

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
FACULTATEA DE INGINERIE ELECTRICĂ, ENERGETICĂ ȘI INFORMATICĂ APLICATĂ
DEPARTAMENTUL DE MĂSURĂRI ELECTRICE ȘI MATERIALE ELECTROTEHNICE
Ramura de știință: INGINERIE ELECTRICĂ, ELECTRONICĂ ȘI TELECOMUNICAȚII
Domeniul de studii: INGINERIE ELECTRICĂ

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Conf.dr.ing. Alexandru Florentin TRANDABĂȚ

Data: 11.11.2025

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Candidat: Alexandru Florentin Trandabăț - Doctor în inginerie electrică din 14.08.2009 conform Ordinului Ministrului nr. 4698 din data de 14.08.2009

A. Teza de doctorat.

1. Contribuții privind utilizarea măsurărilor distribuite în cadrul sistemelor de asigurare a calității industriale, susținută în data de 13.03.2009, Universitatea Tehnică "Gheorghe Asachi" din Iasi, domeniul Inginerie Electrică, conducător de doctorat Prof. Dr. Ing. Ciobanu Romeo Cristian

B. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.

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C. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

1. Alexandru Florentin **Trandabăț**, Cristina Schreiner, Marius Pîslaru CERCETĂRI PRIVIND UTILIZAREA MĂSURĂRILOR DISTRIBUITE ÎN CADRUL SISTEMELOR DE ASIGURARE A CALITĂȚII INDUSTRIALE, 201 pg, Editura PIM 209, ISBN 978-606-520-673-1
2. Marius Pîslaru, Cristina Schreiner, Alexandru Florentin **Trandabăț** CERCETĂRI PRIVIND UTILIZAREA MODELELOR NEURO-FUZZY ÎN CADRUL SISTEMELOR DE ASIGURARE A CALITĂȚII 210 pg, Editura PIM 2010 ISBN 978-606-520-676-2
3. Alexandru Florentin **Trandabăț** MANAGEMENTUL CALITATII MEDIULUI VOL 2 152 pagini Ed. PIM 2025 ISBN 978-606-13-9530-9
4. Alexandru Florentin **Trandabăț** Adriana Mona Andrei Sisteme de monitorizare a temperaturii bazate pe NFC: de la senzori biomedicali la loggere industrial 2025, Ed. PIM 156 pagini ISBN 978-606-13-9531-6
5. **Trandabăț** Alexandru Managementul Proiectelor. Suport de curs Editura PIM 2015 202 pag. ISBN 978-606-13-1522895-6
6. Alexandru Florentin **Trandabăț** MANAGEMENTUL CALITATII MEDIULUI VOL 1, 152 pagini Ed. PIM 2025 ISBN 978-606-13-9529-3
7. **Trandabăț** Alexandru Managementul Proiectelor. Redactarea unei propuneri de tip Start-Up Editura PIM 2015 195 pag ISBN 978-606-13-2864-2
8. **Alexandru Florentin Trandabăț** Senzori, materiale funcționale tipărite și platforme IoT pentru aplicații de monitorizare a mediului și aplicații biomedicale, Editura STEF 2025, 215 pagini ISBN 978-630-324-569-0

D. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

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E. Cărți, si suporturi de curs/laborator (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

