

FIȘA DE VERIFICARE
 a îndeplinirii standardelor minimale necesare și obligatorii pentru obținerea atestatului de
 abilitare
 conform Anexri nr. 15 la - Ordinul MENCs nr. 6129/2016
 Comisia de calculatoare, tehnologia informației și ingineria sistemelor

Candidat: Dr. Ing. Ionescu Octavian Narcis

Standarde minimale – Atestat abilitare

Nr.crt.	Domeniul de activitate	Punctaj impus	Punctaj realizat	Criteriu îndeplinit(DA/NU)
A1	Activitate didactică / profesională (A1)	100	150.4978	DA
A2	Activitatea de cercetare (A2)	600	985.6349	DA
A3	Recunoașterea impactului activității (A3)	150	259.881	DA
	TOTAL (A)	850	1396.0137	DA

Standarde minimale obligatorii pe subcategorii

Standard / condiție pe subcategorii		Habilitare-Profesor	Realizat	Îndeplinit
A1.1.1 – A1.1.2	Cărți de specialitate	1 carte	3 carti / 2 capitole	DA
A2.1	Articole în reviste cotate ISI și în volumele unor manifestări științifice indexate ISI proceedings	15 din care minim 3 în reviste cotate ISI Q1 sau Q2 ¹⁰	61 (3Q1, 12 Q2)	DA
A2.4.1.	Granturi / proiecte de cercetare câștigate prin competiție (Director / Responsabil partener)	4	8	DA
A3.1.1	Număr de citări în cărți, reviste cotate ISI și volume ale unor manifestări științifice ISI (WOS) ¹¹	25	237 în reviste / manifestări ISI	DA
	Factor de impact ISI cumulat pentru publicații ¹²	10	88.5170	DA

Se vor trece pentru fiecare criteriu (din standardele impuse) toate lucrările, cu precizarea punctajului care revine candidatului pentru fiecare lucrare și a tuturor informațiilor privind lucrările: autorii, titlul lucrării, titlul revistei/cărtii, anul, volumul, numărul, pagina la care începe articolul și pagina la care se termină articolul, nr. pagini carte, editura la care a fost publicată cartea, instituția care a acordat brevetul, ISSN/ISBNetc.

1. Studiile de doctorat

Nr. crt.	Instituția organizatoare de doctorat	Domeniul	Perioada	Titlul științific acordat
1.	Universitatea Petrol-Gaze din Ploiești	Automatica	03.10.1999 – 18.05.2005	Doctor

2. Îndeplinirea standardelor minime de prezentare pentru postul de profesor universitar, conform OMENCS nr. 6129/20.12.2016, publicat în M. Oficial, Partea I, nr. 123 bis /15.02.2017

Domeniul activităților	Categorii și restricții	Subcategorii	Indicatori (kpi)	Punctaj
Activitatea didactică și profesională (A1)	2	3	4	X
	Cărți de autor sau capitole¹ de specialitate în edituri cu ISBN Cărți / monografii		50/nr. de autori sau 100/nr. de autori cu condiția² N.aut. = 4 Kp = 100 Capitol = 1/4 (World Cat 111 biblioteci)	12.5

¹ Capitolul de carte editată trebuie să NU fie într-un volum de conferință (cu ISBN) și se punctează cu 1/4 din punctajul pentru cartea din categoria respectivă.

² Dacă cartea respectivă se regăsește în cel puțin 50 de biblioteci din străinătate conform catalogului WorldCat.

³ Se consideră factorul de impact ISI al revistei valabil în anul publicării sau la data depunerii dosarului. Pentru volumele manifestărilor ISI se consideră factorul de impact echivalent 0.25. Pentru volumele conferințelor internaționale de top în domeniul de abilitare se consideră factorul de impact echivalent 0.75;

⁴ Pentru domeniul Inginerie Electronica, Telecomunicații și Tehnologii Informaționale sunt recunoscute următoarele baze de date internaționale (BDI): ISI, Scopus, IEEE (Institute of Electrical and Electronics Engineers) Xplore, Science Direct, Elsevier, Springerlink, ACM (Association for Computing Machinery), DBLP, EURASIP,

⁵ Se dublează punctajul dacă rezultatul este înregistrat la WIPO, EPO, USPTO, JPO

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				2. Șerban, C.S., Bumbac,M., Ionescu, O., Dumitru, V., Brezeanu, M., Buiu,O., Cornel Cobianu, C, <i>Quantum Dots versus Dyes in Sensitized Solar Cells: Synthesis, Optimization, Performance</i> , In book: Science and applications of Tailored Nanostructures, Publisher: One Central Press, Editors: Professor Paolo Di Sia ISBN (eBook): 978-1-910086-19-3 http://www.onecentralpress.com/science-and-applications-of-tailored-nanostructures/	N,aut. = 7 Kp = 50 Capitol = ¼	1.7857
				Naționale	50/nr. de autori	
				A1.1.2		
				1. Paraschiv N, Ionescu, O. TRANSMISIA ȘI PROCESAREA NUMERICĂ A DATELOR ÎN SISTEMLILE AUTOMATE, Editura Universității Petrol – Gaze din Ploiești, Ploiesti,2025 ISBN 978-973-719-921-8	N aut=2 Kp = 50	25
				2. Ionescu, O. Productia de energie electrica din resurse regenerabile – biogaz, Editura Universității Petrol – Gaze din Ploiești, Ploiesti,2022 ISBN 978-973-719-853-2	N aut=1 Kp = 50	50
				3. Dumitrescu, I., Cremenescu, Gh.,Bucur C., Savulescu I., Ianache, C. Orhei, D.,Dinu, O., Georgescu, L.,Mirodotescu, B.,Ionescu O., Teodoroiu, A. <i>Masurari Electronice</i> , Editura AGIR, Bucuresti,2001, ISBN 973-8130-48-4.	N. aut. = 11 Kp = 50	4.5454
				A1.2.1	40/ nr. autori	
				1. Ionescu, O. <i>Indrumar laborator microcontrolere</i> , Editura Universității Petrol – Gaze din Ploiești, ISBN 978-973-719-790-0., Ploiesti,2020.	N. aut. = 1 Kp = 40	40
				2. Ionescu, O.(coordonator),Bucur C., Savulescu,I., Cremenescu,Gh., <i>Manual pentru formare electronisti</i> , Editura Universității Petrol – Gaze din Ploiești, 2012,ISBN 978-973-719-413-8, Ploiești, 2012.	N. aut. = 4 Kp = 40	10
				3. Ionescu O. (coordonator),Cremenescu, Gh.,Dinu, O., Orhei, D.,Savulescu, A.,Ioan Savulescu, I., <i>Electronica analogica- indrumar de lucrari practice</i> , Editura Universității Petrol-Gaze din Ploiești, ISBN 978-973-719-486-6 Ploiesti, 2012.	N. aut. = 6 Kp = 40	6.6667
				TOTAL A1		150.4978
Activitatea de cercetare (A2)	Articole în reviste cotate ISI și lucrări în volumele unor manifestări științifice indexate ISI	A2.1.			(25+30*factor de impact) / nr. de autori	
				1. Suche, 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 DOI10.1038/s41598-025-88121-1 ISSN 2045-2322 WOS:001414693700037	IF=3.8 Naut=12 Q1	11.58
				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 electrosprining calcination., 2024 INTERNATIONAL SEMICONDUCTOR CONFERENCE, CAS 2024, Page61-64, DOI10.1109/CAS62834.2024.10736709 WOS:001361909500010	IF = 0.25 N.aut=12	2.7

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3.	Manica, D; Pachiu, C; Romanitan, C; Ionescu, ON ; Nedelcu, OT ; Suchea, MP Carbon Nanotubes (CNTs)-Polypropylene Composites for Potential Electromagnetic Shielding Applications, 2024 INTERNATIONAL SEMICONDUCTOR CONFERENCE, CAS 2024 Page279-282 DOI10.1109/CAS62834.2024.10736740 WOS:001361909500059	IF = 0.25 N. aut=6	5.41	
4.	Pistritu, F; Părvulescu, C; Gheorghe, M ; Dediu, V; Ionescu, ON ; Schiopu, P ; Suchea, M Pressure mapping system at the level of the sole of the foot2024 INTERNATIONAL SEMICONDUCTOR CONFERENCE, CAS 2024Page313-316 DOI10.1109/CAS62834.2024.10736871 WOS:001361909500067	IF = 0.25 N. aut=7	4.64	
5.	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 WOS:001196525500013	IF=0.3 N. aut=13	2.61	
6.	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 https://doi.org/10.3390/mi15070847 https://www.mdpi.com/2072-666X/15/7/847	IF = 3 N. aut = 8	14.375	
7.	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. https://doi.org/10.3390/bios14010031 WOS:001149201300001 https://www.mdpi.com/2079-6374/14/1/31	IF = 5.4 N. aut = 16 Q1	11.68	
8.	Dragomir, D,; Carbanaru,; Moldovan, CA; Lascar, I ,; Dontu, O ; Ristoiu, V ; Gheorghe, R ; Oproiu, AM; Firtat, B; Franti, E; Dascalu,M.; Neagu, TP ; Enescu, DM ; Ionescu, O; Ion, M; Mihailescu, C ; Costea, R; Gonciarov, M; Ionescu, G; Dumitru, A; Minca, A; Niculae, C ; Raita, S; Rosca, I; Lazarescu, S; Stoica, C; Teleanu, RI; Teleanu, DM.Biocompatibility Analysis of GelMa Hydrogel and Silastic RTV 9161 Elastomer for Encapsulation of Electronic Devices for Subdermal Implantable Devices, Coatings, Volume13, Issue1, Article	IF = 3,236 N. aut = 28	2.18	

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		Based Paints for Composite Materials Used in Electromagnetic Shielding Applications (mdpi.com) WOS:000755284900001		
		15. Ionescu, O., Cernica, I, Manea, E, Parvulescu, C, Istrate, A, Ionescu, G, Sucheai, 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. WOS:000724409500001 https://www.mdpi.com/2076-3417/11/22/10890 WOS:000724409500001	IF = 2,838 N. aut = 7 Q2	15.734
		16. Bunea, A., Dediu, V., Laszlo, E., Pistritu, F., Carp, M., Iliescu, F., Ionescu, O., Iliescu, C.; <i>E-Skin: The Dawn of a New Era of On-Body Monitoring Systems</i> , MICROMACHINES, Volume12, Issue 9, Article Number1091, DOI10.3390/mi12091091, PublishedSEP 2021, , https://www.mdpi.com/2072-666X/12/9/1091 WOS:000701080700001	IF = 3.523 N. aut = 8 Q2	16.336
		17. Ion, M., Dinulescu, M., Fartat, B., Savin, M., Ionescu, O., Moldovan, C., <i>Design and Fabrication of a New Wearable Pressure Sensor for Blood Pressure Monitoring Sensors</i> , Sensors 2021, 21(6), 2075; https://doi.org/10.3390/s21062075 https://www.mdpi.com/1424-8220/21/6/2075/pdf WOS:000652715000001	IF = 4.050 N. aut = 6 Q2	24.416
		18. Ionescu, O; Cernica, IV; Manea, E; Purica, M; Corneliu, PC ; Paun, C; Alina, P Microtextured photovoltaic cells system for UAVs autonomy extension, 2021 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS) Page99-102 DOI10.1109/CAS52836.2021.9604168 ISBN 978-1-6654-3571-0 WOS:000853482700018 https://25106bsj2-y-https-ieeeexplore-ieee-org.z.e-nformation.ro/document/9604168	IF = 0.25 N. aut = 7	4.64
		19. Bardeanu, H; Matei, F; Popescu, PA; Ionescu, O; Jurcoane, S <i>Improving A Biogas Plant Parameters In The Conversion Context Of Replacing The Corn Silo With Agri-Food Wastescentific Papers-Series E-Land Reclamation Earth Observation & Surveying Environmental Engineering</i> , Volume10, Page17-23, Published2021, Indexed2021-12-18/, http://landreclamationjournal.usamv.ro/pdf/2021/Art2.pdf WOS:000704605600002	IF = 0.25 N. aut = 5	6.5
		20. Paun, C; Tomescu, R; Parvulescu, C; Ionescu, O; Gavrilă, DE; Cristea, D <i>Microheater optimized for the integration with metasurface-based IR sources for gas sensing application</i> , Romanian Journal Of Information Science And Technology, Volume24, Issue2, Page201-212, Special IssueSI, Published2021, Indexed2021-07-09record/ https://www.romjist.ro/full-texts/paper688.pdf WOS:000668010700005	IF = 0.643 N. aut = 6	7.38

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21. Marinescu, R., Șerban, B., Cobianu, C., Dumbrăvescu, N., Ionescu, O., Buiu, O., Ghiculescu, L., 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 https://www.scientificbulletin.upb.ro/rev_docs_arhiva/rez5ae_106907.pdf WOS:000627764100004	IF = 0.25 N. aut = 7	4.64
22. Maniadi, A., Vamvakaki, M., Suche, M., Tudose, I., Popescu, M., Romanitan, C., Pachiu, C., Ionescu, O. , Viskadourakis, Z., Kenanakis, G., Emmanou, K., „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, https://www.mdpi.com/1996-1944/13/21/4776 WOS:000589393500001	IF = 3.057 N. aut = 11	5.305
23. 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 DOI: 10.1109/CAS50358.2020.9267975 WOS:000637264600007 https://ieeexplore.ieee.org/abstract/document/9267975	IF = 0.25 N. aut = 5	6.5
24. 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 Series International Semiconductor Conference, Page 37-40, Published 2020, Indexed 2021-05-15 DOI: 10.1109/CAS50358.2020.9268016 WOS:000637264600008 https://ieeexplore.ieee.org/abstract/document/9268016	IF = 0.25 N. aut = 5	6.5
25. Blystad, L., Ohlckers, P., Marchetti, L., Franti, E., Dascalu, M., Ionescu, O. , Dobrescu, D., Dobrescu, L., Niculae, C., Dragomir, D., Hønsvall, B., Opris, C., Imenes, K., Ion, A., Oproiu, M., Pascual, A., Moldovan, C., Firtat, B., Ristoiu, V., Gheorghe, R., Barbilian, A., „ Bidirectional neuroprosthesis system integration” 2020/9/15 2020 IEEE 8th Electronics System-Integration Technology Conference (ESTC) Conferință, Pagini 1-7, DOI: 10.1109/ESTC48849.2020.9229697 https://ieeexplore.ieee.org/abstract/document/9229697 WOS:000631824100027	IF = 0.25 N. aut = 21	1.547
26. 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, License CC BY PubMed ID: 32731528/ eISSN: 2079-4991 https://www.mdpi.com/2079-4991/10/8/1476 WOS:000564769900001	IF = 5.719 N. aut = 5 Q2	39.314
27. Ionescu, O. , Dumitru, V., Pricop, E., Besleaga, C., „UAV identification system based on memristor physical unclonable functions” 12th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Year 2020, Conference Paper, Publisher IEEE,	IF = 0.25 N. aut = 4	8.125

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https://ieeexplore.ieee.org/document/9223154 WOS:000627393500034						
28. Simionescu, O., Pachiu, C., Ionescu, O., Dumbravescu, N., Bui, O., Popa, R., Avram, A., Dinescu, G., „ <i>Nanocrystalline graphite thin layers for low-strain, high-sensitivity piezoresistive sensing</i> ” Reviews On Advanced Materials Science, Volume: 59 Issue: 1 Pages: 306-313, DOI: 10.1515/rams-2020-0031, Published: JAN 2020 https://www.degruyter.com/document/doi/10.1515/rams-2020-0031/html WOS:000557463800001		IF = 1.197 N. aut = 8	7.6137			
29. Cobianu, C., Dumbravescu, N.; Serban, BC; Romanitan, C., Bui, O., Comanescu, F, Danila, M.,; Marinescu, R; Avramescu, V, Ionescu, O., „Sonochemically synthesized ZnO-Graphene nanohybrids and its characterization” REVIEWS ON ADVANCED MATERIALS SCIENCE, Volume: 59 Issue: 1 Pages: 176-187, DOI: 10.1515/rams-2020-0013 Published: JAN 2020, WOS:000543743300001 https://www.degruyter.com/document/doi/10.1515/rams-2020-0013/html?lang=de		IF = 1.197 N. aut = 10	6.0910			
30. Dumitru, V., Besleaga, C., Ionescu, O., „ <i>Analog IGZO memristor with extended capabilities</i> ” June 2020, IEEE Journal of the Electron Devices Society PP(99);, Volume: 8 Pages: 695-700, DOI: 10.1109/JEDS.2020.3006000, Published: 2020 WOS:000550636000003 https://ieeexplore.ieee.org/document/9129774		IF = 2.523 N. aut = 3 Q2	33.563			
31. Pascariu, P., Vernardou, D., Suche, M., Airinei, A., Ursu, L., Bucur, S., Tudose, I., Ionescu, O., 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		IF = 9.417 N. aut = 9	34.167			
32. Paun, C., Obreja, C., Comanescu, F., Tucureanu, V., Tutunaru, O., Romanitan, C., Ionescu, O., „ <i>Epoxy nanocomposites based on MWCNT</i> ”, 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 https://ieeexplore.ieee.org/abstract/document/8923947		IF = 0,25 N. aut = 7	4.6429			
33. Cobianu, C., Dumbravescu, N., Serban, B., Bui, O., Comanescu, F., Romanitan, C., Danila, M., Avramescu, V., Ionescu, O., „ <i>Facile 3D nanostructured ZnO-graphene hybrids for gas sensing applications</i> ”, 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,		IF = 0,25 N. aut = 9	3.6111			

