

LISTA DE LUCRĂRI

Dr. Ing. Ionescu Octavian Narcis

A. Teza de doctorat

SISTEM INTERACTIV DE PROCESARE A IMAGINILOR PENTRU URMĂRIREA AUTOMATĂ A PROCESULUI DE SUDARE, Teza de doctorat, Universitatea Petrol-Gaze din Ploiești, Ploiești, August 2005, 203 pagini
Conducător științific: Prof. dr. ing. Dumitrecu Ioan

B. Cărți și capitole de cărți

B.1. Cărți publicate

B.1.1 Paraschiv N, Ionescu, O. TRANSMISIA ȘI PRELUCREAREA DATELOR ÎN SISTEMELE AUTOMATE, Editura Universității Petrol – Gaze din Ploiești, Ploiesti, 2025 ISBN 978-973-719-853-2

B.1.2 Ionescu Octavian, Microcontrolere. Îndrumar de lucrări practice, Editura Universității Petrol – Gaze din Ploiești, Ploiesti 2020; ISBN 978-973-719-790-0;

B1.3. Ionescu Octavian, Producția de energie electrică din resurse regenerabile – biogaz
Editura Universității Petrol – Gaze din Ploiești, Ploiesti; 2022, ISBN 978-973-719-853-2;

B.1.4. Ionescu Octavian (coordonator), Cristian Bucur, Ioan Savulescu, Gheorghe Cremenescu, Manual pentru formare electronisti, Editura Universității Petrol – Gaze din Ploiești, 2012, ISBN 978-973-719-413-8,

B.1.5 Ionescu Octavian (coordonator), Gheorghe Cremenescu, Octavian Dinu, Dragomir Orhei, Alexandru Savulescu, Ioan Savulescu, Electronica analogica- indrumar de lucrari practice, Ed. Universității Petrol-Gaze din Ploiești, 2012, ISBN 978-973-719-486-6

B.1.6 Ioan Dumitrescu, Gheorghe Cremenescu, Cristian Bucur, Ioan Savulescu, Cornel Ianache, Dragomir Orhei, Octavian Dinu, Liana Georgescu, Bogdan Mirodotesu, Ionescu Octavian, Augustina Teodoroiu, Masurari Electronice, Editura AGIR, Bucuresti, 2001, ISBN 973-8130-48-4,

B.2. Capitole de carte publicate

B.2.1. Ionescu Octavian., Dumitru V., Pricop E., Pircalabu S.- Innovative Hardware-Based Cybersecurity Solutions, capitol publicat în *Recent Developments on Industrial Control Systems Resilience*, Seria Studies in Systems, Decision and Control, vol 255, 2020, pag. 283-299, Editura Springer Nature Switzerland AG, Cham, Switzerland, ISBN: 978-3-030-31327-2, , DOI:https://doi.org/10.1007/978-3-030-31328-9_12

B.2.2. Lucrari carti articole brevete\Carti\B.2.2. Chapter-6-TN Quantum dots One Press - .pdf

B.2.3. United Nations. Monitoring, Verification and Inspection Commission Compendium of Iraq's Proscribed Weapons Programmes in the Chemical, Biological and Missile Areas United Nations, 2007 Chapter IV Missile programme
<https://web.archive.org/web/20130318084012/http://www.un.org/depts/unmovic/new/pages/compendium.asp>
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C. Articole publicate în reviste din fluxul științific internațional principal

C.1 Articole publicate în reviste indexate Clarivate Analytics - Web of Science (SCIE - ISI)