1. **Trandabăț** Alexandru Suport electronic seminar Managementul proiectelor de cercetare: modele Cerere de finanțare 67 pagini, resurse online platforma Teams <https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/EbPRYjF4vqhOkGAHzH92bx8BAbPG99jSRfkVoa0ifszaPw?e=ugdTt9>
2. **Trandabăț** Alexandru Suport electronic seminar Managementul proiectelor de cercetare: model studiu de impact 100 pagini, resurse online platforma Teams <https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/EbqXpQAQhFNGp2puQl9TBzoBnlZM9mpNWOzxkrMfo3gABw?e=4lXqEr>
3. **Trandabăț** Alexandru Suport electronic seminar Managementul proiectelor de cercetare: model Studiu de Piață 27 pagini, resurse online platforma Teams <https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/EajB7ocl8lxFiXzFCxIFCk0Bq0ZvjVcmwnEgVA2iSlgBRA?e=x2S5IR>
4. **Trandabăț** Alexandru Suport electronic seminar Managementul proiectelor de cercetare: model Studiu de fezabilitate 142 pagini, resurse online platforma Teams <https://tuiasiro.sharepoint.com/:b:/s/ManagementulProiectelordecercetare2025-2026/EYwqm32pnzRGtUINMwXYSmwBdIxzXGRWK-2fjTG0bz6TUA?e=yhQNBL>
5. **Trandabat** Alexandru Suport curs Sisteme Expert
Curs 1 Introducere in Sisteme expert 39 s
<https://tuiasiro.sharepoint.com/:b:/s/SistemeExpert579/IQA0pKyqXeo2QZJdqaAtOxIAAfiURvG7fSaENnHi43CBqyM?e=aDFDYA>
Curs2 Sisteme Expert- concept si definiții 42 s
https://tuiasiro.sharepoint.com/:b:/s/SistemeExpert579/IQBeruUAacieRIflcsUALjSJAW5MXe3rc1T_MzLAcWeyczY?e=4ABmDS
Curs 3 Formalizarea Problemelor 32 s
https://tuiasiro.sharepoint.com/:b:/s/SistemeExpert579/IQBR-EuJ5U2iT7ornXa4G_TLARMrCYsb3Mnlwds5NMINF9o?e=OqT4yG
Curs 4 Introducere in Clips 40 s
https://tuiasiro.sharepoint.com/:b:/s/SistemeExpert579/IQDEo66vOHkKSIY7oN0jU6T6AUq1mgyduvEt7j6oj_uGacA?e=SnKHAR
Curs 5 Utilizarea sistemelor de masurare distribuită în realizarea SE 53 s
<https://tuiasiro.sharepoint.com/:b:/s/SistemeExpert579/IQC4P9LsNoZQTbylUwJr29CyAUh4ZrftJMwsKMs5IDhlkE?e=9zGNY2>
6. **Trandabat** Alexandru Utilizarea Inteligentei Artificiale in în sinteza și generarea vorbirii. Îndrumar de laborator Sisteme Expert 50 P
https://tuiasiro.sharepoint.com/:b:/s/SistemeExpert579/IQCF-rvm_iowSqHBDotIfk_iARZHcTCc9lBKlRnIQ-pLNRe?e=OCvBwC

F. Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.

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2. **Trandabăț**, Alexandru Florentin; Ciobanu, Romeo Cristian; Schreiner, Oliver Daniel. Active Surfaces in Sensor Technologies Utilizing Ceramic Nanotube–Conducting Polymer Composites Containing Embedded Gold Nanoparticles. — *Coatings* 15(10):1211; (DOI <https://doi.org/10.3390/coatings15101211>). — 2025. IF=2.8 Q2 (25+2.8*20)/3
3. Schreiner, Oliver Daniel; **Trandabăț**, Alexandru F.; Ciobanu, Romeo Cristian; Schreiner, Thomas Gabriel. TiO₂ Ceramic Nanotubes-Conducting Polymer Assemblies with Embedded Gold Particles for Potential Use as Chemosensors in the Detection of Oral Diseases. — *Chemosensors* 13(4):117; DOI: 10.3390/chemosensors13040117. — 2025. IF=3.7 Q2 (25+3.7*20)/4
4. Damian, Radu F.; Pachiu, Cristina; Mocanu, Alexandra; **Trandabăț**, Alexandru; Ciobanu, Romeo Cristian. The Modeling of Electromagnetic Behavior in the High-Frequency Range of Al₂O₃ and TiO₂ Thermoplastic Composites in Support of Developing New Substrates for Flexible Electronics. — *Crystals* 15(7):637; DOI: 10.3390/cryst15070637. — 2025. IF=2.4 Q2 (25+2.4*20)/5
5. **Trandabăț**, Alexandru F.; Ciobanu, Romeo C.; Schreiner, Oliver Daniel; Schreiner, Thomas Gabriel; Aradoaei, Sebastian. Chemiresistors Based on Hybrid Nanostructures Obtained from Graphene and Conducting Polymers with Potential Use in Breath Methane Detection Associated with Irritable Bowel Syndrome. — *International Journal of Molecular Sciences* 25(10):5552; DOI: 10.3390/ijms25105552. — 2024. IF=4.9 Q1 (25+4.9*20)/5
6. **Trandabăț**, Alexandru Florentin; Ciobanu, Romeo Cristian; Schreiner, Oliver Daniel; Aradoaei, Mihaela; Aradoaei, Sebastian Teodor. Manufacturing of TiO₂, Al₂O₃ and Y₂O₃ Ceramic Nanotubes for Application as Electrodes for Printable Electrochemical Sensors. — *Crystals* 14(5):454; DOI: 10.3390/cryst14050454. — 2024. IF=2.4 Q2 (25+2.4*20)/5
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8. Baibarac, Mihaela; Paraschiv, Mirela; Cercel, Radu; Smaranda, Ion; Bartha, Cristina; **Trandabăț**, Alexandru. Correlated studies of photoluminescence, vibrational spectroscopy and mass spectrometry concerning the pantoprazole sodium photodegradation. — *Scientific Reports* 12:9515; DOI: 10.1038/s41598-022-13648-6. — 2022. IF=3.9 Q1 (25+3.9*20)/5