Published: 2019, WOS:000514295300004 https://ieeexplore.ieee.org/abstract/document/89233765				
34. Dumbravescu, N., Ionescu, O., 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” INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS 2019), 42ND EDITION, Book Series: International Semiconductor Conference Pages: 259-262mPublished: 2019 https://ieeexplore.ieee.org/abstract/document/89233862 WOS:000514295300054	IF = 0,25 N. aut = 6	5.4167		
35. Ionescu, O., Dumitru, V., Pricop, E., Buiu, O., Cobianu, C., Raneti, M., Pircalabu, S., Marica, C., „On the development of a robust cyber security system for Internet of Things devices”, 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI, Pagine 1-5) JUN 27-29, 2019, ISBN:978-1-7281-1624-2, ISSN: 2378-7147 Accession Number: WOS:000569985400049 https://ieeexplore.ieee.org/abstract/document/9042004 WOS:000569985400049	IF = 0,25 N. aut = 8	4.0625		
36. Loreggia, D.,; Capobianco, G., Fineschi, S., Massone, G., Thizy, C., Galy, C., Ionescu O., et al 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, WOS:000713898100088 https://ieeexplore.ieee.org/document/8869628 , https://www.scopus.com/authid/detail.uri?authorId=35299353200	IF = 0,25 N. aut = 12	2.7083		
37. Cobianu, C., Nastase, F., Dumbravescu N., Buiu, O., Serban, B., Danila, M., Gavrilă, R., Ionescu, O., Romanitan, C. „Effect of Silicon Surface Cleaning on Electrical Properties of As-Deposited Atomically Layer-Deposited (ALD) HfO2 Films Obtained From Tetraakis(dimethylamino)hafnium (TDMAH) and Water”, Romanian Journal Of Information Science And Technology, Volume: 22 Issue: 1 Pages: 41-56, Published: 2019 WOS:000469865900004 https://romjst.ro/full-texts/paper617.pdf	IF = 1.197 N. aut = 9	6.7677		
38. Giura, I., Pachi, C., Popescu, M., Bita, B., Ionescu, O., Suche, M., „Methods for Art Preservation and Restoration. Identification of parameters for potential monitoring the temporal evolution of putties”, Edited by: Brezeanu, G., Ciurea, M., Cristea, D., Dinescu, M., Dobrescu, D., Dragoman, M., Muller, A., Muller, R., Neculoiu, D., CAS 2018 PROCEEDINGS: 2018 International Semiconductor Conference, Pages: 291-294, Published: 2018, WOS:000514386700060 https://ieeexplore.ieee.org/abstract/document/8539821	IF = 0,25 N. aut = 6	5.4167		

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39. Serban, B., Buiu, O., Brezeanu M., Ionescu. O., 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.romjst.ro/full-texts/paper583.pdf	IF = 0,485 N. aut = 5	7.9100
40. Cobianu, C., Nastase, F., Dumbravescu, N., Buiu, O., Albu, A., Serban, B., Danila, M., Romanitan, C., Ionescu, O., „Electrical Properties Of As-Deposited Al ₂ O ₃ Films Related To Silicon Surface State”, Edited by: Brezeanu, G., Ciurea, M., Cristea, D., Dinescu, M., Dobrescu, D., Dragoman, M., Muller, A., Muller, R., Neculoiu, D., CAS 2018 PROCEEDINGS: 2018 International Semiconductor Conference, Pages: 69-72, Published: 2018, WOS:000514386700010 https://ieeexplore.ieee.org/abstract/document/8539782	IF = 0,25 N. aut = 9	3.6111
41. Oproiu, A., Lascar, I., Moldovan, C., Dontu, O., Pantazica, M., Mihaila, C., Florea, C., Dobrescu, L., Sebe, I., Scarlet, R., Dobrescu, D., Neagu, T., Ionescu, O. Stoica, I., Edu, A., „Peripheral Nerve WIFI Interfaces and Electrodes for Mechatronic Prosthetic Hand” Romanian Journal Of Information Science And Technology, Volume: 21 Issue: 2 Pages: 129-138, Published: 2018, WOS:000455899600000 https://www.romjst.ro/full-texts/paper586.pdf	IF = 0,485 N. aut = 15	2.6367
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		2. E. Koudounas; O. N. Ionescu; V. Z. Barsukov; M. P. Suche, 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	N.aut=4	5.0
Total Partial A2.2				
Proprietate intelectuală, brevete de invenție, certificate ORDA	A2.3.1	Internationale ⁵	35/ nr. Autori	
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	3. Ionescu, O., Brezeanu, M., Buiu, O., Dumitru, V., Georgescu, I., Serban, B., EPO European Patent number EP3279993 (B1), „Battery Life Prolongation”, - https://worldwide.espacenet.com/patent/search/family/056557636/publication/EP3279993A1?q=pn%3DDEP3279993A1	N. aut =6	11.66	
	4. Dumitru, V; Pircalabu, S; Ionescu, O, Marica, C; Marica, V; Luca, M, USPTO (United States Patent Office) „Secure communication system and method” US patent number US11356422(B1) granted by the patent office on 2022-06-07. https://patents.google.com/patent/US20210136044A1/en?q=(Secure+communication+system+and+method)&inventor=Octavian+Narcis+Ionescu	N.aut=5	14.00	
	5. Ionescu, O., Constantinescu, Z., Serban, B., Buiu, O., Buiu, A., USPTO (United States Patent Office) „Cyber security system for internet of things connected devices” U.S. patent	N.aut=5	14.00	

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	6. Ionescu, O., Buiu O., Georgescu, I., Dumitru, V., Serban, B., Brezeanu, M., Serbanescu, M., USPTO (United States Patent Office) „ <i>Adaptive balancing for battery management</i> ”, U.S. patent number US11034259B2· granted by the patent service on 2021-06-15 https://patents.google.com/patent/US20210221251A1/en?q=(Adaptive+balancing+battery+management)&inventor=Octavian+Ionescu	N.aut=7	10.00	
Total Partial A2.3.1				
A2.3.2	Naționale (OSIM)	25 /nr. autori	81.16	
	1. Cîrstoiu, E., Eparu, A., Ion, D., Ionescu, O., Lovasz, S., Merișcă, C., Mătreacă, A., Părăoanu, N., Părașcu, C., Roșca, G., Brevet de invenție RO111224B1 „Safety System For Equipping Radio-Controlled Anti-Aircraft Missiles”, Acordat de către Oficiul de Stat pentru Invenții și Mărci – OSIM România https://worldwide.espacenet.com/patent/search/family/064361016/publication/RO111224B1?q=pn%3DRO111224B1	N. aut =10	2.5	
	2. Ionescu, O., Pricop, E., Ionescu, G., Brevet de invenție nr. RO 129740 B1 / 30.06.2016 „ <i>Metodă și sistem de securitate a aeroporturilor civile împotriva atacurilor teroriste cu rachete portabile sol-aer</i> ” Acordat de către Oficiul de Stat pentru Invenții și Mărci – OSIM România http://pub.osim.ro/publication-server/pdf-document?PN=RO129740%20RO%20129740&iDocId=8543&iepatch=.pdf	N. aut =3	8.333	
	3. Constantinescu Z, Ionescu O, Ionescu C, Vladioiu M, Brevet de invenție 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 https://www.osim.ro/images/Publicatii/Inventii/2024/bopi_inv_08_2024.pdf	N. aut =4	6.25	
	4. Cobianu C, Serban B, Buiu O, Dumbravescu N, Marinescu R, Ionescu O, Avramescu V, Brevet de invenție 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 https://osim.ro/images/Publicatii/Inventii/2025/bopi_inv_01_2025.pdf	N. aut =7	3.57	

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5. Mirela Suchea, 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	N.aut=4	6.25
	Total Partial A 2.3.2	26.903



Activitatea de cercetare (A2)	Granturi / proiecte de cercetare câștigate prin competiție ⁶ sau Contracte cu agenți economici, în valoare de minim 10000 dolar SUA echivalent încasați ⁶	Director / responsabil partener	A2.4.1.1	Internaționale	20 * ani desfășurare	
					T = 2 ani	40
				1. AGS (Alliance Ground Surveillance) WBDL (wide band datalink) - NATO - Research, Design and Implement the verification, test and calibration line, Leonardo Airspace and Defence Romania proiect cu valoare incasata peste 1000000 Euro conform ANEXA 1 adeverinta Leonardo In cadrul proiectului „AGS WBDL - NATO - Research, Design and Implement the verification, test and calibration line, Leonardo Airspace and Defence Romania” . Proiectul a constat in cercetarea, proiectarea si executarea de standuri si dispozitive automate de verificare a componentelor sistemului AGS WBDL produse pe linia de fabricatie dezvoltata de Romania. Standurile pentru verificarea placilor digitale au folosit tehnologia J-Tag si Boundary Scan. * Leonardo plays a key role in the NATO AGS programme, which involves a group of 15 Allies – including the USA, Germany, Italy and Norway – aimed at acquiring an advanced ground surveillance capability through remotely piloted aircraft. As part of the programme, which has Northrop Grumman as prime contractor, Leonardo was responsible for the contribution of Italian industry as well as for the industrial participation of Bulgaria and Romania. Competitia pentru atribuirea contractului a avut loc intre cele 15 tari participante la program. *https://unmanned.leonardo.com/en/products/nato-ags		
			A2.4.1.2.	Naționale - 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, Competitie organizata UEFICDI PN-III-P2-2.1-CI-2017-0265 2017 – 2017 Valoare incasata 50000 Lei, conform Anexa 2 adeverinta INCD IMT Bucuresti https://cursbnr.nxm.ro/data/21-02-2017 (1 Dolar SUA = 4,28 Lei) Proiectul a urmarit dezvoltarea unui sistem aeropurtat de senzori pentru monitorizarea in timp real a fenomenelor ce pot genera defecte in liniile de inalta tensiune (Aparitia efectului Corona insotit de degajare de ozon, descarcari luminoase si zgomot specific) - 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 Competitie organizata UEFICDI PN-II-IN-CI-2013-1-0052 2013 – 2014 Valoare incasata 50000 Lei conform Anexa 3 Adeverinta UPG Ploiesti https://cursbnr.nxm.ro/data/21-02-2014 (1 Dolar SUA = 3,29 Lei) In cadrul proiectului a fost dezvoltat un sistem de senzori pentru monitorizarea in timp real a starii infrastructurii critice (stalpii de inalta tensiune) si avertizare a tentativelor de distrugere a acestora. "Sistem de celule fotovoltaice microtexturate de eficienta sporita integrat in aripa unui avion fara pilot (UAV) cu aplicatii in securitatea societata", pentru activitati in categoria D - Activități de cercetare industrială și/sau dezvoltare experimentală (CD) realizate de organizația de cercetare în colaborare efectivă cu întreprinderea C77.D. Valoare incasata 450000 Lei conform Anexei 2 Adeverinta INCD IMT https://cursbnr.nxm.ro/data/21-02-2020 (1 Dolar SUA = 4,44 Lei)	10 * ani desfășurare T = 0.5 ani 5	5
					T = 0.5 ani	5
					T = 1.5 ani	15

			Proiectul a tratat atat dezvoltarea sistemului de celule fotovoltaice texturata cat si integrarea sursei de energie regenerabila (celulele fotovoltaice) cu sistemul de alimentare al UAV ului.		
			• „Servicii de elaborare a unui studiu privind functionarea modulelor pentru integrarea in retelele inteligente a de producere a energiei electrice din surse regenerabile” nr. Contract 22/2011, Beneficiar S.C. Electrica Muntenia Nord S.A., Valoare incasata 53320 Lei conform ANEXA 3 - Adeverinta Universitatea Petrol Gaze din Ploiesti. https://cursbnr.nxm.ro/data/21-02-2011 (1 Dolar SUA= 3.09 Lei) Proiectul a constat in cercetarea, studiul si analiza sistemelor de conversie a energiei electrice de curent continuu in curent alternativ, si determinarea elementelor de control necesare conectarii la retea a acestor sisteme in concordanta cu standardele de calitate a energiei electrice existente. Cercetarile efectuate asupra invertoarelor propuse constau in stabilirea capacitatii intrinseci a acestora de a realiza reglarea automata a tensiunii si fazei curentului debitat in retea, de a se deconecta pe timp de noapte, si de a trece peste defecte de scurta durata fara a se deconecta de la retea. Proiect obtinut pe baza participarii la competitie pe SEAP (contracandidati ICPE, Elvani etc)	T = 0.5 ani	5
			• „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 Valoare incasata 49280 Lei conform Anexa 2 adeverinta INCD IMT Bucuresti. https://cursbnr.nxm.ro/data/21-02-2020 (1 Dolar SUA= 4,44 Lei) In cadrul acestui proiect au fost realizate cercetari si studii referitoare la fiabilitatea si stabilitatea in functionare a unor sisteme complexe de monitorizare optica automata, a frontierelor de stat, determinare si identificare a subiectilor ce au tentative de trecere frauduloasa a acestora.	T = 0.5 ani	5
			• „Panouri de Protecție Balistică pentru Limitarea Exploziilor în Aeroporturi” – PLEXO Cod: ROFSIP2016OS6A12P0,Contract nr. 221993/18.09.2020: Servicii de cercetare – dezvoltare a unor panouri de protecție balistică de dimensiuni reduse Valoare incasata 116000 Lei conform Anexa 2 INCD IMT Bucuresti. https://cursbnr.nxm.ro/data/21-02-2020 (1 Dolar SUA= 4,44 Lei) In cadrul acestui proiect in afara protectiei balistice a fost studiata si implementata o solutie inovativa de ecranare electromagnetica a incarcaturilor explozive artizanale si intrerupere a sistemului de radiocomunicatii intre atacatori si dispozitivele de comanda a detonarii. Cercetarile efectuate asupra sistemelor ce pot fi folosite respectiv domeniilor de frecventa au condus la definirea parametrilor si elaborarea materialelor radioabsorbante (atat vopseluri cat si materiale plastice) dezvoltate pentru astfel de aplicatii. Cercetarile, determinarile si masuratorile efectuate au demonstrat obtinerea unor atenuari ale semnalului de 30 dB-40dB si sunt prezentate si intr-unul dintre articolele pe care le-am considerat reprezentative. Faptul ca nu s-a facut o specificare directa la scopul lor a fost generat de cerinta expresa a beneficiarului care a considerat ca odata cunoscuta aceasta proprietate a panourilor persoanele cu intentii malitioase vor cauta cai alternative pentru a detona incarcaturile explozive. Proiect obtinut prin competitie pe SEAP (au participat ofertanti precum ISS,	T = 0.5 ani	5