C.1.1. Suchea, MP; Tudose, IV; Romanitan, C ; Pachiu, C; Popescu, M; Mouratis, K ; Manica, M; Antohe, S ; Couris, S ; Zisopol, DG, **Ionescu, ON** ; Koudoumas, E Study of evolution for 3D structured surface with nano-balls and walls-like features with thickness variation for WO₃ thin films made by spray deposition, SCIENTIFIC REPORTS Volume15 Issue1
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C.1.2. Paun, C; Gavrilă, DE ; Pinteă, J; Manescu, V ; Stoica, V; Paltanea, ; Vulpe, S; Romanitan, C; Tucureanu, V; **Ionescu, O**; Mihalache, I; Brîncoveanu, O; Pistritu, F. Electrical behavior of epoxy resin subjected to thermal treatment by temperature variation, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE Volume86Issue1Page199-212
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C.1.3. Pistritu, F ; Gheorghe,; Ion, M; Brîncoveanu, O; Romanitan, C; Suchea, MP ; Schiopu, P; Ionescu, ON . On the Development of a New Flexible Pressure Sensor, Published: 29 June 2024 Micromachines 2024, 15(7), 847 eISSN2072-666X;
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- C.1.4.** O N Ionescu; E Franti; V Carbanaru; C Moldovan; S Dinulescu; M Ion; D C Dragomir; C M Mihailescu; I Lascar; A M Oproiu; T P Neagu; R Costea; M Dascalu; M D Teleanu; G Ionescu; R Teleanu, System of Implantable Electrodes for Neural Signal Acquisition and Stimulation for Wirelessly Connected Forearm Prosthesis, **Biosensors** 2024, Volume 14, Issue 1, 31.
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- C.1.6.** Tudose, I., Mouratis, K., **Ionescu, O.**, Romanitan, C., Pachiu, C., Tutunaru O, Sucheaa, M., Koudoumas, E, Comparative Study of Graphene Nanoplatelets and Multiwall Carbon Nanotubes-Polypropylene Composite Materials for Electromagnetic Shielding Nanomaterials 2022, 12(14), 2411;
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- C.1.7.** Tudose, I., Mouratis, K., **Ionescu, O.**, Romanitan, C., Pachiu, C., Picop E, M., Khomenko, V., Butenko, O., Chernysh, O., Kenanakis, G., Barsukov, V., Sucheaa, M., Koudoumas, E, Carbon Allotropes-Based Paints and Their Composite Coatings for Electromagnetic Shielding Applications, Nanomaterials 2022, 12(11), 1839;
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- C.1.9.** Moldovan C.,Ion. M, Blystad, L., Ohlckers, P., Marchetti, L., Franti, E., Dascalu, M., Dobrescu, D., Dobrescu, L., Niculae, C., Dragomir, D., Hønsvall, B., Opris, C., Imenes, K., Ion, A., Pascalau, A., Firtat, B., Ristoiu, V., Gheorghe, R., Barbilian, A., **Ionescu, O**, Oproiu, M. Remote Sensing System for Motor Nerve Impulse April 2022 Sensors 22(8):2823
 DOI: 10.3390/s22082823 LicenseCC BY 4.0,
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- C.1.10.** Gratiela GradisteanuPircalabioru, Florina Silvia Iliescu, Grigore Mihaescu, Alina Irina Cucu, **Octavian Narcis Ionescu**, Melania Popescu, Monica Simion, Liliana Burlibasa, Mihaela Tica, Mariana Carmen Chifiriuc, Ciprian Iliescu. „Advances in the rapid diagnostic of viral respiratory tract infections” in *Frontiers in Cellular and Infection Microbiology*, section Clinical Microbiology, Edited by: Luc Bissonnett *Front Cell Infect Microbiol.* 2022 Feb 10;12:807253. eCollection 2022, DOI: 10.3389/fcimb.2022.807253, <https://pubmed.ncbi.nlm.nih.gov/35252028> WOS:00076690960000
- C.1.11.** Ioan Valentin Tudose, Kyriakos Mouratis, **Octavian Narcis Ionescu**, Cosmin Romanitan, Cristina Pachi, Marian Popescu, Volodymyr Khomenko, Oksana Butenko, Oksana Chernysh, George Kenanakis, Viacheslav Z. Barsukov, Mirela PetrutaSuchea, Emmanouel Koudoumas., „Novel Water-Based Paints for Composite Materials Used in Electromagnetic Shielding Applications. *Nanomaterials*, 2022, nr 12, 487. ISSN 2079-4991, <https://doi.org/10.3390/nano12030487>, *Nanomaterials* | Free Full-Text | Novel Water-Based Paints for Composite Materials Used in Electromagnetic Shielding Applications (mdpi.com) WOS:000755284900001
- C.1.12.** **Ionescu Octavian**, Cernica, I, Manea, E, Parvulescu, C, Istrate, A, Ionescu, G, Suchea, MP, Integration of Micro-Structured Photovoltaic Cells into the Ultra-Light Wing Structure for Extended Range Unmanned Aerial Vehicles, *APPLIED SCIENCES-BASEL*, Volume11, Issue22, Article Number10890, DOI10.3390/app112210890, Published NOV 2021, Indexed2021-12-05, <https://www.mdpi.com/2076-3417/11/22/10890> WOS:000724409500001
- C.1.13.** Bunea, AC; Dediu, V; Laszlo, EA; Pistritu, F; Carp, M; Iliescu, FS; **Ionescu, ON**; Iliescu, C; E-Skin: The Dawn of a New Era of On-Body Monitoring Systems, *MICROMACHINES*, Volume12, Issue 9, Article Number1091, DOI10.3390/mi12091091, PublishedSEP 2021, Indexed2021-10-06, <https://www.mdpi.com/2072-666X/12/9/1091> WOS:000701080700001
- C.1.14.** Marian Ion, Silviu Dinulescu, Bogdan Fartat, Mihaela Savin, **Octavian Ionescu**, Carmen. Design and Fabrication of a New Wearable Pressure, *Sensors*-21-02075-v2.pdf, <https://doi.org/10.3390/s21062075>, <https://www.mdpi.com/1424-8220/21/6/2075/pdf> WOS:000652715000001
- C.1.15.** Bardeanu, H; Matei, F; Popescu, PA; **Ionescu, O**; Jurcoane, S Improving A Biogas Plant Parameters In The Conversion Context Of Replacing The Corn Silo With Agri-Food Wastescientific Papers-Series E-Land Reclamation Earth Observation & Surveying Environmental Engineering, Volume10, Page17-23, Published2021, Indexed2021-12-18/, <http://landreclamationjournal.usamv.ro/pdf/2021/Art2.pdf> WOS:000704605600002
- C.1.16.** Paun, C; Tomescu, R; Parvulescu, C; **Ionescu, O**; Gavrilă, DE; Cristea, D Microheater optimized for the integration with metasurface-based IR sources for gas sensing application, *Romanian Journal Of Information Science And Technology*,

