stream intensity controlling based on the bit-planes recombination. In: Proceedings of the 2018 IEEE 4th International Symposium on Wireless Systems within the International Conferences on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS-SWS 2018 [Internet]; 2018. p. 25-8. Available from: www.scopus.com DOI: 10.1109/IDAACS-SWS.2018.8525560</p>	<p>Kulitsa, Oleg; Okladnoy, Dmitry; Tverdokhle, Vitaly; Hahanova, Anna; The Development Method for Evaluating the Saturation of Video Frame Blocks to Reduce the Processing Time of the Video Stream; PROCEEDINGS OF 2016 IEEE EAST-WEST DESIGN & TEST SYMPOSIUM (EWDTs); 2016</p>

АКТ	КІТАМ	МАЛІК БОРИС ОЛЕКСІЙОВИ Ч	5	1. Filipenko AI, Malik BA. Precision control of the components of the fiber-optic data transmission system. Telecommun Radio Eng [Internet]. 1997;51(4):29-31. Available from: www.scopus.com	4	Malyk, B. O.; Tokarieva, O. V.; Malyk-Zamorii, S. B.; OPTICAL FIBER STRUCTURES PERFORMANCE ENHANCEMENT UNDER THE CONDITIONS OF IONIZING RADIATION HIGH POWER LEVELS; PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY; 2018
				2. Malyk B, Malyk-Zamorii S. Optical field distribution for fibers with diverse index profile under transverse illumination. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 2017. p. 117-8. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905353		Malyk, Borys; Malyk-Zamorii, Svitlana; Matching Elements Development Method Investigation for Electromagnetic Field Parameters Conversion under Emission Launching into Optical Fibers of Different Types; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
				3. Malyk BO, Tokarieva OV, Malyk-Zamorii SB. Optical fiber structures performance enhancement under the conditions of ionizing radiation high power levels. Probl Atomic Sci Technol [Internet]. 2018;114(2):13-8. Available from: www.scopus.com		Malyk, Borys; Malyk-Zamorii, Svitlana; Thermography Testing of Telecommunication Facilities Temperature Conditions; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
				4. Malyk B, Malyk-Zamorii S. Thermography testing of telecommunication facilities temperature conditions. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 2018. p. 482-4. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246443		Malyk, Borys; Malyk-Zamorii, Svitlana; Optical Field Distribution for Fibers with Diverse Index Profile under Transverse Illumination; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T);

						2016
				5. Malyk B, Malyk-Zamorii S. Matching elements development method investigation for electromagnetic field parameters conversion under emission launching into optical fibers of different types. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 2018. p. 292-4. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246400		
ОПТ	КРИСТ ЗІ	ВИШНЯКОВА ЮЛІЯ ВАЛЕНТИНІВ НА	5	1. Luchaninov AI, Gavva DS, Krykun EV, Vishniakova JV. Modeling of nonlinear effects in HTSC filters. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science - Proceedings of the 11th International Conference, TCSET'2012 [Internet]; 2012. p. 176-7. Available from: www.scopus.com		
				2. Vishniakova JV, Luchaninov AI. Reconfigurable antenna design algorithm. In: CriMiCo 2012 - 2012 22nd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 2012. p. 491-2. Available from: www.scopus.com		
				3. Vishniakova JV, Luchaninov AI. Application of antenna theory with nonlinear elements for MIMO analysis. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 2013. p. 166-8. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650713		

				4. Vishniakova JV, Luchaninov AI. Mathematical model of MIMO system with nonlinear effects. In: CriMiCo 2013 - 2013 23rd International Crimean Conference Microwave and Telecommunication Technology, Conference Proceedings [Internet]; 20132013. p. 967-8.Available from: www.scopus.com		
				5. Gretskih DV, Luchaninov AI, Vishniakova JV, Katrich VA, Nesterenko MV. Electrodynamic Model of a Wireless Power Transmission System. In: Proceedings of International Seminar/Workshop on Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory, DIPED [Internet]; 20182018. p. 80-5.Available from: www.scopus.com DOI: 10.1109/DIPED.2018.8543290		
ОПТ	КРІСТ ЗІ	ГОРЕЛОВ ДЕНИС ЮРІЙОВИЧ	5	1. Gorelov DY, Voloshchuk YI. Exploration into the physical factor of meteor detectibility. Telecommun Radio Eng [Internet]. 2006;65(3):281-91. Available from: www.scopus.com	1	Vasyl, Alieksieiev; Sharapova, Elena; Ivanova, Olena; Denis, Gorelov; Yuliia, Synytsia; Web-Based Application to Collect and Analyze Users Data for Keystroke Biometric Authentication; 2017 IEEE FIRST UKRAINE CONFERENCE ON ELECTRICAL AND COMPUTER ENGINEERING (UKRCON); 2017
				2. Vasyl A, Sharapova E, Ivanova O, Denis G, Yuliia S. Web-based application to collect and analyze users data for keystroke biometric authentication. In: 2017 IEEE 1st Ukraine Conference on Electrical and Computer Engineering, UKRCON 2017 - Proceedings [Internet]; 20172017. p. 917-22.Available from: www.scopus.com DOI: 10.1109/UKRCON.2017.8100382		