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		ACTTM etc)		
		GEREMP. „Muniție cu impuls electromagnetic” Contract 01 PSCD 2024 Proiect obținut prin concurs pe axa Solutii pentru Ministerul Apararii Nationale	T=1,5 ani	15
		Total Partial A 2.4.1.1 si A 2.4.1.2		95
Membre în echipă	A2.4.2.1.	Internaționale - PROBA-3 ASPIICS OPSE HARDWARE – Contract No. 4000111522 / 14 / NL / GLCESA OPSE, ANEXA 2 Contract cu valoare incusata 450000 Euro (2016-2023) https://www.eoportal.org/satellite-missions/proba-3 „Arm neuroprosthesis equipped with artificial skin and sensorial feedback”, EEA-RO-NO-2018-0390 Call name: EEA Grants - Proiecte Colaborative de Cercetare EEA-RO-NO-2018-0390 2019 – 2023 https://www.armin-see.eu „Accelerating Innovation in Microfabricated devices”-Moore4Medical CodSMIS2014+:137529 Contract 15/1.1.3H/390018/19.03.2021 „Power Grid Modernization towards a More Stable Future-SuPriM”, case 2021/332778-IMT Bucharest and 2021/336905 -Universitetet I Sorøst-Norge - Supercapacitors for Power Grid Modernization towards a More Stable Future-SuPriM, EEA and Norwegian Financial Mechanisms - Energy Programme in Romania/ Renewable energy, energy efficiency and energy security. Contract EEA 332778 - NerveRepack. Intelligent neural system for bidirectional connection with exoprostheses and exoskeletons https://www.nerverepack.eu/about-the-project	4 * ani desfășurare T= 7 ani T = 4 ani T=2ani T=2ani T=2ani T=4ani 2 * ani desfășurare T = 2 ani T = 2 ani T = 2 ani T = 2 ani	28 16 8 8 8 16 4 4 4 4
	A2.4.2.2.	Naționale - 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 Formă Și Deorbitarea Reziduurilor Din Spațiu (Oasys)” „Metoda și dispozitiv de testare la domiciliu pentru detectarea precoce a virusului SARS-CoV-2”.Proiect finantat în cadrul PNIII, Programul 2- Creșterea competitivității economiei românești prin cercetare-dezvoltare și inovare, domeniul de prioritate publică “Sănătate”, Competiția SOLUȚII -2020 -I.Contract Nr. 13Sol/15.06.2020 „Tehnologii suport de realizare a arilor 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, „SAW Microsensors New Technologies for Specific Space ConditionsCall name: P 2 -SP 2.1” - Proiect experimental –demonstrative PN-III-P2-2.1-PED-2016-1653 2017 – 2018 http://www.irit.ro/saw-meteoritics/		4

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 http://www.imt.ro/EcoReclama/	T = 0.5 ani	1
6. „Developing quantum information and quantum technologies in RomaniaCall name: P 1 - SP 1.2”- Proiecte complexe realizate in consorții CDI PN-III-P1-1.2-PCCDI-2017-0338 2018 – 2021 https://roqnet.ro/quitech-ro/	T = 2 ani	4
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	T = 2 ani	4
8. „Nanostructured carbon based materials for advanced industrial applicationsCall name: P 1 - SP 1.2” - Proiectecomplexrealizate in consorții CDIPN-III-P1-1.2-PCCDI-2017-0619 http://www.imt.ro/nanocarbon+/	T = 3 ani	6
9. „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.	T = 0.5 ani	1
10. „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.;	T = 0,5 an	1
11. „Dispozitiv electrochimic modular pentru stocarea de sarcina Multi-celled electrochemical STOrage Devices Call name: P 2 - SP 2.1” - Proiect experimental – demonstrativPN-III-P2-2.1-PED-2019-4146 2019 - 2021	T = 2 ani	4
12. „Range Of Image Optical Systems With Zoom For Mwir Spectral Field With Security ApplicationsCall name: P 2 - SP 2.1” - Proiect de transfer la operatorul economicPN-III-P2-2.1-PTE-2019-0465 2020 - 2022	T = 2 ani	4
Total Partial A2.4.2.1 si A2.4.2.2		220
TOTAL A2		985.6349

⁶ Nu se consideră în această categorie proiecte/granturi care nu prezintă un caracter predominant de cercetare. Se consideră numai proiecte/granturi relevante pentru profilul postului scos la concurs / domeniul de abilitare. Candidatul va atașa documente care să demonstreze caracterul de cercetare al proiectului.

	P ; Yoon, J; Dodda, JM ; <i>Smart Skin-Adhesive Patches: From Design to Biomedical Applications</i>; Advanced Functional Materials, Volume33 Issue14 https://doi.org/10.1002/adfm.202213560 Published APR 2023 WOS:000919115500001 https://1p10g4xmj-y-https-onlinelibrary-wiley-com.z.e-nformation.ro/doi/10.1002/adfm.202213560				
	6. Lucrare care citeaza: Roy, AC; Kumar, N; Subramanya, SB; Gupta, A; Kumar, A; Bid, A; Venkataraman, V , <i>Large-Area 3D Printable Soft Electronic Skin for Biomedical Applications</i>, ACS BIOMATERIALS SCIENCE & ENGINEERING Volume8, Issue12, Page5319-5328 DOI10.1021/acsbmaterials.2c00241, WOS:000834347400001 PublishedDEC 12 2022 https://1p1104xuh-y-https-pubs-acsc-org.z.e-nformation.ro/doi/10.1021/acsbmaterials.2c00241 https://doi.org/10.1021/acsbmaterials.2c00241			Nr.aut=8 Q2	2
	7. Lucrare care citeaza: Huang, TY ; Lim, HL, <i>Electrogenic Staphylococcus warneri in lactate-rich skin</i>, BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONSVolume 618 Page67-72 DOI10.1016/j.bbrc.2022.06.020, Published AUG 27 2022 https://doi.org/10.1016/j.bbrc.2022.06.020 WOS:000827684400010 https://1p10c4xva-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/pii/S0006291X22008610?via%3Dihub			Nr.aut=8	1
	8. Lucrare care citeaza: Yi, MK ; Lee, WK; Hwang, SO A Human Activity Recognition Method Based on Lightweight Feature Extraction Combined With Pruned and Quantized CNN for Wearable Device <i>IEEE TRANSACTIONS ON CONSUMER ELECTRONICS Volume69 Issue3 Page657-670 Published AUG 2023</i> DOI10.1109/TCE.2023.3266506 ISSN 0098-3063, WOS:001049985800037 https://251069cmc-y-https-ieeeexplore-ieee-org.z.e-nformation.ro/document/10100934			Nr.aut=8 Q2	2
	9. Lucrare care citeaza: Gao, S; Cui, ZL ; Wang, XL; Sun, XY , Liquid metal E-tattoo, SCIENCE CHINA-TECHNOLOGICAL SCIENCES, Source Volume 66 Issue6 Page1551-1575 Published JUN 2023 DOI 10.1007/s11431-022-2301-0 ISSN 1674-7321; WOS:000994101500003 https://2510g9cmm-y-https-link-springer-com.z.e-nformation.ro/article/10.1007/s11431-022-2301-0			Nr.aut=8 Q2	2
	10. Lucrare care citeaza Chugh, V; Basu, A; Kaushik, A; Basu, AK, E-skin-Based advanced wearable technology for Health Management CURRENT RESEARCH IN BIOTECHNOLOGY, Volume5 Article Number 100129 Published 2023			Nr.aut=8	1

		DOI10.1016/j.crbiot.2023.100129, ISSN 2590-2628, WOS:001007501900001 https://2510a9cog-y-https-www-sciencedirect-com.z.e-information.ro/science/article/pii/S2590262823000114?via%3Dihub		
		11. Lucrare care citeaza: Song, RQ ; Ren, P ; Liu, YX ; Zhu, Y; Dong, JY; O'Connor, BT , Stretchable Organic Transistor Based Pressure Sensor Employing a Porous Elastomer Gate Dielectric ADVANCED MATERIALS TECHNOLOGIES, Volume8 Issue14 Published JUL 2023 DOI10.1002/admt.202202140 ISSN 2365-709X, WOS:000975776000001 https://1p10g4xmj-y-https-onlinelibrary-wiley-com.z.e-information.ro/doi/10.1002/admt.2022021401	Nr.aut=8 	2
		12. Lucrare care citeaza: Fapanni, T ; El Bidweihy, H ; Zappa, D ; Comini, E ; Sardini, E; Serpelloni, M <i>Evaluation of the Curing Process Effects on the TCR of Temperature Sensors Printed by Aerosol Jet Printing. Volume23, Issue15, Page16625-16632, Published AUG 1 2023 DOI10.1109/SEN.2023.3283797 ISSN 1530-437X, WOS:001044265000019</i> https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=10149196	Nr.aut=8 Q2	2
		13. Lucrare care citeaza Lai, ZH; Xu, JC; (...); Zhou, SX Self-powered and self-sensing devices based on human motion, Joule, Volume6, Issue7, Page1501-1565 DOI10.1016/j.joule.2022.06.013 WOS:000878821400002 https://2510qbyfg-y-https-www-webofscience-com.z.e-information.ro/wos/woscc/full-record/WOS:000878821400002	Nr.aut=8 	2
		Lucrare citata Iliescu F, Hong L.T. , Toh JM, , Sucheana MP, Ionescu O, Iliescu C. Early Notice Pointer, an IoT-like Platform for Point-of-Care Feet and Body Balance Screening, Journals Micromachines, Volume 13, Issue 5, 10.3390/mi13050682, 13(5), 682; https://doi.org/10.3390/mi13050682 (registering DOI), ISSN: 2072-666X https://www.mdpi.com/2072-666X/13/5/682 WOS:000802457100001	N. aut = 6	
		14. Lucrare care citeaza Xu, YF; Ning, HH; (...); Liu, JJ, Portable Multi-Channel Electrochemical Device with Good Interaction and Wireless Connection for On-Site Testing, Micromachines, Volume14 Issue1 Article Number 142 Published JAN 2023 DOI10.3390/mi14010142 eISSN 2072-666X, WOS:000916372600001 https://www.mdpi.com/2072-666X/14/1/142	N. aut = 6 Q2	2.66

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		Lucrare citata Tudose, I., Mouratis, K., Ionescu, O., Romanitan, C., Pachiu, C., Tutunaru O, Suche, M., Koudoumas, E, <i>Comparative Study of Graphene Nanoplatelets and Multiwall Carbon Nanotubes-Polypropylene Composite Materials for Electromagnetic Shielding</i>, Nanomaterials 2022, 12(14), 2411; https://doi.org/10.3390/nano12142411, https://www.mdpi.com/2079-4991/12/14/2411 WOS:000832338000001	Nr.aut=8	
		15. Lucrare care citeaza Hong, GH; Qu, Q; (...); Liu, YX, Epiphyte-inspired multifunctional biocomposites for electromagnetic interference shielding, Chemical Engineering Journal, Volume 469, Article Number 143960 Published AUG 1 2023 DOI10.1016/j.cej.2023.143960 ISSN 1385-8947, WOS:001025770200001 https://2510a9fsn-y-https-www-sciencedirect-com.z.e-nformation.ro/science/article/pii/S1385894723026918?via%3Dihub	Nr.aut=8 Q2	2
		16. Lucrare care citeaza Fateixa, S; Landauer, M; (...); Bohm, R, Additive Manufacturing-Enabled Architected Nanocomposite Lattices Coated with Plasmonic Nanoparticles for Water Pollutants Detection, Macromolecular Materials and engineering, JUN 2023 DOI10.1002/mame.202300060 ISSN 1438-7492, WOS:001000013300001 https://2510b9fsr-y-https-onlinelibrary-wiley-com.z.e-nformation.ro/doi/10.1002/mame.202300060	Nr.aut=8 Q2	2
		17. Lucrare care citeaza Kruzalak, J; Kvasnicakova, A; (...); Hudec, I; Experimental investigation of absorption shielding efficiency of rubber composites, Polymer Bulletin, Early Access JAN 2023 DOI10.1007/s00289-023-04684-x ISSN 0170-0839, WOS:000920828500001 https://2510g9fsw-y-https-link-springer-com.z.e-nformation.ro/article/10.1007/s00289-023-04684-x	Nr.aut=8	1
		Lucrare citata Tudose, I., Mouratis, K., Ionescu, O., Romanitan, C., Pachiu, C., Picop E, M., Khomenko, V., Butenko, O., Chernysh, O., Kenanakis, G., Barsukov, V., Suche, M., Koudoumas, E, Carbon Allotropes-Based Paints and Their Composite Coatings for Electromagnetic Shielding ApplicationsNanomaterials 2022, 12(11), 1839; https://doi.org/10.3390/nano12111839, https://www.mdpi.com/2079-4991/12/11/1839 WOS:000809110600001	N. aut = 13	
		18. Lucrare care citeaza Cinan, ZM A theoretical focus on nanoparticle attenuation capabilities for potential utilizations in radiation protect: TiO2-SiO2-Fe3O4-B4C-AI2O3, Physica Scripta Volume98 Issue 8 Article Number 085315 Published AUG 1 2023	N. aut = 13 Q2	1.23

		DOI10.1088/1402-4896/ace8d3 ISSN 0031-8949, WOS:001039970600001 https://2510w9ft6-y-https-iopscience-iop-org.z.e-nformation.ro/article/10.1088/1402-4896/ace8d3		
		19. Lucrare care citeaza Jin, XA; Lu, Y; (...); Wang, SS; Synthesis and Application of Ion-Exchange Magnetic Microspheres for Deep Removal of Trace Acetic Acid from DMAC Waste Liquid, Nanomaterials, Volume13 Issue3, Article Number 509, Published FEB 2023 DOI10.3390/nano13030509 eISSN 2079-499, WOS:000932885200001 https://www.mdpi.com/2079-4991/13/3/509	N. aut = 13 	1.23
		20. Lucrare care citeaza Yoo, J and Lee, S, Experimental Study on Electromagnetic Shielding Characteristics of a Fe-Based Amorphous Soft Magnetic Composite Applied Science Basel, Volume12 Issue12 Article Number 6158 Published JUN 2022 DOI10.3390/app12126158 eISSN 2076-3417, WOS:000817654100001 https://www.mdpi.com/2076-3417/12/12/6158	N. aut = 13	0.615
		Lucrare citata Tudose, I., Mouratis, K., Ionescu, O., Romanitan, C., Pachi, C., Popescu, M., Khomenko, V., Butenko, O., Chernysh, O., Kenanakis, G., Barsukov, V., Suchea, M., Koudoumas, E., M. Novel Water-Based Paints for Composite Materials Used in Electromagnetic Shielding Applications in 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	N. aut = 13	
		21. Lucrare care citeaza: Gul, N Oztoprak, BG, <i>Investigation of electrical and electromagnetic properties of quartz fiber reinforced polymer composite material by using modified paints with carbon nanoparticles (graphene/double-walled carbon nanotube)</i> , Journal of Composite Materials Volume56 Issue19 Page3013-3027 Article Number 00219983221099332 Published AUG 2022 DOI10.1177/00219983221099332 ISSN 0021-9983, WOS:000800554000001 https://251199f42-y-https-journals-sagepub-com.z.e-nformation.ro/doi/10.1177/00219983221099332	N. aut = 13 Q2	1.23
		22. Lucrare care citeaza: Bontas, MG; Diacon, A; (...); Rusen, E, <i>Epoxy Coatings Containing Modified Graphene for Electromagnetic Shielding</i> , Polymers, Volume14 Issue12 Article Number 2508 Published JUN 2022	N. aut = 13 	1.23