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- C.1.17.** Maria Roxana MARINESCU , Bogdan Cătălin ȘERBAN , Cornel COBIANU3 , Niculae DUMBRĂVESCU , Octavian IONESCU , Octavian BUIU , Liviu Daniel GHICULESCU, MECHANICAL PROPERTIES OF CARBON-BASED NANOCOMPOSITES FOR SENSORS USED IN BIOMEDICAL APPLICATIONS, U.P.B. Sci. Bull., Series B, Vol. 83, Iss. 1, 2021 ISSN 1454-2331, Accession Number WOS:000627764100004, https://www.scientificbulletin.upb.ro/rev_docs_arhiva/rez5ae_106907.pdf
- C.1.18.** Athena Maniadi, Maria Vamvakaki, Mirela PetrutaSuchea *, Ioan Valentin Tudose, Marian Popescu, Cosmin Romanitan, Cristina Pachiu, **Ionescu Octavian**, Zaharias Viskadourakis, George Kenanakis, Koudoumas Emmanouel , Effect of graphene nanoplatelets on the structure, the morphology and the dielectric behavior of low density polyethylene nanocomposites, MATERIALS, ISSN 1996-1944 Volume: 13 Issue: 21, Article Number: 4776 DOI: 10.3390/ma13214776 Published: NOV 2020 PubMed ID: 33114722/ eISSN: 1996-1944, Accession Number: WOS:000589393500001, <https://www.mdpi.com/1996-1944/13/21/4776>
- C.1.19.** Petronela, P., Mihaela, H., Niculae, O., Anton, A., **Ionescu, O.**, „New electrospun ZnO:MoO₃ nanostructures: Preparation, characterization and photocatalytic performance” July 2020, Nanomaterials ISSN 2079-4991 10(8), DOI: 10.3390/nano10081476, LicenseCC BY PubMed ID: 32731528/ eISSN: 2079-4991 WOS:000564769900001, <https://www.mdpi.com/2079-4991/10/8/1476>
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- C.1.22.** V. Dumitru, Cristina Besleaga, **Ionescu Octavian** Narcis, „Analog IGZO memristor with extended capabilities” June 2020, IEEE Journal of the Electron Devices Society PP(99):1-1DOI: 10.1109/JEDS.2020.3006000ISSN 2168-6734, Project: Innovative hardware based cyber-security solutions, <https://ieeexplore.ieee.org/document/9223154> WOS:000550636000003