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10. Dana Bejan, Lucian Gabriel Bahrin, Corneliu Cojocaru, Alexandru Florentin **Trandabat**, Narcisa Laura Marangoci, Alexandru Rotaru & Sergiu Shova The use of C1 symmetry imidazole-carboxylate building block and auxiliary acetate co-ligand for assembly of a 2D wave-like zinc(II) coordination polymer: experimental and theoretical study Pages 2250-2264 | Received 21 Apr 2020, Accepted 11 Aug 2020, Published online: 22 Sep 2020 Cite this article <https://doi.org/10.1080/00958972.2020.1818727> Aug 17 2020 JOURNAL OF COORDINATION CHEMISTRY 73(16), pp.2250-2264 WOS:000571955900001 IF=2.1 (25+0.9*20)/5
11. Bejan, Dana; Dascălu, Ioan-Andrei; Shova, Sergiu; Trandabăţ, **Alexandru F.**; Bahrin, Lucian G. Mesitylene Tribenzoic Acid as a Linker for Novel Zn/Cd Metal-Organic Frameworks. — *Journal of Coordination Chemistry* 73(16):2250–2264; DOI: 10.1080/00958972.2020.1818727. — 2020 (online 2020; în lista inițială 2022). IF=3.2 Q2(25+3.2*20)/5
12. Postolache G; **Trandabat** A, Plopa O; Girao PS; Postolache O; Wearable Devices for Studying Microvascular Reactivity - It Is Feasible?2019 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB) NOV 21-23, 2019 IEEE Romania Sect, IEEE EMB Romania Chapter, IEEE EMC Romania Chapter, IEEE Signal Proc Romania Chapter, IEEE SMC Romania Chapter 978-1-7281-2603-6 2019; WOS:000558648300137 25/5
13. Porumb Vlad; **Trandabăţ** Alexandru Florentin; Terinte Cristina; Căruntu Irina-Draga; Porumb-Andrese Elena; Dimofte Mihail Gabriel; Pieptu Dragoş. Design and Testing of an Experimental Steam-Induced Burn Model in Rats. — *BioMed Research International* 2017:9878109; DOI: 10.1155/2017/9878109. — 2017. IF=2.583 Q2 (25+2.583*20)/7
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15. Oana, Tanase Irina; Constantin, Pavli; Alexandru, **Trandabat** Virtual instrumentation appliance in reproduction biotechnologies used in domestic fends CURRENT OPINION IN BIOTECHNOLOGY Volume24 Page S58-S59 DOI10.1016/j.copbio.2013.05.149 JUL 2013 IF 8.035 Q1 (25+8.035*20)/3
16. **Trandabăţ** A., Pîslaru M., Trandabăţ D. SiadEnv safety and communication features in real life scenarios Advanced Engineering Forum Vols. 8-9 (2013) pp 195-204© (2013) Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AEF.8-9.195, WOS:000323184000022 ISBN 978-3-03785-785-4, ISSN 2234-9898 — 2013. 25/3
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18. Pîslaru, Marius; **Trandabăț**, Alexandru; Avasilcai, Silvia. NEURO-FUZZY MODEL FOR ENVIRONMENTAL IMPACT ASSESSMENT. — Environmental Engineering and Management Journal 10(3):381–386. WOS:000290921300009 — 2011. IF=0.9 (25+0.9*20)/3
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22. Kim, Ik Jin; Zhao, Wei; Chung, Jeong Ho; Olarin, Marius; **Trandabăț**, Alexandru F.; Ciobanu, Romeo-Cristian. Effect of interconnected molecular types on the packing rate of self-assembled monolayers of TMA-A zeolite nanocrystals on glass. — Journal of Ceramic Processing Research 11(3):303–307. — 2010 WOS:000280125600004. IF= 1.1 Q2 (25+1.1*20)/6
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25. **Trandabăț**, Alexandru; Brânzilă, Marius; Donciu, Codrin; Pîslaru, Marius; Ciobanu, Romeo Cristian. Using GPS technology and distributed measurement system for air quality mapping of residential area. — Environmental Engineering and Management Journal 6(6):545–548; DOI: 10.30638/eemj.2007.069. WOS:000254832000012 — 2007. IF=0.9 (25+0.9*20)/5
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36. **Trandabat** A; Pislaru M; Varga C; Hanganu S; Aspects related to an interactive Internet based laboratory for the electrical engineering field OPTIM 2004: PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOL 4 Page191-198 WOS:000255387700038 ISBN 978-973-635-289-8 — 2004 25/4
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38. Ciobanu, Romeo Cristian; Aradoaei, Sebastian; **Trandabăț**, Alexandru; Constantinescu, Gheorghe. Technological analysis via dielectric spectroscopy of materials containing recycled PET and wood derivatives. — Proceedings of the 2004 IEEE International Conference on Solid Dielectrics (ICSD), Toulouse, pp. 462–465; DOI: 10.1109/ICSD.2004.1350390. WOS:000223357100115 — 2004. 25/4
39. **Trandabăț**, Alexandru; Pîslaru, Marius; Avasilcai, Silvia. Distributed measurement systems, internet and artificial intelligence: An integral part of the management and the industrial technology of the future. — Management of Technological Changes (Book 1), pp. 153–157. WOS:000250080100024 — 2003 25/3
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41. Pîslaru, Marius; **Trandabăț**, Alexandru; Avasilcai, Silvia. Neuro-fuzzy modelling of production process. — Management of Technological Changes (Book 1), pp. 129–133. WOS:000250080100020 — 2003. 25/3
42. Monge, J.; Postolache, O.; Plopa, O.; **Trandabăț**, Alexandru; Schreiner, O.; Schreiner, T. Glucose Detection in Sweat using Biosensors. — 2019 E-Health and Bioengineering Conference (EHB), Iași, pp. 1–5; DOI: 10.1109/EHB47216.2019.8970023. — 2019. WOS:000558648300153 25/6
43. **Trandabat** A; Pislaru M; Ciobanu R; Virtual instrumentation and virtual laboratories: The key for the continues personnel education and training MANAGEMENT OF TECHNOLOGICAL CHANGES, BOOK 1 Page159-163 WOS:000250080100025 ISBN 978-960-8475-03-8— 2002 25/3
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G.Lucrări științifice publicate în reviste din străinătate.