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		23. Lucrare care citeaza: Wu, LJ; Chen, ML; (...); Zhu, WK, Nano-SiO ₂ -Modified Waterborne Acrylic Acid Resin Coating for Wood Wallboard, COATINGS, Volume12 Issue10, Article Number 1453, Published OCT 2022 DOI10.3390/coatings12101453 eISSN 2079-6412 WOS:000872335900001 https://www.mdpi.com/2079-6412/12/10/1453	N. aut = 13	0.61
		24. Lucrare care citeaza: Osman, AF; El Balaa, H; (...); Badawi, MS, <i>Assessment of X-ray shielding properties of polystyrene incorporated with different nano-sizes of PbO</i> , Radiation and Environmental Biophysics, Volume62 Issue2 Page235-251 Published MAY 2023 DOI10.1007/s00411-023-01017-4 ISSN 0301-634X, WOS:000953667000002 https://2510g9f4q-y-https-link-springer-com.z.e-nformation.ro/article/10.1007/s00411-023-01017-4	N. aut = 13	0.61
		25. Lucrare care citeaza: Chutia, S and Phukan, K, Liquefied petroleum gas sensing activity of betel nut fiber-polyaniline conducting composites synthesized by time-controlled in situ polymerization, Journal of Applied Polymer Science, Volume140 Issue28 Published JUL 20 2023 DOI10.1002/app.54037 ISSN 0021-8995, WOS:000982500600001 https://2510b9f4y-y-https-onlinelibrary-wiley-com.z.e-nformation.ro/doi/10.1002/app.54037 cf. chl rt tk=UyZINX5eHgZDVbIUfV7t5uagE OILUKYpWvnaKbj8SN8-1695968112-0-gaNyGzNCzs	N. aut = 13 Q2	1.23
		Lucrare citata Pircalabioru, G., Iliescu, F., Mihaescu, G., Cucu, I., Ionescu, O., Popescu, M., Simion, M., Burlibasa, L., Tica, M., Chifiriuc, M., Iliescu, C., „Advances in the rapid diagnostic of viral respiratory tract infections” in Frontiers in Cellular and Infection Microbiology, section Clinical Microbiology, Volume12 Article Number807253 DOI10.3389/fcimb.2022.807253 PublishedFEB 10 2022, Indexed2022-03-28Document TypeReviewEdited by: Luc Bissonnet WOS:000766909600000 https://www.frontiersin.org/articles/10.3389/fcimb.2022.807253/full WOS:000766909600000	N. aut = 11	
		25. Lucrare care citeaza Nieves, O, de Zárata, DO; (...); Griol, A, Development of Photonic Multi-Sensing Systems Based on Molecular Gates Biorecognition and Plasmonic Sensors: The PHOTONGATE Project, Sensors, Volume23Issue20 DOI10.3390/s23208548 WOS:001092651400001 https://www.mdpi.com/1424-8220/23/20/8548	N. aut = 11 Q2	1.74

		26. Lucrare care citeaza Liu, QQ; Jin, XJ; (...); Dai, YZ, Advances in the application of molecular diagnostic techniques for the detection of infectious disease pathogens (Review), Molecular Medicine Reports, Volume27 Issue5 Article Number 104 Published MAY 2023 DOI10.3892/mmr.2023.12991 ISSN 1791-2997 WOS:000970527300001 https://www.spandidos-publications.com/10.3892/mmr.2023.12991	N. aut = 11	0.72
		27. Lucrare care citeaza Lubin, IM; Astles, JR; (...); De Jesus, VR, The Clinical Laboratory Is an Integral Component to Health Care Delivery : An Expanded Representation of the Total Testing Process American Journal of Clinical Phology Volume160 Issue2 Page124-129 Published AUG 1 2023 Early Access APR 2023 DOI10.1093/ajcp/aqad038 ISSN 0002-9173, WOS:000977152800001 https://academic.oup.com/ajcp/article/160/2/124/7146178?login=false	N. aut = 11	1.74
		28. Lucrare care citeaza Bayart, JL; Gillot, C; (...); Douxfils, J; Clinical performance evaluation of the Fluorecare SARS-CoV-2 & Influenza A/B & RSV rapid antigen combo test in symptomatic individuals, Journal of Clinical Virology, Volume161, Article Number 105419 Published APR 2023 DOI10.1016/j.jcv.2023.105419 ISSN 1386-6532 , WOS:000955210100001 https://2510a9fsn-y-https-www-sciencedirect-com.z-e-information.ro/science/article/pii/S1386653223000410?via%3Dihub	N. aut = 11	1.74
		29. Lucrare care citeaza Kim, KJ; Yun, SG; (...); Lee, CK, Usefulness of Combining Sputum and Nasopharyngeal Samples for Viral Detection by Reverse Transcriptase PCR in Adults Hospitalized with Acute Respiratory Illness, Microbiology Spectrum, Volume10 Issue 6 Published DEC 21 2022 DOI10.1128/spectrum.02775-22 ISSN 2165-0497, WOS:000885169700001 https://journals.asm.org/doi/10.1128/spectrum.02775-22	N. aut = 11	1.74
		30. Lucrare care citeaza Huang, HT; Huang, KS; (...); Dong, C, A Digital Microfluidic RT-qPCR Platform for Multiple Detections of Respiratory Pathogens, Micromachines, Volume13 Issue10, Article Number 1650, Published OCT 2022, WOS:000873269000001 DOI10.3390/mi13101650 eISSN 2072-666X https://www.mdpi.com/2072-666X/13/10/1650	N. aut = 11 Q2	1.74
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		<i>Sensors</i>, <i>Sensors</i> 2021, 21(6), 2075; WOS:000652715000001 https://doi.org/10.3390/s21062075https://www.mdpi.com/1424-8220/21/6/2075/pdf		
		31. Lucrare care citeaza <i>Eom, H., Roh, J., Hariyani, Y., Baek, S., Lee, S., Kim, S., Park, C., Deep Learning-Based Optimal Smart Shoes Sensor Selection for Energy Expenditure and Heart Rate Estimation”, SENSORS, Volume 21, Issue 21, Article Number 7058, DOI: 10.3390/s21217058, Published NOV 2021, Indexed 2021-11-26</i> https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/ WOS:000719497400001	Nr.aut=6 Q2	2.6
		32. Lucrare care citeaza <i>Brophy, E., De Vos, M., Boylan, G., Ward, T., „Estimation of Continuous Blood Pressure from PPG via a Federated Learning Approach”, SENSORS, Volume 21, Issue 18, Article Number 6311, Published SEP 2021, Indexed 2021-10-06</i> DOI:10.3390/s21186311, WOS:000700111200001 https://pubmed.ncbi.nlm.nih.gov/34577518/	Nr.aut=6 Q2	2.6
		33. Lucrare care citeaza <i>Sun, ST; Xv, JL; Wang, CY, Development of a Smart Clinical Bluetooth Thermometer Based on an Improved Low-Power Resistive Transducer Circuit, SENSORS, Volume 22 Issue 3 Article Number 874 Published FEB 2022</i> DOI:10.3390/s22030874 eISSN 1424-8220 WOS:000754827300001 https://www.mdpi.com/1424-8220/22/3/874	Nr.aut=6 Q2	2.6
		34. Lucrare care citeaza <i>Guo, JQ; Wan, BX; Zheng, SY ; Song, AH ; Huang, WS , A Teenager Physical Fitness Evaluation Model Based on ID-CNN with LSTM and Wearable Running PPG Recordings, BIOSENSORS-BASEL, Volume 12 Issue 4 Article Number 202 Published APR 2022</i> DOI 10.3390/bios12040202, eISSN 2079-6374, WOS:000785170700001 https://www.mdpi.com/2079-6374/12/4/202	Nr.aut=6 Q2	2.6
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		77. Lucrare care citeaza Choudhary, RB and Kumar, S; Optimum chemical states and localized electronic states of SnO2 integrated PTh-SnO2 nanocomposites as excelling emissive layer (EML); OPTICAL MATERIALS; Volume131 Article Number 112736 Published SEP 2022 DOI10.1016/j.optmat.2022.112736 ISSN 0925-3467 WOS:000831083600005 https://2510a9i19-y-https-www-sciencedirect-com.z.e-information.ro/science/article/abs/pii/S0925346722007704?via%3Dihub	N. aut.=9	0.88
		78. Lucrare care citeaza: Krishnapandi, A; Selvi, SV; (...); Sambasivam, S; Flexible and water-soluble polythiophene carboxylate for selective appraisal of acebutolol in aqueous samples; Reactive&FUNCTIONAL POLYMERS; Volume185, Article Number 105538 Published APR 2023 DOI10.1016/j.reactfunctpolym.2023.105538 ISSN 1381-5148 WOS:000946127100001 https://2510a9i19-y-https-www-sciencedirect-com.z.e-information.ro/science/article/abs/pii/S138151482300041X?via%3Dihub	N. aut.=9 Q2	1.77
		79. Lucrare care citeaza Adedaja, OS; Sadiku, ER and Hamam, Y; Prospects of Hybrid Conjugated Polymers Loaded Graphene in Electrochemical Energy Storage Applications; Journal of Inorganic and Organometallic Polymers and Materials; MAY 2023 Indexed 2023-05-24 DOI10.1007/s10904-023-02664-2 ISSN 1574-1443, WOS:000980406400003	N. aut.=9	0.88

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		81. Lucrare care citeaza Meenatchi, GK and Velraj, G NanoCeO(2)/conducting polymer based composite electrodes for high performance supercapacitor; <i>International Journal of Material Research; Volume114 Issue 6 Page 496-504 Published JUN 27 2023</i> DOI10.1515/ijmr-2022-0153 ISSN 1862-5282 WOS:000993534400001 https://2510g912k-y-https-www-degruyter-com.z.e-nformation.ro/document/doi/10.1515/ijmr-2022-0153/html https://2510qan6y-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000993534400001	N. aut.=9	0.88
		82. Lucrare care citeaza: Meenatchi, GK and Velraj, G; Synthesis and characterisation of nickel oxide-carboxylated multiwalled carbon nanotube polymer nanocomposites; <i>Journal of Material Science- Materials in Electronics; Volume34 Issue23 Article Number 1686 Published AUG 2023</i> DOI10.1007/s10854-023-11001-9 ISSN 0957-4522 WOS:001050385700001 https://2510g91x-y-https-link-springer-com.z.e-nformation.ro/article/10.1007/s10854-023-11001-9	N. aut.=9	0.88
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		Lucrare citata 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 DOI:	N. aut = 5	

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Lucrare citată: Cobianu, C, Nastase, F., Dumbravescu N., Buiu, O., Serban, B., Danila, M., Gavrilă, R., Ionescu, O. , Romanitan, C., <i>Effect of Silicon Surface Cleaning on Electrical Properties of As-Deposited Atomically Layer-Deposited (ALD) HfO2 Films Obtained From Tetraakis(dimethylamino)hafnium (TDMAH) and Water</i> ”, Romanian Journal Of Information Science And Technology, Volume: 22 Issue: 1 Pages: 41-56, Published: 2019 ISSN 1453-8245 WOS:000469865900004 https://apps-webkitknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=SourceByDais&qid=1&SID=D4p95UrrMQ7hDzkZHkTk&page=1&doc=1		N. aut. =9	
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100. Lucrarea care citeaza: Veed, A., Ejub, G., Djongyang, N., „<i>Study of the optoelectronic and piezoelectric properties of ZrO₂ doped PVDF from quantum chemistry calculations</i>” Chinese Journal Of Physics, Volume: 63 , Pages: 213-219 , Published: FEB 2020 DOI10.1016/j.cjph.2019.10.022, ISSN 0577-9073 WOS:000508893300022 https://apps-webofknowledge-com.am.e-information.ro/CitingArticles.do?product=WOS&REFID=593393556&SID=C2e2h2LN71bGEAKkOWZ&search_mode=CitingArticles&parentProduct=WOS&parentQid=137&parentDoc=1&excludeEventConfig=ExcludelfFromFullRecPage	N. aut. = 8	1
101. Lucrarea care citeaza: Homocianu, M., Pascariu, P., „<i>Electrospun Polymer-Inorganic Nanostructured Materials and Their Applications</i>” Polymer Reviews Volume: 60 Issue: 3 Pages: 493-541 Published: JUL 2 2020 DOI10.1080/15583724.2019.1676776, ISSN 1558-3724 WOS:000494150400001 https://apps-webofknowledge-com.am.e-information.ro/CitingArticles.do?product=WOS&REFID=593393556&SID=C2e2h2LN71bGEAKkOWZ&search_mode=CitingArticles&parentProduct=WOS&parentQid=137&pa	N. aut. = 8	2

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108. Lucrare care citeaza: Shin, J; Noh, S; (...); Kim, JS; <i>Structural and Optical Properties of InN Nanowires Formed on Si(111); Applied Science and Convergence Technology; Volume31 Issue6 Page141-144 Published NOV 2022</i> DOI10.5757/ASCT.2022.31.6.141 ISSN 2288-6559 http://www.e-asct.org/journal/view.html?doi=10.5757/ASCT.2022.31.6.141	N. aut. = 8	1
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110. Lucrare care citeaza Besleaga, C., Galca, A., Miclea, C., et al „Physical properties of AlxIn1-xN thin film alloys sputtered at low temperature”, Journal Of Applied Physics, Volume: 116 , Issue: 15 , Article Number: 153509, Published: OCT 21 2014 DOI:10.1063/1.4898565 ISSN 0021-8979, WOS:000344345400018 https://apps-webofknowledge-com.am.e-information.ro/CitingArticles.do?product=WOS&REFID=462868047&SID=C2e2h2LN71bGEAKkOWZ&search_mode=CitingArticles&parentProduct=WOS&parentQid=146&parentDoc=1&excludeEventConfig=ExcludeFromFullRecPage Lucrare citată: Ionescu, O., Ionescu, G., Minescu, M., Nae, I., „Research On Life Prolongation For Temperature Sensors Placed In Highly Erosive Environment”, Journal Of The Balkan Tribological Association, Volume: 19 Issue: 2 Pages: 214-220 Published: 2013, https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN71bGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000321796300005	N. aut. = 8 Q2	2	
111. Lucrare care citeaza Panaitescu, C., Petrescu, M., „Research About the Corosive Effects of FeCl3 in the Aeration Wastewater Basin”, Conference: 9th International Conference on Tribology (Balkantrib) Location: TURKEY Date: SEP 13-15, 2017 9TH INTERNATIONAL CONFERENCE ON TRIBOLOGY (BALKANTRIB'17) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 295 Article Number: UNSP 012039 Published: 2018 DOI:10.1088/1757-899X/295/1/012039, ISSN 1757-8981 WOS:000448617300039 https://apps-webofknowledge-com.am.e-information.ro/CitingArticles.do?product=WOS&REFID=455298281&SID=C2e2h2LN71bGEAKkOWZ&search_mode=CitingArticles&parentProduct=WOS&parentQid=155&parentDoc=1&excludeEventConfig=ExcludeFromFullRecPage 112. Lucrare care citeaza Ripeanu, R., Minescu, M., Nita, C., „A Wear Behaviour Of Antifriction Coatings Applied At Parallel Gate Valves, Journal Of The Balkan Tribological Association Volume: 22 Issue: 1 Pages: 240-249 Published: 2016 ISSN 1310-4772 WOS:000374619000023, https://apps-webofknowledge-com.am.e-information.ro/CitingArticles.do?product=WOS&REFID=455298281&SID=C2e2h2LN71	N. aut. = 4	2	

bGEAKkOWZ&search_mode=CitingArticles&parentProduct=WOS&parentQid=155&parentDoc=1&excludeEventConfig=ExcludeFromFullRecPage		
113. Lucrare care citeaza Dudu, C; Drumeanu, AC; (...); Dinita, A, Some considerations regarding the influence of working conditions on the corrosion wear of the injection water treatment plant equipment INTERNATIONAL CONFERENCE ON TRIBOLOGY (ROTRIB'19) Volume724 Book Series IOP Conference Series-Materials Science and Engineering DOI10.1088/1757-899X/724/1/012033 WOS:000619349400033 https://2510qbyfg-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000619349400033	N. aut. = 4	2
114. Lucrare care citeaza Hagianu, A; Nae, I; (...); Ripeanu, RG Research on mechanical and geometrical characteristics of materials used for flexible tubing production, INTERNATIONAL CONFERENCE ON TRIBOLOGY (ROTRIB'19) Volume724 Book Series IOP Conference Series-Materials Science and Engineering DOI10.1088/1757-899X/724/1/012004 WOS:000619349400004 https://2510qbyfg-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000619349400004	N. aut. = 4	2
Lucrare citata Ionescu, O., Ionescu, G., Minescu, M., Nae, I.,,Studies On Wear Protection Of Humidity Sensor In A Sand Drying Plant, Journal Of The Balkan Tribological Association"Volume: 18 Issue: 1 Pages: 51-57,Published: 2012, WOS:000302843400006 STUDIES ON WEAR PROTECTION OF HUMIDITY SENSOR IN A SAND DRYING PLANT-Web of Science Core Collection (e-nformation.ro)	N. aut. = 4	
115. Lucrare care citeaza Misirli, C., Sahin, M., Yildirim, B.,,Properties Analysis Of The Spray Nozzles In Drying Plant" Journal Of The Balkan Tribological Association , Volume: 21 , Issue: 3 , Pages: 469-484 , Published: 2015 ISSN 1310-4772 WOS:000363091500001 https://apps-webofknowledge-com.am.e-nformation.ro/CitingArticles.do?product=WOS&REFID=431166003&SID=C2e2h2LN	N. aut. = 4	2