- C.1.23.** Pascariu, P; Vernardou, D; Suche, M; Airinei, A Ursu, L Bucur, S; Tudose, I V; **Ionescu Octavian**; Koudoumas, E „Tuning electrical properties of polythiophene/nickel nanocomposites via fabrication”, MATERIALS & DESIGN, ISSN 0264-1275 Volume: 182, Article Number: UNSP 108027, DOI: 10.1016/j.matdes.2019.108027, Published: NOV 15 2019, WOS:000488458700016 <https://www.sciencedirect.com/science/article/pii/S0264127519304654>
- C.1.24.** C. Cobianu ,B. C. Serban, O. Buiu, **Ionescu Octavian**, N Dumbravescu; Effect of Silicon Surface Cleaning on Electrical Properties of As-Deposited Atomically Layer-Deposited (ALD) HfO2 Films Obtained From Tetrakis(dimethylamino)Hafnium (TDMAH) and Water May 2019 Romanian Journal of Information Science and Technology 22(Number 1 /2019):41-56, WOS:000543743300001 <https://romjist.ro/full-texts/paper617.pdf>
- C.1.25.** Serban, B.C., Buiu, O., Brezeanu M. , Ionescu. Octavian Cobianu, C., „Short communication Nanostructured semiconducting metal oxides for ethanol gas sensing. A possible HSAB interpretation” ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY, Volume: 21 Issue: 1 Pages: 93-96, Published: 2018, WOS:000433876800007 <https://www.romjist.ro/full-texts/paper583.pdf>
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- C.1.27.** B. C. Serban, M. Brezeanu, A. D. Luca, S. Z. Ali, O. Buiu, C. Cobianu, A. Stratulat, F. Udrea, V. Avramescu, N. Varachiu, **Ionescu Octavian**, and G. Ionescu, Nanostructured metal oxides semiconductors for oxygen chemiresistive sensing, ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY, ISSN 1453-8245, Volume 20, Number 2, 2017, 86–100, WOS:000416213300001 <https://www.romjist.ro/full-texts/paper583.pdf>
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- C.1.29.** Viorel Dumitru, Stefan Costea, Mihai Brezeanu, George Stan, Cristina Besleaga, Aurelian Galca, Gabriela Ionescu, **Ionescu Octavian** - InN based water condensation sensors on glass and flexible plastic substrates, Sensors 2013, no.13, 16940-16949, ISSN 1424-8220, doi:10.3390/s131216940, WOS:000330220600059, <https://www.mdpi.com/1424-8220/13/12/16940>

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C. 2 Articole publicate în lucrările unor conferințe indexate Clarivate Analytics Web of Science (ISI Proceedings - CPCI)

- C.2.1.** Paun, C., Tomescu, R., Cristea, D., **Ionescu, O.**, Parvulescu, C., „Design, fabrication and characterization of a micro-heater for metasurface-based gas sensors”, International Semiconductor Conference (CAS), 2020 Pagini 31-34
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- C2.2.** Pascariu, P; Romanitan, C ; Brincoveanu, O; Pachiu, C ; Manica, D; Manica, M; Popescu, A; Sandu, T; Nedelcu, O; **Ionescu, ON** ; Suche, MP; Koudoumas, E Growth of nanostructured Lanthanum doped ZnO by electrospinning calcination., 2024 INTERNATIONAL SEMICONDUCTOR CONFERENCE, CAS 2024, Page61-64, DOI10.1109/CAS62834.2024.10736709
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- C.2.3.** Manica, D; Pachiu, C; Romanitan, C; Ionescu, ON ; Nedelcu, OT Suche, MP Carbon Nanotubes (CNTs)-Polypropylene Composites for Potential Electromagnetic Shielding Applications, 2024 INTERNATIONAL SEMICONDUCTOR CONFERENCE, CAS 2024 Page279-282
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- C.2.4.** Pistritu, F; Pârvulescu, C; Gheorghe, M ; Dediu, V; Ionescu, ON ; Schiopu, P ; Suche, M Pressure mapping system at the level of the sole of the foot2024 INTERNATIONAL SEMICONDUCTOR CONFERENCE, CAS 2024Page313-316
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- C.2.5.** Pascu, R., Kusko, M., **Ionescu, O.**, Pristavu, G., Brezeanu, G., Electrical defects in grown oxide on SiC and from the oxide/SiC interface, International Semiconductor Conference, Book SeriesInternational Semiconductor Conference, Page37-40, Published2020, Indexed2021-05-15 DOI: 10.1109/CAS50358.2020.9268016, WOS:000637264600008 <https://ieeexplore.ieee.org/abstract/document/9268016>
- C.2.6.** L. Blystad, P. Ohlckers, L. Marchetti, E. Franti, M. Dascalu, O. Ionescu, D. Dobrescu, L. Dobrescu, C. Niculae, D. Dragomir, B K Hønsvall, C O Opris, K Imenes, M. Ion,