				3. Glushchenko AA, Medvedev EA, Gorelov DY. On the asteroid-comet danger. Telecommun Radio Eng [Internet]. 2018;77(5):451-60. Available from: www.scopus.com		
				4. Gavva DS, Strelnitskiy AA, Gretskih DV, Gorelov DY, Medvedev EA. Impact of non-linear switch characteristics on the reconfigured antenna properties. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 591-6. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336272		
				5. Aliksieiev V, Strelnitskiy A, Gavva D, Gorelov D, Synytsia Y. Studying of keystroke dynamics statistical properties for biometrie user authentication. In: 14th International Conference on Advanced Trends in Radioelectronics, Telecommunications and Computer Engineering, TCSET 2018 - Proceedings [Internet]; 20182018. p. 559-63. Available from: www.scopus.com DOI: 10.1109/TCSET.2018.8336264		
ОПТ	КРІСТ ЗІ	ЛИХОГРАЙ ВАСИЛЬ ГРИГОРОВИЧ	5	1. Dolzhikov VV, Likhograi VG. Optimizing power transmission by a microwave beam in the presence of random errors of the transmit antenna excitation. Telecommun Radio Eng [Internet]. 1997;51(4):46-52. Available from: www.scopus.com	2	Lyhograi, V.; Strelnitskiy, A.; Shokalo, V.; The experimental definition of spectral efficiency for office SRAS; 2005 15th International Crimean Conference Microwave & Telecommunication Technology, Vols 1 and 2, Conference Proceedings; 2005
				2. Lyhograi V, Strelnitskiy A, Shokalo V. The experimental definition of spectral efficiency for office SRAS. In: 2005 15th International Crimean Conference Microwave and Telecommunication Technology, CriMiCo'2005 - Conference Proceedings [Internet]; 20052005. p. 761-2. Available from: www.scopus.com		Shokalo, VM; Lyhograi, VG; Strelnitskiy, AY; Experimental investigations of antennas for the LAN Radioethernet; 5th International Conference on Antenna Theory and Techniques, Proceedings; 2005 10.1109/ICATT.2005.1496967

				DOI: 10.1109/CRMICO.2005.1565127		
				3. Shokalo VM, Lyhograi VG, Strelnitskiy AY. Experimental investigations of antennas for the lan radioethernet. In: 5th International Conference on Antenna Theory and Techniques, 2005 [Internet]; 20052005. p. 317-8. Available from: www.scopus.com DOI: 10.1109/ICATT.2005.1496967		
				4. Shokalo VM, Luchaninov AI, Gawa DS, Gretskih DV, Lihograj VG, Strelnytskyi AE, Sukhomlinov DV, Strelnytskyi AA, Babanskaya EV, Krikun EV. New research results of nonlinear effects and spectral efficiency in the radio channels of the modern communication systems. In: Modern Problems of Radio Engineering, Telecommunications and Computer Science Proceedings of International Conference, TCSET 2006 [Internet]; 20062006. p. 510-1. Available from: www.scopus.com DOI: 10.1109/TCSET.2006.4404610		
				5. Lykhograi VG, Shcherbina AA, Vovchenko VS, Nasif NT. Effect of antenna mutual coupling on MIMO channel capacity. In: 2013 9th International Conference on Antenna Theory and Techniques, ICATT 2013 [Internet]; 20132013. p. 178-80. Available from: www.scopus.com DOI: 10.1109/ICATT.2013.6650717		
ІПТЗІ	МІРЕС	ТОЛСТИХ ЄЛИЗАВЕТА ГЕННАДІЇВН А	5	1. Kartashov VM, Kulia DM, Kushnir MV, Tolstyh EG. Selection of the model for varying speed of sound for the optimal linear filter of atmosphere radio acoustic sounding systems. Telecommun Radio Eng [Internet]. 2014;73(9):803-12. Available from: www.scopus.com	1	Babkin, S. I.; Tolstykh, Y. G.; ANTENNA DEVICE FOR RADIO ACOUSTIC SENSING WITH PASSIVE RADIOLOCATION; 2015 INTERNATIONAL CONFERENCE ON ANTENNA THEORY AND TECHNIQUES