71bGEAKkOWZ&search_mode=CitingArticles&parentProduct=WOS&parentQid=186 &parentDoc=1&excludeEventConfig=ExcludelfFromFullRecPage		
Lucrare citată: Ionescu, G., Ionescu, O., Popovici, S., Costea, S., Dumitru, V., Brezeanu, M., Stan, G., Pasuk, I., „Wireless ALN sensor for condition based monitoring of industrial equipment”, International Semiconductor Conference (CAS), VOLS 1-2, Book Group Author(s):IEEE, Book Series: International Semiconductor Conference, Pages: 55-58, Published: 2013, https://apps-webkitknowledge-com.am.e-nformation.ro/inboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webkitknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN71bGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000330180800011	N. aut. = 8	
116. Lucrare care citeaza: Besleaga, C., Dumitru, V., Trinca, L., et al., „Mechanical, Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure”, Nanomaterials, Volume: 7, Issue: 11, Article Number: 394, Published: NOV 2017 DOI10.3390/nano7110394, ISSN 2079-4991 WOS:000416783800049 https://apps-webkitknowledge-com.am.e-nformation.ro/CitingArticles.do?product=WOS&REFID=463930059&SID=C2e2h2LN71bGEAKkOWZ&search_mode=CitingArticles&parentProduct=WOS&parentQid=164&parentDoc=1&excludeEventConfig=ExcludelfFromFullRecPage	N. aut. = 8 2Q2	2
117. Lucrare care citeaza: Ionescu, G., Nae, I., Ripeanu, R., et al., „Studies on Tribological Behavior of Aluminum Nitride-Coated Steel” Conference: 13th International Conference on Tribology (ROTRIB) Location: Galati, ROMANIA Date: SEP 22-24, 2016 13TH INTERNATIONAL CONFERENCE ON TRIBOLOGY (ROTRIB'16) Book Series: IOP Conference Series- Materials Science and Engineering Volume: 174 Article Number: UNSP 012052 Published: 2017 DOI10.1088/1757-899X/174/1/012052 ISSN1757-8981 WOS:000399753500052 https://apps-webkitknowledge-com.am.e-nformation.ro/CitingArticles.do?product=WOS&REFID=463930059&SID=C2e2h2LN71bGEAKkOWZ&search_mode=CitingArticles&parentProduct=WOS&parentQid=164&parentDoc=1&excludeEventConfig=ExcludelfFromFullRecPage	N. aut. = 8	1

Pa 1

118. Lucrare care Citeaza Hagianu, A; Nae, I; (...); Ripeanu, RG , Research on mechanical and geometrical characteristics of materials used for flexible tubing production, INTERNATIONAL CONFERENCE ON TRIBOLOGY (ROTRIB'19) Volume724 Book Series IOP Conference Series-Materials Science and Engineering DOI10.1088/1757-899X/724/1/012004 https://2510wbyuz-v-https-iopscience-iop-org.z.e-nformation.ro/article/10.1088/1757-899X/724/1/012004 WOS:000619349400004	N. aut. = 8 I
Lucrare citată: Ionescu, O., Pricop, E., „On the design of a system for airport protection against terrorist attacks using” MANPADs, Ieee International Conference On Systems, Man, And Cybernetics (SMC 2013) Book Group Author(s):IEEE Book Series: IEEE International Conference on Systems Man and Cybernetics Conference Proceedings, Pages: 4778-4782, DOI: 10.1109/SMC.2013.813,,Published: 2013 https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RR C&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsPr oductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000332201904156	N. aut. = 2 4
119. Lucrare care citeaza: Rosca, C., Paraschiv, N.,Frequency sampling algorithm applied in microwave measurementsConference: 21st International Conference on System Theory, Control and Computing (ICSTCC) Location: Sinaia, ROMANIA Date: OCT 19-21, 2017 21ST INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) Book Series: International Conference on System Theory Control and Computing Pages: 328-333 Published: 2017 ISSN 2372-1618 WOS:000427419900053 https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=CitingArticles&IsProductCode=Yes&Init=Yes&viewType=summary&action=search&UT=WOS%3A000332201904156	N. aut. = 2 4
Lucrare citată: Ionescu, G., Ionescu, O., Antonescu, N., Nae, I., „New Image Processing Based Method For Automated Welding Technology”, Journal Of The Balkan Tribological Association, Volume: 16 Issue: 2 Pages: 189-196, Published: 2010 https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RR C&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsPr oductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000280725400003	N. aut. = 4 4

		120. Lucrare care citeaza Ginghina, R., Tigănescu, T., Iorga, G., et al., <i>Influence Of Controlled Smelting Conditions On The Inclusional State Of Some Maraging Steels</i> "University Politehnica Of Bucharest Scientific Bulletin Series B-Chemistry And Materials Science Volume: 82 Issue: 2 Pages: 175-184 Published: 2020 ISSN 1454-2331 WOS:000550842800016 https://apps-wofknowledge-com.am.e-information.ro/CitingArticles.do?product=WOS&REFID=336401428&SID=C2e2h2LN71bGEAKkOWZ&search_mode=CitingArticles&parentProduct=WOS&parentQid=193&parentDoc=1&excludeEventConfig=ExcludeFromFullRecPage	N. aut. = 4	2
		Lucrare citata Marinescu, R., Șerban, B., Cobianu, C., Dumbrăvescu, N., Ionescu, O., Buiu, O., Ghiculescu, L., 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 https://www.scientificbulletin.upb.ro/rev_docs_arhiva/rez5ae_106907.pdf WOS:000627764100004	N. aut = 7	
		121. Lucrare care citeaza Serban, BC; Buiu, O; (...): <i>Comanescu, F, Ternary Holey Carbon Nanohorns/TiO2/PVP Nanohybrids as Sensing Films for Resistive Humidity Sensors</i>, Coatings, Volume 11 Issue 9 Article Number 1065 DOI 10.3390/coatings11091065 WOS:000699432300001 https://www.mdpi.com/2079-6412/11/9/1065	N. aut = 7 Q2	2.28
		Lucrare citata Loreggia, D., Capobianco, G., Fineschi, S., Massone, G., Thizy, C., Galy, C., Ionescu O., et al 12 Author(s), The Occulter Position Sensor Emitters (OPSE) metrology subsystem for the PROBA-3 mission", IEEE 5th International Workshop on Metrology for AeroSpace (MetroAeroSpace), 2019, WOS:000713898100088 https://ieeexplore.ieee.org/document/8869628, https://www.scopus.com/authid/detail.uri?authorId=35299353200	N. aut = 12	
		122. Lucrare care citeaza Bernardini, N; Baresi, N; (...): Matthews, SA, Trajectory design of Earth-enabled Sun occultation missions, Acta Astronautica, Volume 195 Page 251-264 Published JUN 2022 DOI 10.1016/j.actastro.2022.02.027 WOS:000780401100007 https://2510qbyfig-y-https-www-webofscience-com.z-e-nformation.ro/wos/woscc/full-record/WOS:000780401100007	N. aut = 12 	1.33

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		Lucrare citata Ionescu, O., Dumitru, V., Pricop, E., Buiu, O., Cobianu, C., Raneti, M., Pircalabu, S., Marica, C., „On the development of a robust cyber security system for Internet of Things devices”, 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI, Pagini 1-5) JUN 27-29, 2019, ISBN:978-1-7281-1624-2, ISSN: 2378-7147 Accession Number: WOS:000569985400049 https://ieeexplore.ieee.org/abstract/document/9042004	N. aut = 8	
		123. Lucrare care citeaza Van Ye, CM; Li, BE; (...); Lambert, JH, Trust and Security of Embedded Smart Devices in Advanced Logistics Systems, 2021 SYSTEMS AND INFORMATION ENGINEERING DESIGN SYMPOSIUM (IEEE SIEDS 2021) , Page204-209 Published 2021 ISBN 978-1-6654-1250-6 https://2510gbvfg-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000828133400037 WOS:000828133400037	N. aut = 8	1
		Lucrare citata 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 https://ieeexplore.ieee.org/abstract/document/8923765	N. aut. = 8	
		124. Lucrare care citeaza Li, ZF; Dong, J; (...); Wang, ZH Sonochemical catalysis as a unique strategy for the fabrication of nano-/micro-structured inorganics, NANOSCALE ADVANCES, Volume3 Issue1 Page41-72 DOI10.1039/d0na00753f https://pubs.rsc.org/en/content/articlelanding/2021/NA/D0NA00753F WOS:000608482500003	N. aut. = 8 Q2	2
		Total Partial A3.1.1		216.215

7 Se exclud autocitățile (auto-citarea se referă la situația în care numele candidatului apare simultan atât printre numele autorilor referinței bibliografice în cauză cât și printre numele autorilor articolului care citează, conform WOS https://images.webofknowledge.com/WOKRS23R4/help/WOS/hs_crsearch_self_citations.html)

8 Se dublează punctajul dacă citarea provine dintr-o revistă cotată ISI aflată printre primele 50% în cadrul subdomeniului (sau al unuia dintre subdomeniile) de acreditare ISI din punct de vedere al factorului de impact (zonele Q1-Q2 în notația ISI)

For DS

	A3.1.2.	BDI ⁴	4 / nr. aut. articol citat	
		Lucrare citată: Ionescu, O., Ionescu, G., Minescu, M., Nae, I., „<i>Research On Life Prolongation For Temperature Sensors Placed In Highly Erosive Environment</i>”, Journal Of The Balkan Tribological Association, Volume: 19 Issue: 2 Pages: 214-220 Published: 2013, https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000321796300005 1. Lucrare care citează: Pătrînac, I., Ripeanu, R., and Laudăcescu, E., „<i>Abrasive flow modelling through active parts water jet machine using CFD simulation</i>”, Published under licence by IOP Publishing Ltd IOP Conference Series: Materials Science and Engineering, Volume 724, International Conference on Tribology (ROTRIB'19) 19–21 September 2019, Cluj-Napoca, Romania, Link:https://iopscience.iop.org/article/10.1088/1757-899X/724/1/012001/meta (Indexed in Scopus)	N. aut. = 4	I
		Lucrare citată: Ionescu, G., Ionescu, O., Antonescu, N., Nae, I., „New Image Processing Based Method For Automated Welding Technology”, Journal Of The Balkan Tribological Association, Volume: 16 Issue: 2 Pages: 189-196, Published: 2010 https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000280725400003 2. Lucrare care citează: Ajwad, S., Mehmood, A., Ullah, M., Iqbal, J., „<i>Optimal v/s robust control: A study and comparison for articulated manipulator</i>”, Journal of the Balkan Tribological Association Vol. 22, No 3, 2460–2466 (2016), https://www.researchgate.net/publication/309195236_Optimal_vs_robust_control_A_study_and_comparison_for_articulated_manipulator_(Indexed in SCOPUS) (Indexed in SCOPUS) 3. Lucrare care citează: Ajwad, S., Ullah, M., Baizid, K., Iqbal, J., „<i>A comprehensive state-of-the-art on control of industrial articulated robots</i>”, Journal of the Balkan Tribological Association Vol. 20, No 4, 499–521 (2014), https://www.researchgate.net/publication/279113522_A_comprehensive_state-of-the-art_on_control_of_industrial_articulated_robots_(Indexed in SCOPUS) (Indexed in SCOPUS)	N. aut. = 4	I

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		Lucrare citată: Nae, I., Ionescu, G., Ionescu, O., „Assembling, Blowout Preventers, Microsoft Project, Project Improvements in quality assurance for blowout preventers assembling/disassembling and maintenance operations”, Applied Mechanics and Materials (Volume 555), Pages: 811-815 DOI: https://doi.org/10.4028/www.scientific.net/AMM.555.811 https://www.scientific.net/AMM.555.811	N. aut. = 3	
		4. Lucrare care citează: Shafiee, M., Elusakin, T., Enjema, E., „Subsea blowout preventer (BOP): Design, reliability, testing, deployment, and operation and maintenance challenges”, Journal of Loss Prevention in the Process Industries Volume 66, July 2020, 104170, Link: https://www.sciencedirect.com/science/article/abs/pii/S095042301930542X (SCOPUS indexed)	N. aut. = 3	1.3333
		5. Lucrare care citează: Tang, Y., Liu, Q., Xie, C., Chen, S., „Study on stress distribution of a subsea Ram BOP body based on simulation and experiment”, https://www.sciencedirect.com/science/article/abs/pii/S1350630715000096 (SCOPUS indexed)	N. aut. = 3	1.3333
Total Partial A3.1.2				5.666
	A3.2.	Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate ISI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate ISI ⁹	10 / fiecare revistă/manifestare	
				10
				10

⁹ Nu se considera calitatea de recenzor al unor articole individuale

Pa. Pet

Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate BDI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice indexate BDI ⁹	A3.3.		6 / fiecare revistă/manifestare	6
		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://iwssss.org/2022/#committee		6
		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://iwssss.org/2023/#committee		6
	A3.4.	Chair -Integrated Circuits section 2024 International Semiconductor Conference (CAS) October 9 - 11, 2024 Sinaia, Romania https://www.imt.ro/cas/2024/CAS%202024_program.pdf	15/ premiu	
		Premii în domeniu conferite de Academia Română, ASTR, AOSR sau premii internaționale de prestigiu		
Total Patial A3.2 , A3.3 si A3.4				38
TOTAL A3				259.8814

2. Formula de calcul a indicatorului de merit (A=A1+A2+A3)

$A = \square_i K1i + \square_i K2i + \square_i K3i$, unde kpi – Indice specific tipului și categoriei de activitate

Candidat

Dr. Ing. Ionescu Octavian Nar4cis

Data

01/04/2025

¹⁰ Revistă cotată ISI aflată printre primele 50% în cadrul subdomeniului (sau al unuia dintre subdomeniile) de acreditare ISI din punct de vedere al factorului de impact (zonele Q1-Q2 în notația ISI); Situația revistelor în top 25-50% (Q1,Q2) se consideră fie la momentul publicării, fie la data înscrierii la concurs. Una și numai una dintre lucrările necesare poate fi echivalată cu: (un brevet de invenție indexat WOS- Derwent) sau (1 articol în conferințe internaționale de top în domeniul de abilitare, lista acestora agreată și ținută la zi de comisia

¹¹ Lucrarea citată nu este obligatoriu sa fie indexată WOS.

¹² Pentru brevete se consideră factorul de impact echivalent 0.5, pentru celelalte publicații conform notei de subsol 3

Abrevieri: BDI = bază de date internațională; ISI = baza de date internațională Institute for Scientific Information Web of Science; WOS = ISI Web of Science; OSIM = Oficiul de Stat pentru Invenții și Mărci; WIPO = World Intellectual Property Organization (Organizația Mondială a Proprietății Intellectuale); EPO = European Patent Office (Oficiul European de Patente); USPTO = United States Patent and Trademark Office (Oficiul de Brevete și Mărci a Statelor Unite ale Americii; JPO = Japan Patent Office (Oficiul de Brevete al Japoniei)



Ministerul Cercetării, Inovării și Digitalizării
INSTITUTUL NATIONAL
DE CERCETARE - DEZVOLTARE PENTRU
MICROTEHNOLOGIE

Adeverință

Prin prezenta se atestă faptul ca domnul dr. ing. Ionescu Octavian Narcis, angajat al INCĐ IMT Bucuresti din 1 februarie 2017, a avut o contributie determinanta in cercetările, dezvoltarea si testarea modulului implantabil realizat in cadrul proiectului "Arm neuroprosthesis equipped with artificial skin and sensorial feedback", EEA-RO-NO-2018-0390 Call name: EEA GRANTS – Proiecte Colaborative de cercetare si i se permite folosirea rezultatelor cercetării in realizarea tezei de habilitare.

INCĐ IMT Microtehnologie Bucuresti isi manifesta disponibilitatea de integrare a unor studenți doctoranzi pe care urmeaza sa ii conduca domnul Dr Ing Ionescu Octavian după obținerea habilitării, pentru domeniul ingineria sistemelor.

Se eliberează prezenta adeverință pentru certificarea activităților prezentate in cadrul tezei de habilitare in domeniul Ingineria Sistemelor.