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- C.2.8.** Paun, C., Obreja, C., Comanescu, F., Tucureanu, V., Tutunaru, O., Romanitan, C., Ionescu, O., „Epoxy nanocomposites based on MWCNT”, Edited by: Brezeanu, G; Ciurea, ML; Cristea, D; Dinescu, MA; Dobrescu, D; Dragoman, M; Muller, A; Muller, R; Neculoiu, D, Book Series: International Semiconductor Conference, (CAS 2019), 42ND EDITION, Pages: 237-240, Published: 2019, WOS:000514295300050
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- C.2.9.** Cobianu, C., Dumbravescu, N., Serban, B., Buiu, O., Comanescu, F., Romanitan, C., Danila, M., Avramescu, V., Ionescu, O., „Facile 3D nanostructured ZnO-graphene hybrids for gas sensing applications”, Edited by: Brezeanu, G; Ciurea, ML; Cristea, D; Dinescu, MA; Dobrescu, D; Dragoman, M; Muller, A; Muller, R; Neculoiu, D Book Series: International Semiconductor Conference, (Cas 2019), 42nd Edition Pages: 27-30, Published: 2019, WOS:000514295300004
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- C.2.10.** Dumbravescu, N; Ionescu, Octavian ; Cernica, I; Buiculescu, V ; Pistritu, F; Mitrea, C, Significant enhancement of electrical behavior of SAW devices on langasite and quartz substrates obtained by improvements in design and technology 2019 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS 2019), 42ND EDITION, Book Series: International Semiconductor Conference Pages: 259-262m Published: 2019, WOS:000514295300054
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- C.2.11.** Ionescu Octavian, Viorel Dumitru, Emil Pricop, Octavian Buiu, Cornel Cobianu, Mihai Raneti, Stefan Pircalabu, Costin Marica, On the development of a robust cyber security system for Internet of Things devices, 2019 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI, Pagini 1-5) JUN 27-29, 2019, Accession Number: WOS:000569985400049, ISBN:978-1-7281-1624-2, ISSN: 2378-7147, https://ieeexplore.ieee.org/abstract/document/9042004.
- C.2.12.** Loreggia, D.; Capobianco, G., Fineschi, S., Massone, G., Thizy, C., Galy, C., Ionescu O., et all 12 Author(s) „The Occulter Position Sensor Emitters (OPSE) metrology sub-system for the PROBA-3 mission”, IEEE 5th International Workshop on Metrology for AeroSpace (MetroAeroSpace), 2019,

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D. Publicațiile în extenso apărute în lucrări ale principalelor conferințe internaționale de specialitate

D1 Lucrări publicate la conferințe indexate în IEEE Xplore

- D1.1. Suchea, M., Ionescu, O., Tudose, I., Mouratis, K., Romanitan, C., Pachiu, „*SnO₂ and Ni doped SnO₂ /polithiophene nanocomposites for gas sensing applications*” Solid State Electronics Letters, Volume 2, December 2020, Pages 85-91, <https://doi.org/10.1016/j.ssel.2020.11.003>, <https://www.elsevier.com/search-results?query=SnO2%20and%20Ni%20doped%20SnO2%20%2Fpolithiophene%20nanocomposites%20for%20gas%20sensing%20applications%20Solid%20State%20Electronics%20Letters&scles>**
- D1.2. E. Koudoumas; O. N. Ionescu; V. Z. Barsukov; M. P. Suchea Innovative composite materials for electromagnetic shielding, International Semiconductor Conference (CAS), Date of Conference: 12-14 October 2022 Date Added to IEEE Xplore: 09 November 2022 INSPEC Accession Number: 22239606 DOI: 10.1109/CAS56377.2022.9934416 <https://25106bsj2-y-https-ieeeexplore-ieee-org.z.e-nformation.ro/document/9934416>**