						(ICATT); 2015
				2. Babkin SI, Tolstykh YG. Antenna device for radio acoustic sensing with passive radiolocation. In: 2015 International Conference on Antenna Theory and Techniques: Dedicated to 95 Year Jubilee of Prof. Yakov S. Shifrin, ICATT 2015 - Proceedings [Internet]; 2015 Available from: www.scopus.com DOI: 10.1109/ICATT.2015.7136845		
				3. Kartashov VM, Babkin SI, Tolstykh YG, Lepeha NG. Systematic errors in measurement of meteorological variables in correlation processing of signal of radio acoustic sounding systems. Telecommun Radio Eng [Internet]. 2016;75(9):835-43. Available from: www.scopus.com		
				4. Kartashov VM, Babkin SI, Tolstykh EG. Methodical errors in meteorological measurements during correlation processing of signals from radio acoustic sounding systems. Telecommun Radio Eng [Internet]. 2017;76(20):1861-7. Available from: www.scopus.com		
				5. Kartashov VM, Babkin SI, Tolstykh EG. Experimental estimation of efficiency of distributed acoustic radiator application in the system of radio acoustic sensing of the atmosphere. Telecommun Radio Eng [Internet]. 2018;77(18):1667-73. Available from: www.scopus.com		
АКТ	ФІЗ	МАЛІК-ЗАМОРИЙ СВІТЛАНА БОРИСІВНА	5	1. Storozhenko VA, Meshkov SN, Malik SB. Experience of work of research & technical centre "thermocontrol" in the area of thermal non-destructive test and thermography. In: OPT 2007 - International	4	Malyk, B. O.; Tokarieva, O. V.; Malyk-Zamorii, S. B.; OPTICAL FIBER STRUCTURES PERFORMANCE ENHANCEMENT UNDER THE

			Workshop Optoelectronic Physics and Technology [Internet]; 20072007. p. 68-9. Available from: www.scopus.com DOI: 10.1109/OPT.2007.4298544	CONDITIONS OF IONIZING RADIATION HIGH POWER LEVELS; PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY; 2018
			2. Malyk B, Malyk-Zamorii S. Optical field distribution for fibers with diverse index profile under transverse illumination. In: 2016 3rd International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2016 - Proceedings [Internet]; 20172017. p. 117-8. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2016.7905353	Malyk, Borys; Malyk-Zamorii, Svitlana; Matching Elements Development Method Investigation for Electromagnetic Field Parameters Conversion under Emission Launching into Optical Fibers of Different Types; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
			3. Malyk BO, Tokarieva OV, Malyk-Zamorii SB. Optical fiber structures performance enhancement under the conditions of ionizing radiation high power levels. Probl Atomic Sci Technol [Internet]. 2018;114(2):13-8. Available from: www.scopus.com	Malyk, Borys; Malyk-Zamorii, Svitlana; Thermography Testing of Telecommunication Facilities Temperature Conditions; 2017 4TH INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS-SCIENCE AND TECHNOLOGY (PIC S&T); 2017
			4. Malyk B, Malyk-Zamorii S. Thermography testing of telecommunication facilities temperature conditions. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 482-4. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246443	Malyk, Borys; Malyk-Zamorii, Svitlana; Optical Field Distribution for Fibers with Diverse Index Profile under Transverse Illumination; 2016 THIRD INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE PROBLEMS OF INFOCOMMUNICATIONS SCIENCE AND TECHNOLOGY (PIC S&T); 2016

				5. Malyk B, Malyk-Zamorii S. Matching elements development method investigation for electromagnetic field parameters conversion under emission launching into optical fibers of different types. In: 2017 4th International Scientific-Practical Conference Problems of Infocommunications Science and Technology, PIC S and T 2017 - Proceedings [Internet]; 20182018. p. 292-4. Available from: www.scopus.com DOI: 10.1109/INFOCOMMST.2017.8246400		
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