Director General

Dr Miron Adrian Dinescu



Director Proiect


Dr ing Carmen Moldovan

GENESIS BIOTECH SRL

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J29/326/2013

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Adeverință

Prin prezenta se atestă faptul ca domnul Dr. Ing. Ionescu Octavian Narcis, angajat al SC Genesis Biotech SRL din 1 februarie 2012, a avut o contributie determinantă in cercetările, dezvoltarea si integrarea in sistem a echipamentelor capacitatii de productie a energiei electrice din biogaz Genesis Biotech Filipestii de Padure si i se permite folosirea rezultatelor cercetării in realizarea tezei de habilitare.

SC Genesis Biotech SRL este in proces de extindere a activitatii avand in constructie inca patru capacitati de productie si isi manifesta disponibilitatea de integrare a unor studenți doctoranzi pe care urmeaza sa ii conduca domnul Dr. Ing. Ionescu Octavian după obținerea habilitării, pentru domeniul ingineria sistemelor.

Se eliberează prezenta adeverință pentru certificarea activităților prezentate in cadrul tezei de habilitare in domeniul Ingineria Sistemelor.

Director General

Dr. Ing. Horia Bardeanu



Adeverință

Se adeverește prin prezenta că Dl Dr Ing **Ionescu Octavian Narcis** posesor al CI seria PX nr 448909, CNP 1660308293117, a fost angajat al SC Elettra Communications SA (actuala Leonardo Romania Aerospace Defence & Security) în perioada Februarie 2014 – Septembrie 2016, în calitate de Șef Proiect / program pentru proiectul NATO, AGS WBDL (Alliance for Global Surveillance, Wide Band Data Link).

În cadrul acestui proiect au fost desfășurate preponderent activități de cercetare dezvoltare pentru proiectarea si realizarea tehnologiei standurilor de testare, introducere în fabricație și omologare a liniei de producție pentru principalele module ale sistemului AGS-WBDL respectiv, ADT TU (Aerial Data Transmission Unit) si GDT TU (Ground Data Transmission Unit).

Contractul AGS WBDL a avut o valoare incasata de peste 1 mil.Euro.

Prezenta adeverință este eliberată pentru a servi la comisia de analiză a activității de cercetare în vederea acordării titlurilor științifice.

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MINISTERUL CERCETĂRII, INOVĂRII ȘI DIGITALIZĂRII
INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE
PENTRU MICROTEHNOLOGIE - IMT București

ADEVERINȚA nr. 111/19.06.2023

Prin prezenta se atestă faptul că domnul Dr. ing **IONESCU Octavian Narcis**, angajat al INCD IMT București din 1 februarie 2017, a participat în calitate de responsabil de proiect sau membru în echipă în cadrul următoarelor proiecte de cercetare, dezvoltare:

Responsabil Proiect

1. 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, <https://timf.upg-ploiesti.ro/proiecte/sisait/>

Valoare încasată 50 000 lei.

2.TGPLAT- "Sistem de celule fotovoltaice microtexturate de eficiența sporită integrat în aripa unui avion fara pilot (UAV) cu aplicații în securitatea societății", pentru activități din categoria D - Activități de cercetare industrială și/sau dezvoltare experimentală (CD) realizate de organizația de cercetare în colaborare efectivă cu întreprinderea.

Valoare încasată 450 000 lei.

3.TGPLAT , Testare sisteme optice SIOBLIN TGPLAT pentru activități din categoria D - Activități de cercetare industrială și/sau dezvoltare experimentală (CD) realizate de organizația de cercetare în colaborare efectivă cu întreprinderea.

Valoare încasată 49 280 lei.

4.„Panouri de Protecție Balistică pentru Limitarea Exploziilor în Aeroporturi” – PLEXO Cod: ROFSIP2016OS6A12P0

Valoare încasată 116 000 lei.

Membru în echipă:

a) Proiecte internaționale

1.PROBA-3 ASPIICS OPSE HARWARE – Contract No. 4000111522 / 14 / NL / GLCESA OPSE,

2.Arm neuroprosthesis equipped with artificial skin and sensorial feedback, EEA-RO-NO-2018-0390 Call name: EEA Grants - Proiecte Colaborative de Cercetare, EEA-RO-NO-2018-0390 2019 – 2023, <https://www.armin-see.eu>

b) Proiecte naționale

1.Contract de finanțare pentru execuție proiecte de CDI, Nr. 121 /20.07.2017 Programul de Cercetare-Dezvoltare-Inovare pentru Tehnologie Spațială și Cercetare Avansată – STAR Tip proiect: CDI SISTEME DE ALINIARE OPTICĂ PENTRU ZBORURILE SPAȚIALE ÎN FORMAȚIE ȘI DEORBITAREA REZIDUURILOR DIN SPAȚIU (OASYS)

2.Metoda și dispozitiv de testare la domiciliu pentru detectarea precoce a virusului SARS-CoV-2 Proiect finanțat în 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.Titlu Proiect :Tehnologii suport de realizare a arilor de elemente micro-optice pentru aplicații spațiale. Contract de finanțare 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 – demonstrative, PN-III-P2-2.1-PED-2016-1653 2017 – 2018

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6. Developing quantum information and quantum technologies in Romania, Call name: P 1 - SP 1.2 - Proiecte complexe realizate in consorții CDI, PN-III-P1-1.2-PCCDI-2017-0338 2018 – 2021, <https://roqnet.ro/qutech-ro/>
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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. 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 – demonstrative, PN-III-P2-2.1-PED-2019-4146 2019 - 2021
10. RANGE OF IMAGE OPTICAL SYSTEMS WITH ZOOM FOR MWIR SPECTRAL FIELD WITH SECURITY APPLICATIONS, Call name: P 2 - SP 2.1 - Proiect de transfer la operatorul economic, PN-III-P2-2.1-PTE-2019-0465 2020 – 2022,

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NR . Reg.UPG: 11753/19.06.2023

Se adeverește prin prezenta că, domnul conf.dr.ing. Ionescu Octavian, cadru didactic la Facultatea de Inginerie Mecanică și Electrică, departamentul Automatică, Calculatoare și Electronică, a prestat activitate ca director/membru în cadrul următoarelor contracte:

Nr. Contract	Tema	Director	Suma încasată	
			Fără TVA	Cu TVA
22/03.08.2011	Servicii de elaborare a unui studiu privind funcționarea modulelor pentru integrarea în rețelele inteligente a sistemelor de producere a energiei electrice din surse regenerabile; Beneficiar: SC FDEE SA	Sef lucr.dr.ing. Octavian Ionescu	43000 lei	53320 lei
23/03.08.2011	Servicii de elaborare a unui studiu privind eficiența măsurării de integrare a producătorilor de energie electrică utilizând surse regenerabile în rețelele electrice de distribuție din zona SC FDEE Muntenia Nord; Beneficiar: SC FDEE SA	Prof.dr.ing. Cristian Bucur	37000 lei	45880 lei
25/26.08.2011	CC A evoluției în funcționare și a modalităților de rezolvare a problemelor ce au aparut în funcționarea sistemului de automatizare din cadrul Fabricii de mortare uscate ADEPLAST SA Corlătești; Beneficiar: SC Adeplast Oradea	Sef lucr.dr.ing. Octavian Ionescu	4000 lei	4960 lei

13/30.10.2012	Model experimental DMC- dispozitiv de monitorizare a coroziei; Beneficiar: OMV PETROM SA Câmpina	Prof.dr.ing. Ion Nae	3734 Euro (16929,58 lei)	4630,16 Euro 20992,68
4/17.01.2013	Serviciu privind elaborarea unui studiu și a unei aplicații pentru un sistem de protecție la lucrări și creșterea electrosecurității în domeniul lucrărilor la înaltă tensiune în instalațiile electrice inteligente, în cadrul SC FDEE Electrica Distribuție Muntenia Nord; Beneficiar: SC FDEE Electrica Distribuție Muntenia Nord	Șef lucrări dr.ing. Gabriela Ionescu	45000 lei	55800 lei
26/07.11.2013	Proiectarea și dezvoltarea unui sistem de monitorizare a activităților ilicite pentru stâlpii de înaltă tensiune de tip "Trianon" cod PN II IN CI-2013-1-052; UEFISCDI	Șef lucrări dr.ing. Octavian Ionescu	50000 lei	

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Conf. dr.chim. Cătălina CĂLIN



Studies in Systems, Decision and Control 255

Emil Prícop
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Nitul Dutta
Mariam Ibrahim *Editors*

Recent Developments on Industrial Control Systems Resilience

 Springer

Studies in Systems, Decision and Control

Volume 255

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Janusz Kacprzyk, Systems Research Institute, Polish Academy of Sciences,
Warsaw, Poland

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Recent Developments on Industrial Control Systems Resilience

 Springer

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Innovative Hardware-Based Cybersecurity Solutions



Octavian Ionescu, Viorel Dumitru, Emil Pricop and Stefan Pircalabu

Abstract Cyber threats are currently targeting not only the individual computers, but the industrial infrastructures managed by industrial control systems, that are often interconnected in large networks. The recent developments in the field of electronic devices, namely sensors and wearable equipment, and the evolution of communication technologies permitted the adaptation of Internet of Things (IoT) devices on a large scale. These IoT devices contains computing power, good connectivity, but are prone to a large number of cybersecurity vulnerabilities and attacks. This chapter is focused on describing some innovative hardware-based cybersecurity solutions designed especially for Internet of Things devices. The proposed solutions are based on physical unclonable functions (PUF) encryption methods. The first method is based on unique features which are the results of variable entries in the process of manufacturing semiconductor devices. An example of an encryption system already developed and available on the market is presented. The second method is based on the proper-ties of memristors, mainly the nonlinearity of the I–V characteristics and the particularities in their production process, which allow generating unique material states. By using this method, it is possible to generate very large random encryption keys, using few electrical components. This solution could be incorporated in various security systems that uses parallel communication channels to send

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6

Quantum Dots versus Dyes in Sensitized Solar Cells: Synthesis, Optimization, Performance

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Outline

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Introduction to Emerging Photovoltaic Technologies

The quality of human life is strongly dependent on the availability of energy sources. Increased energy demand (currently, the total worldwide energy consumption is about 14 terawatts) and environmental pollution require a swift transition to new, green technologies for energy generation [1, 2]. Different approaches were followed for finding and developing sustainable energy solutions. Among the alternative power sources existing today (hydroelectric, nuclear, biomass, wind, geothermal, and solar), solar energy is by far the largest exploitable resource. Enough to say that sunlight striking Earth's surface in 1 hour provides more energy than all the energy consumed by human civilization in one year [3].

Consequently, the design and manufacturing of a high - performance and low - cost photovoltaic cells, able to replace fossil fuel and related technologies, is assumed as an urgent task for multidisciplinary scientific teams worldwide [4, 5]. Considering the increasing demand for renewable energy, solar power companies are focused nowadays on manufacturing and installing solar panels [6].

Due to the most mature technology for photovoltaic cell manufacturing, the main material used remains silicon [7]. Though Si solar panel technology exhibits many benefits (e.g. longevity, efficiency, lower installation costs [8]), it also yields several drawbacks that need to be considered:

- Cost: Traditional silicon cells use ultra-high purity silicon, which is very expensive;
- Silicon absorbs sunlight poorly: According to Prof. Michael Grätzel, from École Polytechnique Fédérale de Lausanne: "silicon solar cells use 1.000 times more light absorbing material than dye-sensitized solar cells and perovskite cells";
- Silicon is very brittle.

Despite the worldwide spread of the silicon-based solar modules, other emerging photovoltaic technologies have received considerable attention in the last few decades, due to their promising performance and low production costs. Among them, one can enumerate organic photovoltaics, hybrid organic-inorganic solar cells, perovskite photovoltaics, inorganic quantum dots solar cells, dye-sensitized solar cells.

An **organic photovoltaic (OPV)** cell is a type of solar cell that uses organic electronics, such as small organic molecules (chlorophyll-a, fullerene, pentacene - Figs. 6.1-3) or conductive organic polymers (MEH-PPV - Fig. 6.4, CN-PPV, PPV, polyacetylene, etc.), for performing light absorption. Typically, they are sandwiched between two electrodes [9].

Comprising a sandwiched organic material between two electrodes with different work functions, **single layer organic photovoltaic cells** are the simplest form of OPVs, but their efficiencies are modest.

Octavian IONESCU (coordonator)

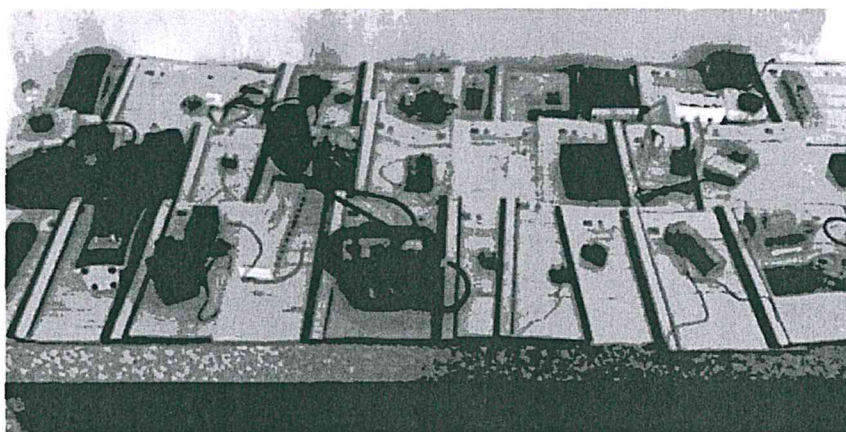
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ELECTRONICĂ ANALOGICĂ

ÎNDRUMAR DE LUCRĂRI PRACTICE



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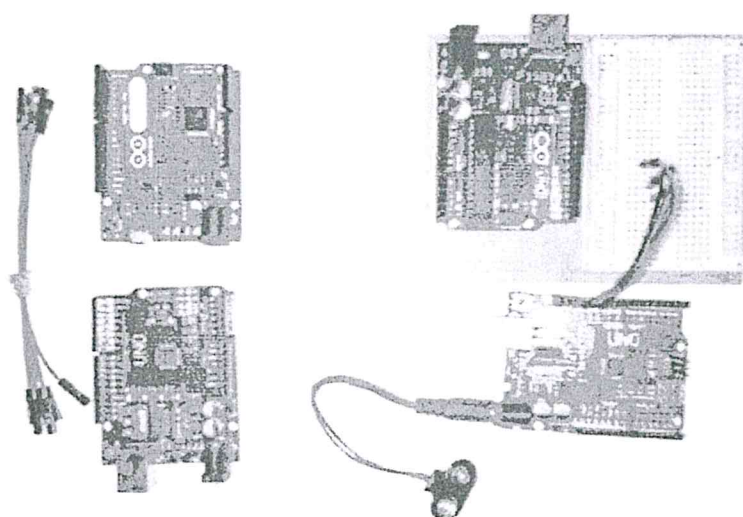
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MANUAL PENTRU FORMARE ELECTRONIȘTI