E. Brevete de invenție

E.1.1 Brevete de invenție internaționale acordate

- E.1.1.1** Serban, B., Buiu, O., **Ionescu, O.**, Buiu, A., Chemiresistor humidity sensor and fabrication method thereof, USPTO (United States Patent Office) US114,60427 (B1),
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- E.1.1.2.** **Ionescu O.**, Dumitru V., Marica C., Marica V., Luca M., Pircalabu S., Method and System for Data Validation Using Memristors, USPTO (United States Patent Office) US 11455258 (B1),
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- E.1.1.3.** **Ionescu, O.**, Brezeanu, M., Buiu, O., Dumitru, V., Georgescu, I., Serban, B., EPO European Patent number EP3279993 (B1) „Battery Life Prolongation”, -
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E.2.1 Brevete de invenție naționale acordate

- E.2.1.1** Metodă și sistem de securitate a aeroporturilor civile împotriva atacurilor teroriste cu rachete portabile sol-aer : Brevet de invenție RO 129740 B1 din 30.06.2016, acordat de Oficiul de Stat pentru Invenții și Mărci – OSIM, România. Inventatori: **Ionescu Octavian Narcis**, Pricop Emil, Ionescu Gabriela Cristina,
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- E.2.1.2** Sistem de siguranță pentru echiparea rachetelor antiaeriene dirijate radio, Brevet de invenție RO111224B1 Acordat de către Oficiul de Stat pentru Invenții și Mărci – OSIM România, CÎRSTOIU EMIL; EPARU ALEXANDRU ION DĂNUȚ ; **IONESCU OCTAVIAN** ; LOVASZ SANDOR ; MERIȘCĂ CORNEL ; MĂTREĂȚĂ ADRIAN ; PĂRĂOANU NECULAI ; PĂTRAȘCU CONSTANTIN; ROȘCA GABRIEL,
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- E.2.1.3** Constantinescu Z, Ionescu O, Ionescu C, Vladioiu M, Brevet de inventie nr RO 133285, Sistem de senzori de presiune inclus in structura ajutorului motoarelor racheta, Acordat de către Oficiul de Stat pentru Invenții și Mărci – OSIM România
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- E.2.1.4** . Cobianu C, Serban B, Buiu O, Dumbravescu N, Marinescu R, Ionescu O, Avramescu V, Brevet de inventie nr RO 134143 Senzor chemorezistiv de etanol pe baza de Nanocompozite de grafena si oxid metalic si un procedeu de obtinere a acestuia. Acordat de către Oficiul de Stat pentru Invenții și Mărci – OSIM România
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- E.2.1.5** Mirela Suche, Ionescu Octavian, Tudose Valentin, Pacuraru Luminita, Sistem inivativ pentru utilizarea reclamelor luminoase tridimensionale de interior si in scopul purificarii aerului A2018 00981 https://osim.ro/wp-content/uploads/Publicatii-OSIM/BOPI-Inventii/2019/bopi_inv_05_2019.pdf

F. Proiecte de cercetare-dezvoltare-inovare pe baza de contract/grant

F1. Project Manager / responsabil proiect

F1.1.Proiecte internaționale

1. AGS WBDL - NATO - Research, Design and Implement the verification, test and calibration line, Leonardo Airspace and Defence Romania.

F1.2. Proiecte naționale

2. Intelligent , airborne sensors system for high voltage power lines monitoring, PN-III-P2-2.1-CI-2017-0265 , Call name: P 2 - SP 2.1 - Cecuri de inovare PN-III-P2-2.1-CI-2017-0265 2017 – 2017,
3. Design and development of a monitoring system in order to prevent malicious activities for high voltage "trianon" masts, PN-II-IN-CI-2013-1-0052, Call name: Cecuri de Inovare 2013, PN-II-IN-CI-2013-1-0052 2013 – 2014
4. **O Ionescu, I Cernica E Manea, ”Sistem de celule fotovoltaice microtexturate de eficienta sporita integrat in aripa unui avion fara pilot (UAV) cu aplicatii in securitatea societala”, pentru activități din categoria D - Activități de cercetare industrială și/sau dezvoltare experimentală (CD) realizate de organizația de cercetare în colaborare efectivă cu întreprinderea C77.D**
5. **O.Ionescu, C.Bucur, D.Zisopol, C. Ianache, O.Dinu, G. Ionescu, „Servicii de elaborare a unui studiu privind functionarea modulelor pentru integrarea in retelele inteligente a sistemelor de productie a energiei electrice din surse regenerabile” nr. Contract 22/2011, Beneficiar S.C. Electrica Muntenia Nord S.A., 6 persoane, val. cu TVA 53320 lei;**

6. O.Ionescu, O Buiu, N.Dumbravescu, „Anduranță la acțiunea vibrațiilor aleatoare și mecanice, Stabilitate la temperatură și umiditate, Stabilitatea la acțiunea radiației solare-Testare sisteme optice SIOBLIN” proiect Nr.C77.2B/ 08.07.2020

F2. Membru in colectivul de implementare

F2.1. Proiecte internaționale

1. PROBA-3 ASPIICS OPSE HARWARE – Contract No. 4000111522 / 14 / NL / GLCESA OPSE,
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3. Accelerating Innovation in Microfabricated devices-Moore4Medical CodSMIS2014+:137529 Contract 15/1.1.3H/390018/19.03.2021

F2.1. Proiecte naționale

1. Contract de finantare pentru executie proiecte de CDI, Nr. 121 /20.07.2017Programul de Cercetare-Dezvoltare-Inovare pentru Tehnologie Spațială și Cercetare Avansată – STAR Tip proiect: CDI SISTEME DE ALINIERE OPTICĂ PENTRU ZBORURILE SPAȚIALE ÎN FORMATIE ȘI DEORBITAREA REZIDUURILOR DIN SPAȚIU (OASYS)
2. Metoda si dispozitiv de testare la domiciliu pentru detectarea precoce a virusului SARS-CoV-2 Proiect finantat in cadrul PNIII, Programul 2- Creșterea competitivității economiei românești prin cercetare-dezvoltare și inovare, domeniul de prioritate publică “Sănătate”, Competiția SOLUȚII -2020 -1.Contract Nr. 13Sol/15.06.2020
3. “:Tehnologii suport de realizare a ariilor de elemente micro-optice pentru aplicații spațiale.” Contract de finantare Nr. 165 / 20 Iulie 2017 Programul de Cercetare-Dezvoltare- Inovare pentru Tehnologie Spațială și Cercetare Avansată – STAR Tip proiect: CDI,
4. SAW Microsensors New Technologies for Specific Space Conditions Call name: P 2 - SP 2.1 - Proiect experimental – demonstrativ, PN-III-P2-2.1-PED-2016-1653 2017 – 2018, <http://www.imt.ro/saw-meteoritics/>
5. Innovative system for using indoor 3d lighting advertising displays for air purification purpose, PN-III-P2-2.1-CI-2018-1112, Call name: P 2 - SP 2.1 - Cecuri de inovare, PN-III-P2-2.1-CI-2018-1112 2018 – 2018, <http://www.imt.ro/EcoReclama/>
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7. Sistem mobil adaptiv de mixare si dispersare a unor solutii coloidale inovative cu nanoparticule pentru neutralizarea toxicitatii agentilor chimici, biologici si radiologici, PN-III-P2-2.1-PED-2019-4222
8. Nanostructured carbon based materials for advanced industrial applications, Call name: P 1 - SP 1.2 - Proiecte complexe realizate in consorții CDI, PN-III-P1-1.2-PCCDI-2017-0619, <http://www.imt.ro/nanocarbon+/>
9. C.Bucur, O.Ionescu, A. Savulescu, G. Ionescu, I.Nae, Servicii de elaborare a unui studiu privind eficientizarea masurilor de integrare a producatorilor de energie electrica utilizand surse regenerabile in retelele electrice de distributie din zona S.C. F.D.E.E. Electrica Distributie Muntenia Nord S.A., nr. Contract 23/2011, 5 persoane, Beneficiar S.C. Electrica Muntenia Nord S.A., val. (cu TVA) 44400 lei.
10. G.Ionescu, O Ionescu, I.Nae, M.Minescu, C.Bucur, G.Radulescu, D.Orhei, G.Stan, E.Pricop, "Serviciu privind elaborarea unui studiu si a unei aplicatii pentru un sistem de protectie la lucrari si cresterea electrosecuritatii in domeniul lucrarilor la inalta tensiune, in instalatii electrice inteligente, in cadrul S.C. F.D.E.E. ELECTRICA DISTRIBUTIE MUNTENIA NORD"nr. contract 4/17.01.2013, valoare 45000lei, Beneficiar S.C. Electrica Muntenia Nord S.A. ;
11. PN-III-P2-2.1-PED2019-4146, Dispozitiv electrochimic modular pentru stocarea de sarcina Multi-celled electrochemical STOrage Devices Call name: P 2 - SP 2.1 - Proiect experimental – demonstrativ ,PN-III-P2-2.1-PED-2019-4146 2019 – 2021
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F. Lista citărilor