**INTRODUCERE ÎN ELECTRONICĂ
ȘI ACȚIONĂRI ELECTRICE**

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Cr. BUCUR: cap.4 și 9;
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I. SĂVULESCU: cap.7;
B. MIRODOTESCU: cap.13;
D. ORHEI: cap.10 și 11;
O. DINU: cap.15;
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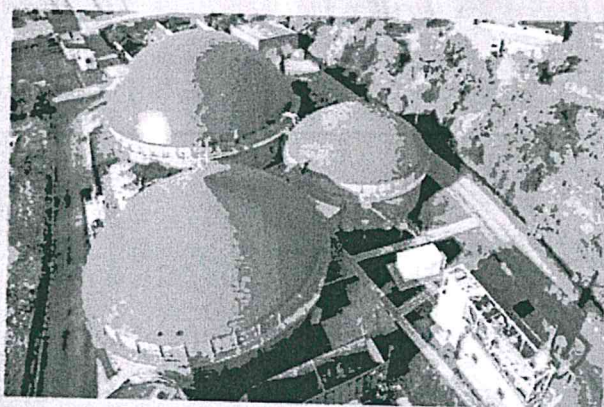
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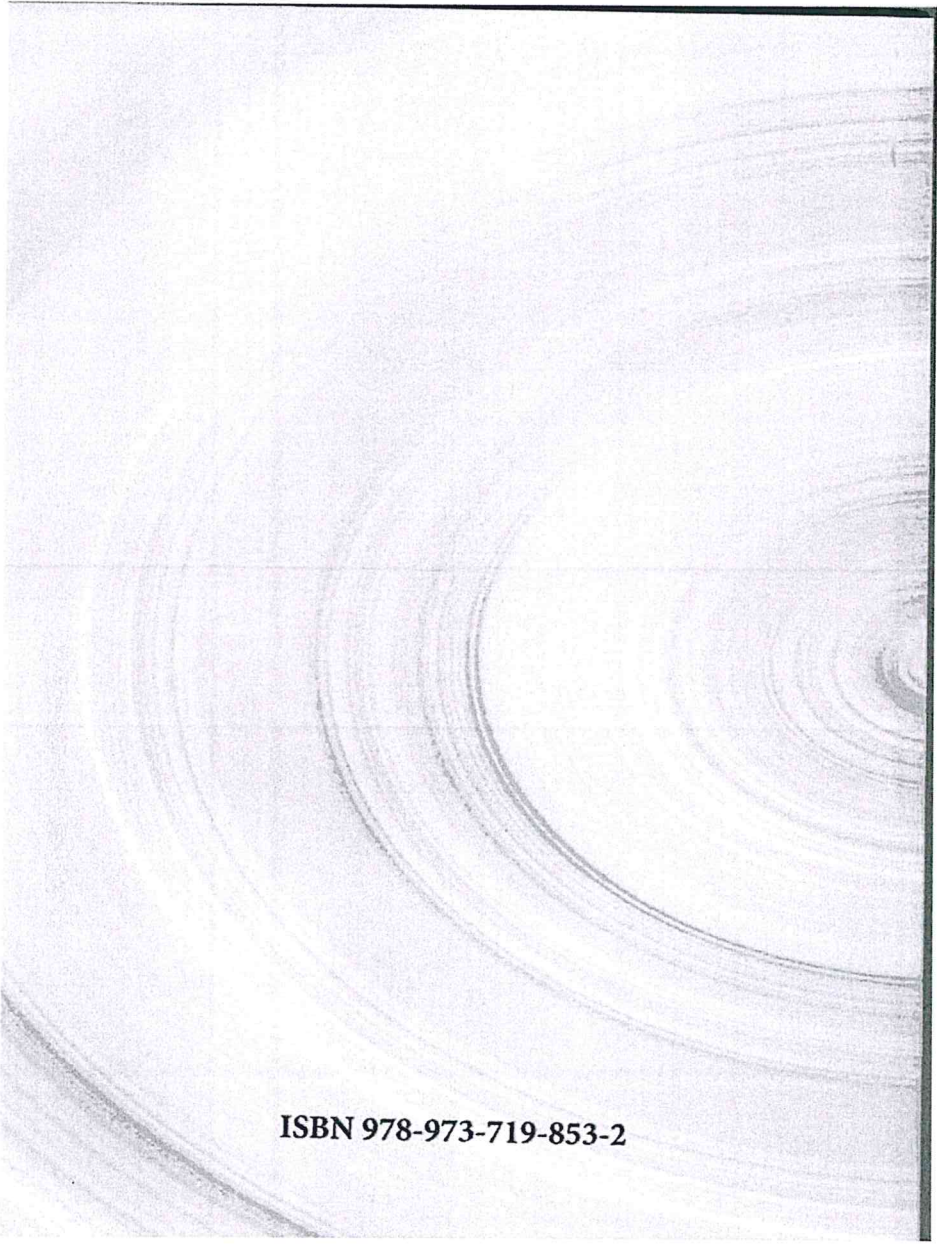
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Conf.dr.ing. Octavian Narcis IONESCU

PRODUCȚIA DE ENERGIE ELECTRICĂ DIN RESURSE REGENERABILE - BIOGAZ



**Editura Universității Petrol-Gaze din Ploiești
2022**



ISBN 978-973-719-853-2

SCIENTIFIC & ORGANISING COMMITTEES

IWSSS 2018 SCIENTIFIC COMMITTEE

- > *Anatoly Sachenko*, Ternopil National Economic University, Ukraine
- > *Dan Popescu*, Politehnica University of Bucharest, Romania
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- > *Gabriel Radulescu*, Petroleum-Gas University, Ploiesti, Romania
- > *Grigore Stamatescu*, Politehnica University of Bucharest
- > *Jaouhar Fattahi*, Laval University, Quebec, Canada
- > *Loretta Ichim*, Politehnica University of Bucharest
- > *Octavian Ionescu*, IMT Bucharest, Romania
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- > *Nicolae Paraschiv*, Petroleum-Gas University of Ploiesti, Romania
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- > *Radu-Emil Precup*, Politehnica University of Timisoara, Romania

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- > *Gabriel Radulescu*, Petroleum-Gas University, Ploiesti, Romania
- > *Emil Pricop*, Petroleum-Gas University, Ploiesti, Romania
- > *Grigore Stamatescu*, Politehnica University, Bucharest, Romania

ORGANISING COMMITTEE CO-CHAIRS

- > *Emil Pricop*, Petroleum-Gas University, Ploiesti, Romania
- > *Grigore Stamatescu*, Politehnica University, Bucharest, Romania

IWSSS 2016

Ploiesti, Romania
30.06 - 02.07.2016

4th International Workshop on Systems Safety & Security

days hrs min sec

IWSSS 2016 WORKSHOP DETAILS

25.01.16	IWSSS 2016 website launched
25.01.16	IWSSS 2016 call for paper launched
01.02.16	EasyChair paper submission system open
20.05.16 30.05.16	Paper submission deadline
10.06.16	Notification of acceptance
15.06.16	Camera-version & authors registration
30.06.16	ECAI 2016 Conference & IWSSS 2016 Workshop

About IWSSS 2016

Control systems safety & security is a challenging research domain having a continuous development and a growing importance in the global political, military and economic context. The critical systems involved in energy production and distribution, petrochemical plants, transportation and road management rely on automatic control systems. All of them are based on sensor, transducers, controllers and other automation equipment. Most of them are now connected in various wired or wireless networks and sometimes are remotely operated via the Internet. The threats that since now was related to business or consumer PCs only are now targeting the automation systems. That is reason why many researchers from academia and industry are making efforts to assure control systems safety & security without affecting their performance and their ability to reach their objectives.

IWSSS 2016 is interdisciplinary and concentrates valuable knowledge from various fields of automatic control, computers and electronics. Special interest topics of the workshop are preventing, detecting and responding cyber-attacks and malware in control systems and networks by using modern approaches.

Our intention is to bring together practitioners and implementers from industry, prestigious researches from academia and young scientists and specialists. Our aim is to create an event to promote scientific research in this challenging field of systems safety and security and to let academia and industry make a strong partnership in order to develop new products and technologies.

Workshop Topics

Systems security & safety

Malware detection, modelling and analysis methods in control systems

Data security and privacy in critical systems

Real time monitoring of critical infrastructures

Physical and logical access control

Biometric identification of persons

Systems security & safety with applications in automotive industry

Intelligent sensors applied in safety and security solutions

Wireless sensor networks security

Signal processing and data acquisition

Artificial intelligence used in the field of safety and security

Automotive tracking, monitoring and surveillance solutions



IWSSS 2016 is organized in conjunction with
The 8th Electronics, Computers & Artificial
Intelligence International Conference - ECAI 2016

Past IWSSS Editions:

IWSSS 2015, Bucharest - IEEE Xplore, ISI

IWSSS 2014, Bucharest - IEEE Xplore, ISI

IWSSS 2013, Sinaia - IEEE Xplore, ISI

IWSSS 2016 Program

The final program for IWSSS 2016 is now available

[View Program](#)

INVITED TALK

Topic: Network Attacks on a Smart City Wireless Mesh

Abstract: Smart City is a concept that uses sensing and data-processing technologies to increase efficiency and productivity of resources throughout a municipality. A typical deployment of a Smart City infrastructure is of many sensor nodes connected to a wireless mesh network. The routing mechanisms proposed by the IETF to establish multihop network topologies is the IPv6 Routing Protocol for Low Power and Lossy Networks (RPL). RPL constructs a Directed Acyclic Graph (DODAG) and uses this graph to route data traffic. It has been designed and optimized for routing data through the DODAG towards special gateway nodes. In this talk I will first introduce the main concepts of RPL and then describe and discuss possible attacks on RPL networks.

Prof. Reuven Cohen - Short Biography

Reuven Cohen received the Ph.D. degree in 1991. From 1991 to 1993, he was with the IBM T.J.Watson Research Center. Since 1993, he has been a faculty member in the Department of Computer Science at the Technion, where he is now a full professor. Between 1994 and 1997, he also worked for HP Labs. Reuven's research areas touch many aspects of networking and protocols, including wireless networks, sensor networks, mobile networks, protocol design and analysis, traffic engineering, and algorithms for big data. Reuven has served as an editor of the IEEE/ACM Transactions on Networking journal and the ACM Journal on Wireless Networks (WINET). In addition, he was the TPC co-chair of Infocom 2010.



AUTHORS INFORMATION

Paper submission

Prospective authors are invited to submit full papers electronically using [EasyChair system](#).

Papers submitted for presentation should contain original research, not published or being considered for publication elsewhere. All materials must be written in English.

The papers will undergo a peer review process, coordinated by the International Scientific Committee. The corresponding author of each paper will be notified of the result by e-mail. If the paper is accepted, at least one of the authors must attend the workshop and present the paper.

All accepted papers will be published in the conference proceedings which will be indexed in IEEE Xplore database.

The papers from all the previous editions (IWSSS 2013, 2014 and 2015) were indexed by IEEE Xplore database.

The accepted papers of IWSSS 2013 were indexed by IEEE Xplore, Scopus and Thompson Reuters Web of Science (ISI) Databases.

The participants must prepare the full version of their paper following IEEE Conference Submission Standards. The template can be

downloaded from [this link](#). Maximum six pages A4 in double column format are allowed. Authors may upload longer manuscript up to a maximum of eight pages total. However, each page in excess of six will incur a supplementary charge.

As a part of the procedure, authors of accepted papers must send us a signed Copyright Form for each paper. Missing this document may lead to paper unpublishing.

Workshop fees

180 EUR (20% off for IEEE members; 40% off for IAS members);

90 EUR - second paper fee;

400 RON - Workshop Fee for Romanian participants;

200 RON - Workshop Fee for Young Romanian researchers (PhD students)

PROSPECTIVE INTERNATIONAL SCIENTIFIC COMMITTEE



Masaki
SAMEJIMA



Nicolae
PARASCHIV

Committee Chair
Osaka University, Japan

Committee Co-Chair
Petroleum-Gas University of
Ploiesti, Romania



Alina
BAIESU



Wadji
BELIL



Jaouhar
FATTAHI



Ridha
GHAYOULA

Petroleum-Gas University of
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Tunis

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Laval University,
Canada



Ali G.
HESSAMI



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IONESCU



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Trupil
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NIIT University, India



Sanda
MIHALACHE



Moeiz
MIRAOU



Mihai
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Zdzisław
POLKOWSKI

University of Pitesti, Romania

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Dan
POPESCU

Ecole de Technologie

Radu-Emil
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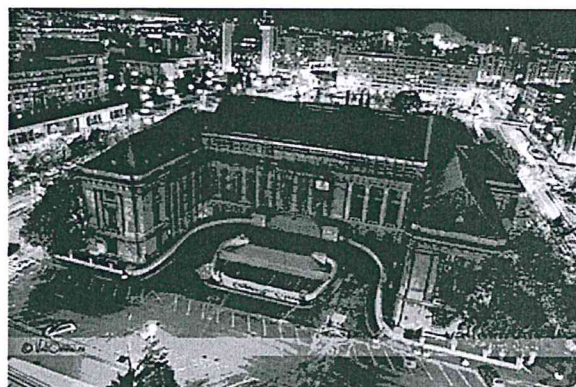
Lower Silesian University of

Gabriel
RADULESCUPolitehnica University of
Bucharest, RomaniaPolitehnica University of
Timisoara , RomaniaPetroleum-Gas University of
Ploiesti, RomaniaPetroleum-Gas University of
Ploiesti, RomaniaAnatoliy
SACHENKOGrigore
STAMATESCUTernopil National Economic
University, UkrainePolitehnica University of
Bucharest, Romania

ACCOMODATION & TRAVEL INFORMATION

IWSSS 2016 Workshop will take place in conjunction with The 8th Electronics, Computers & Artificial Intelligence - ECAI 2016 International Conference, that will be hosted by Petroleum-Gas University of Ploiesti, 39, Bucuresti Blvd., Ploiesti, Romania.

Ploiesti is situated 60 km north from Bucharest, being crossed by the 26th degrees meridian, which divides the European continent in approximately two equal parts. The city has a high degree of industrialization and it is well known everywhere in the world for its oil processing facilities. The world's first refinery opened at Ploiesti in 1856-1857.



PROGRAM COMMITTEE

Dan
POPESCUEmil
PRICOP*Workshop Chair**Workshop Co-Chair*

ORGANIZING COMMITTEE



Emil
PRICOP



Grigore
STAMATESCU

Organizing Committee Chair

Petroleum-Gas University of
Ploiesti, Romania

Organizing Committee Co-Chair

Politehnica University of Bucharest,
Romania

CONTACT & INFORMATION

If you have any questions regarding IWSSS 2016 you can use our contact form on the right or use the contact data below:

Emil PRICOP, M.Sc., Eng.

*Automatic Control, Computers and Electronics Department
Petroleum-Gas University of Ploiesti
București Blvd., nr. 39, RO-100680, Ploiești, România*

E-mail: `emil.pricop [at] upg-ploiesti [dot] ro *`
`emilpricop [at] ieee [dot] org`

Notice: In order to send e-mail you have to change [at] with @ and [dot] with ..

Have questions?

WORKSHOP SUPPORTERS



Petroleum-Gas University of Ploiesti
Automatic Control, Computer & Electronics Department
Ploiesti, Romania



ASTI Automation SRL
Bucuresti
Romania

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27 - 29 JUNE, 2019 / PITESTI, ROMANIA

7TH INTERNATIONAL WORKSHOP ON SYSTEMS SAFETY & SECURITY

- IWSSS 2019 -

IWSSS 2019 REPORT (IWSSS 2019 REPORT.PDF)

IWSSS 2019 PROGRAM (IWSSS 2019 PROGRAM.PDF)

DETAILS

IWSSS 2019 is organized in conjunction with the 11th International Conference on Electronics, Computers & Artificial Intelligence - ECAI 2019 (<http://ecai.ro>)

IWSSS 2019 is the 7th edition of the International Workshop on Systems Safety & Security, a prestigious scientific event focused on topics of growing importance in the global political, military and economic context. The workshop topics are related to increasing the security and safety of the systems that are key components of critical infrastructures such as energy production and distribution, water and wastewater management, defence, healthcare providers, transportation systems and communications.

The previous editions of our workshop brought together renowned professors and researchers, practitioners and implementers from industry, young scientists and specialists from all over the world. IWSSS is a real bridge between academia and industry.

The quality and international visibility of the workshop are certified by the fact that the papers presented at the previous editions were published in IEEE Xplore and indexed by Clarivate Analytics Web of Science (ISI) (editions 2013 – 2017, edition 2018 is pending publishing in IEEE Xplore and ISI indexing).

WORKSHOP TOPICS

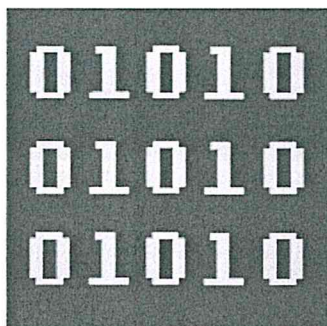
- > **Systems security & safety**
- > **Formal methods for security**
- > **Data security and privacy in critical systems**
- > **Physical and logical access control**
- > **Biometric identification of persons**
- > **Malware detection, modelling and analysis methods**
- > **Security assessment, pentesting, vulnerability evaluation**
- > **Wireless sensor networks security**
- > **Artificial intelligence used in the field of safety and security**
- > **Assets tracking, monitoring and surveillance solutions**
- > **Advanced encryption techniques**

PUBLISHING OPPORTUNITIES

This year IWSSS team has a partnership with **MDPI Information Journal** (ISSN 2078-2489; CODEN: INFOGG). The extended versions of selected papers presented at IWSSS 2019 will be published in the *Information Journal - Special Issue "Advanced Topics in Systems Safety and Security"* (https://www.mdpi.com/journal/information/special_issues/IWSSS_2019).