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Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate ISI

1. Membru al comitetului de organizare al International Workshop on Systems Safety & Security- IWSSS 2020, online event (e-event) due to the COVID-19 pandemic 25-26 iunie 2020, Bucuresti, România,
<https://iwsss.org/2020/#committee>
2. Membru al comitetului de organizare si Co-Chair al International Workshop on Systems Safety & Security - IWSSS 2019, 27 - 29 JUNE, 2019 / PITESTI, ROMANIA.
<https://iwsss.org/2019/#committee>

Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate BDI

3. Membru al comitetului de organizare al International Workshop on Systems Safety & Security- IWSSS 2022, organised at Petroleum-Gas University of Ploiesti 30.06.2022-06.07.2022 <https://iwsss.org/2022/#committee>
4. Membru al comitetului de organizare al International Workshop on Systems Safety & Security- IWSSS 2023, , organised at Politehnica University of Bucharest Faculty of Electronics, Telecommunications and Information Technology 29.06.2023-30.06.2023
<https://iwsss.org/2023/#committee>

Premii obtinute la manifestari stiintifice

1. Medalia de Aur la Salonul Internațional de Inventică – INVENTICA 2018, Iași pentru brevetul RO 129740B1 - Metodă și sistem de securitate a aeroporturilor civile împotriva atacurilor teroriste cu rachete portabile sol-aer;

2. Diploma de excelență și medalia de aur pentru “Senzor chemorezistiv de umiditate” Cerere Brevet Inventie Nr. A01079, 11-12-2017, OSIM, România, Șerban Bogdan- Cătălin, Buiu Octavian, Cobianu Cornel, **Ionescu Octavian-Narcis**, Varsescu Dragoș, a- XVI-a ediție a Salonului Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT, Cluj-Napoca, România, 21-23 martie 2018.
3. Medalie de aur pentru “Sistem automat de monitorizare a portului echipamentului de protecție obligatoriu în zonele cu potențial ridicat de pericol”, OSIM Ionescu Octavian Narcis, Emil Pricop, Cerere Brevet Inventie A/00299/15.04.2014. The 22nd International Exhibition of Inventics “INVENTICA 2018” Iași, România.
4. Medalie de argint / Laureat al Premiului Juriului pentru “ Metodă și sistem de securitate a aeroporturilor civile împotriva atacurilor teroriste cu rachete portabile sol-aer”, OSIM BI nr. 129740, **Ionescu Octavian Narcis**, Emil Pricop, Gabriela Cristina Ionescu, Invent Invest 2018, Chișinău Republica Moldova, Târgul Internațional de Invenții și idei Practice 2018.
5. Diploma de excelență pentru “Cyber security system for internet of things connected devices”, US Provisional Application Serial No. 62/579,230, **Octavian Ionescu**, Octavian Buiu, Bogdan-Cătălin Șerban, Andrei Buiu, Zoran Constantinescu, a- XVI-a ediție a Salonului Internațional al Cercetării Științifice, Inovării și Inventicii PRO INVENT, Cluj-Napoca, România, 21-23 martie 2018.

14 noiembrie 2024

Dr. Ing. Ionescu Octavian