Information is an Open-Access journal indexed in a large number of prestigious databases: Clarivate Analytics Web of Science (ISI - Emerging Sources Citation Index), Scopus, DBLP (Universitat Trier), EI Compendex.

The article processing charge (APC) for publishing in MDPI Information is 1000 CHF, but it will be waived for the authors of the extended papers selected from IWSSS 2019.



information

an Open Access Journal by MDPI

(<https://www.mdpi.com/journal/information>)



6 yearly editions since 2013 having more that 30 participants each year



International environment, workshop attended by authors from more that 25 countries



All papers were published in IEEE Xplore



Papers from 2013 - 2017 editions were indexed by Clarivate ISI

PREVIOUS EDITIONS

- > **IWSSS 2013** (<http://conferinte.upg-ploiesti.ro/iwsss/>) - 11.10-13.10.2013 - Sinaia, Romania - IEEE Xplore & ISI Indexed;
- > **IWSSS 2014** (<http://conferinte.upg-ploiesti.ro/iwsss2014/>) - 23.10-25.10.2014 - Bucharest, Romania - IEEE Xplore & ISI Indexed;
- > **IWSSS 2015** (<https://www.iwsss.org/2015/>) - 25.06-27.06.2015 - Bucharest, Romania - IEEE Xplore & ISI Indexed;

- > IWSSS 2016 (<https://www.iwsss.org/2016/>) - 30.06-02.07.2016 - Ploiesti, Romania - IEEE Xplore & ISI Indexed;
- > IWSSS 2017 (<https://www.iwsss.org/2017/>) - 29.06-01.07.2017 - Targoviste, Romania - IEEE Xplore & ISI Indexed;
- > IWSSS 2018 (<https://www.iwsss.org/2018/>) - 28.06-30.06.2018 - Iasi, Romania - IEEE Xplore & ISI Indexed;

IMPORTANT DATES

~~19.05~~ 03.06.2019

Paper submission deadline

~~02.06~~ 10.06.2019

Notification of acceptance

16.06.2019

Camera-ready paper & registration

27 - 29.06.2019

ECAI Conference & IWSSS Workshop

AUTHOR INFO

Prospective authors are invited to submit full papers electronically using **EasyChair system**. (<https://easychair.org/conferences/?conf=iwsss2019>)

Papers submitted for presentation should contain original research, not published or being considered for publication elsewhere.

All materials must be written in English.

The participants must prepare the full version of their paper following IEEE Conference Submission Standards.

The Word template can be downloaded from this link. (<http://ecai.ro/Documente/IEEE-ECAI-Template-styles.docx>)

Maximum six pages A4 in double column format are allowed. Authors may upload longer manuscript up to a maximum of eight pages total. However, each page in excess of six will incur a supplementary charge.

The papers will undergo a peer review process, coordinated by the International Scientific Committee. The corresponding author of each paper will be notified of the result by e-mail. If the paper is accepted, at least one of the authors must attend the workshop and present the paper.

As a part of the procedure, authors of accepted papers must send us a signed Copyright Form for each paper. Missing this document may lead to paper unpublishing.

All accepted papers will be published in the conference proceedings which will be published in IEEE Xplore database and submitted for indexing to Clarivate Analytics Web of Science (ISI).

REGISTRATION FEES

- > 200 EUR (10% off for IEEE members; 20% off for IAS members);
- > 100 EUR - second paper fee;
- > 500 RON - Workshop Fee for Romanian participants;
- > 250 RON - Workshop Fee for Young Romanian researchers (PhD students).

UPLOAD PAPER

SCIENTIFIC & ORGANISING COMMITTEES

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Chairman:

- > **Emil Pricop**, Petroleum-Gas University of Ploiesti, Romania

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- > **Pavol Sokol**, Pavol Jozef Šafárik University, Košice, Slovakia
- > **Grigore Stamatescu**, University Politehnica of Bucharest, Romania

WORKSHOP PROGRAM CHAIRS

- > **Emil Pricop**, Petroleum-Gas University, Ploiesti, Romania
- > **Octavian Ionescu**, NIRD Microtechnologies, Bucharest, Romania

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- > **Jaouhar Fattahi**, Laval University, Quebec City, Canada
- > **Grigore Stamatescu**, Politehnica University, Bucharest, Romania
- > **Octavian Ionescu**, NIRD Microtechnologies, Bucharest, Romania

WORKSHOP LOCATION

University of Pitesti

1, Targu din Vale Street
Pitesti, 110040, Romania

More information regarding conference location and accomodation can be found on ECAI Conference (host conference) Website. (<http://ecai.ro>)

CONTACT

Name

Email

Phone

SUBMIT

If you have any questions regarding IWSSS 2019 you can use our contact form or the contact data below:

Emil PRICOP, PhD Eng.

Automatic Control, Computers and Electronics Department
Petroleum-Gas University of Ploiesti
Bucureşti Blvd., nr. 39, RO-100680, Ploieşti, România
E-mail: **emil.pricop [at] upg-ploiesti [dot] ro**

Notice: In order to send e-mail you have to change [at] with @ and [dot] with ..

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25 - 26 JUNE, 2020 / BUCHAREST, ROMANIA

**THE EVENT WILL TAKE PLACE AS E-CONFERENCE DUE
TO COVID-19 PANDEMIC**

**8TH INTERNATIONAL WORKSHOP ON SYSTEMS
SAFETY & SECURITY
- IWSSS 2020 -**

SUBMIT PAPER

DETAILS

IWSSS 2020 is organized in conjunction with the 12th International Conference on Electronics, Computers & Artificial Intelligence - ECAI 2020 (<http://ecai.ro>)

This year ECAI & IWSSS will be held as an online event (e-event) due to the COVID-19 pandemic. The papers presented at ECAI & IWSSS will be published in IEEE Xplore!

IWSSS 2020 is the 8th edition of the International Workshop on Systems Safety & Security, a prestigious scientific event focused on topics of growing importance in the global political, military and economic context. The workshop topics are related to increasing the security and safety of the systems that are key components of critical infrastructures such as energy production and distribution, water and wastewater management, defence, healthcare providers, transportation systems and communications.

The previous editions of our workshop brought together renowned professors and researchers, practitioners and implementers from industry, young scientists and specialists from all over the world. IWSSS is a real bridge between academia and industry.

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WORKSHOP TOPICS

- > **Systems security & safety**
- > **Formal methods for security**
- > **Data security and privacy in critical systems**
- > **Physical and logical access control**
- > **Biometric identification of persons**
- > **Malware detection, modelling and analysis methods**
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- > **Wireless sensor networks security**
- > **Artificial intelligence used in the field of safety and security**

- **Assets tracking, monitoring and surveillance solutions**
- **Advanced encryption techniques**



8 yearly editions since 2013 having more that 30 participants each year



International environment, workshop attended by authors from more that 25 countries



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Papers from 2013 - 2018 editions were indexed by Clarivate ISI

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- > IWSSS 2013 (<http://conferinte.upg-ploiesti.ro/iwsss/>) - 11.10-13.10.2013 - Sinaia, Romania - IEEE Xplore & ISI Indexed;
- > IWSSS 2014 (<http://conferinte.upg-ploiesti.ro/iwsss2014/>) - 23.10-25.10.2014 - Bucharest, Romania - IEEE Xplore & ISI Indexed;
- > IWSSS 2015 (<https://www.iwsss.org/2015/>) - 25.06-27.06.2015 - Bucharest, Romania - IEEE Xplore & ISI Indexed;
- > IWSSS 2016 (<https://www.iwsss.org/2016/>) - 30.06-02.07.2016 - Ploiesti, Romania - IEEE Xplore & ISI Indexed;
- > IWSSS 2017 (<https://www.iwsss.org/2017/>) - 29.06-01.07.2017 - Targoviste, Romania - IEEE Xplore & ISI Indexed;
- > IWSSS 2018 (<https://www.iwsss.org/2018/>) - 28.06-30.06.2018 - Iasi, Romania - IEEE Xplore & ISI Indexed;
- > IWSSS 2019 (<https://www.iwsss.org/2019/>) - 27.06-29.06.2018 - Pitesti, Romania - IEE Xplore & pending ISI indexing;

IMPORTANT DATES

~~04.05~~ 30.05.2020

Paper submission deadline

15.06.2020

Notification of acceptance

25.06.2020

Camera-ready paper & registration

25 - 26.06.2020

ECAI Conference & IWSSS Workshop

AUTHOR INFO

Prospective authors are invited to submit full papers electronically using *EasyChair system and choosing the corresponding track*. (<https://easychair.org/conferences/?conf=ecai20200>)

Papers submitted for presentation should contain original research, not published or being considered for publication elsewhere.

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The participants **must** prepare the full version of their paper following IEEE Conference Submission Standards.

The Word template can be downloaded from this link. (<http://ecai.ro/Documente/ECAI-template-a4.docx>)

Maximum six pages A4 in double column format are allowed. Authors may upload longer manuscript up to a maximum of eight pages total. However, each page in excess of six will incur a supplementary charge.

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All accepted papers will be published in the conference proceedings which will be published in IEEE Xplore database and submitted for indexing to Clarivate Analytics Web of Science (ISI).

UPDATED REGISTRATION FEES (E-EVENT)

- > 125 EUR / paper - covering the costs for e-session, paper publishing and sending all the materials to the corresponding author;
- > 300 RON - Workshop Fee for Romanian participants;

UPLOAD PAPER

SCIENTIFIC & ORGANISING COMMITTEES

IWSSS 2020 SCIENTIFIC COMMITTEE

- > *Ali Hessami*, Vega Systems, UK
- > *Alina Baiesu*, Petroleum-Gas University, Ploiesti, Romania
- > *Emil Pricop*, Petroleum-Gas University, Ploiesti, Romania
- > *Grigore Stamatescu*, Politehnica University of Bucharest
- > *Jaouhar Fattahi*, Laval University, Quebec, Canada

- > **Loretta Ichim**, Politehnica University of Bucharest
- > **Mariam Ibrahim**, German Jordanian University, Amman, Jordan
- > **Octavian Ionescu**, NIRD Microtechnologies, Bucharest, Romania
- > **Pavol Sokol**, Pavol Jozef Šafárik University, Košice, Slovakia
- > **Ridha Ghayoula**, Laval University, Quebec, Canada
- > **Sanda-Florentina Mihalache**, Petroleum-Gas University, Ploiesti, Romania

WORKSHOP PROGRAM COMMITTEE

- > To Be Announced

ORGANISING COMMITTEE CO-CHAIRS

- > **Emil Pricop**, Petroleum-Gas University, Ploiesti, Romania
- > **Grigore Stamatescu**, Politehnica University, Bucharest, Romania
- > **Jaouhar Fattahi**, Laval University, Quebec, Canada
- > **Octavian Ionescu**, NIRD Microtechnologies, Bucharest, Romania

WORKSHOP LOCATION

Politehnica University of Bucharest

1-3, Iuliu Maniu Blvd.

Bucharest, 061071, Romania

More information regarding conference location and accomodation can be found on ECAI Conference (host conference) Website. (<http://ecai.ro>)



CONTACT

Name

Email

Phone

SUBMIT

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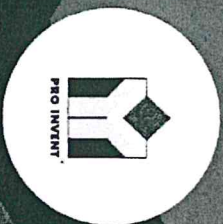
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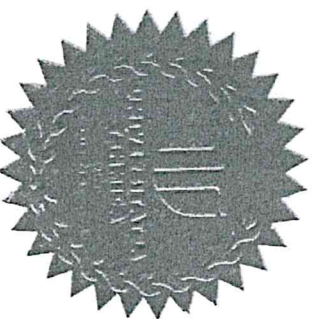


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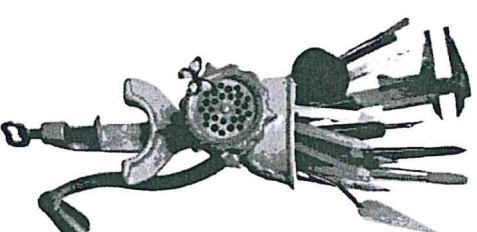
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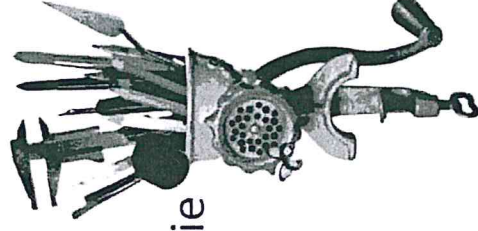
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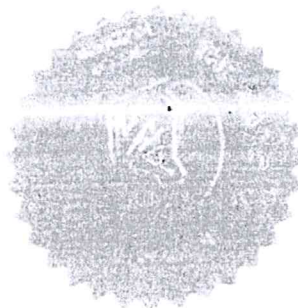
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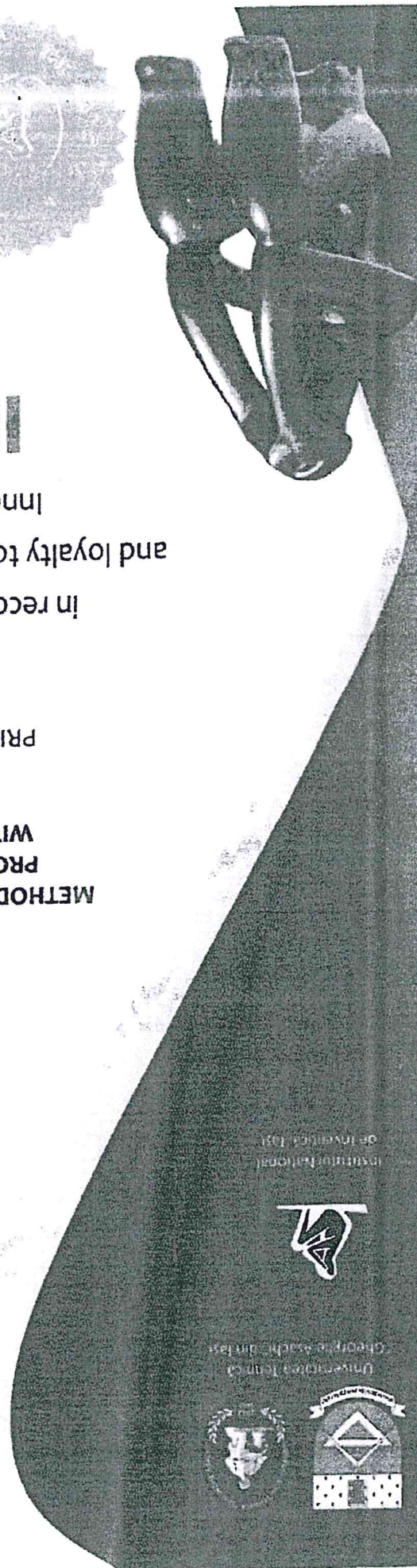
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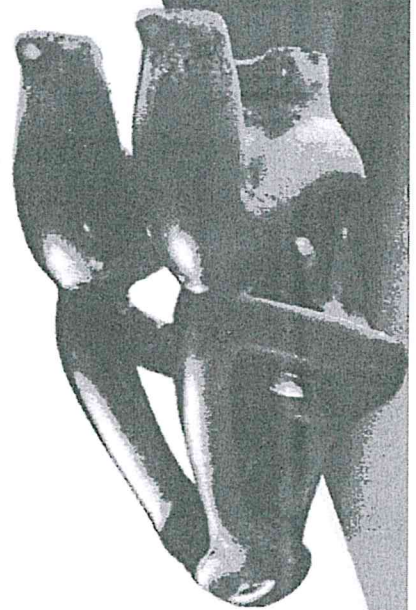
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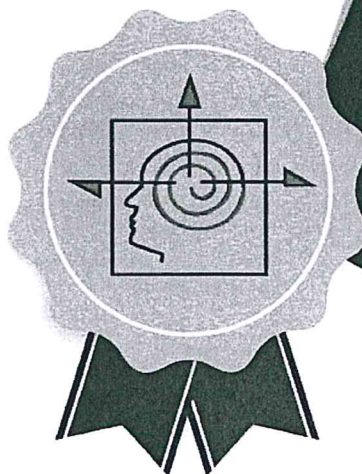
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