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H.Lucrări științifice publicate în reviste din țară, recunoscute CNCSIS.

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I. Lucrări științifice publicate în volumele conferințelor.

1. Ciobanu, Romeo Cristian; **Trandabat**, Alexandru Florentin; Aradoaei, Mihaela; Pachiu, Cristina; Suche, Mirela ; Dumitrache, Monica Innovative Analysis of Electromagnetic Shielding Effect of Composite Materials using Specific Absorption rate of Electromagnetic Energy SIELMEN 15th international Conference on Electromechanical and energy systems 16-17 oct. Chisinau- 2025
2. Schreiner Oliver; **Trandabăț** Alexandru; Aradoaei Mihaela; Machidon Radu; Chiriac C.-V. Electrochemical Sensor for Carbon Monoxide Testing Based on Carbon Nanofiber – Conductive Polymer Electrodes. — 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEi), Iași, pp. 242–246; DOI: 10.1109/EPEi63510.2024.10758086. — 2024
3. Schreiner Oliver; **Trandabăț** Alexandru; Aradoaei Mihaela; Machidon Radu. Electrochemical Characteristics of Electrodes Based on Nanocarbon. — 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEi), Iași, pp. 237–241; DOI: 10.1109/EPEi63510.2024.10758100. — 2024
4. **Trandabăț** Alexandru; Schreiner Oliver; Aradoaei Mihaela; Chiriac C.-V. Physico-Chemical Analysis of Electrodes Based on Nanocarbon. — 2024 IEEE International Conference and Exposition on Electric and Power Engineering (EPEi), Iași, pp. 247–250; DOI: 10.1109/EPEi63510.2024.10758082. — 2024.
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J. Invenții.

K. Contracte de cercetare.

Granturi/proiecte câștigate prin competiție internațională – Director de proiect

1. 01.09.2024-30.08.2027 - I3-2023-INV1 Type of Action: I3-PJG (I3 Project Grants) Number: 210990180 acronym: inkjet-bioAM Type of Model Grant Agreement: I3 Action Grant Budget-Based Enabling multi-material inkjet printing for improved healthcare in biomedical production in Europe
2. PNIII - ERANET, COFUND-MANUNET, nr. 16/2018, UEFISCDI "Îmbunătățirea tehnologiilor de printare pentru fabricarea economică a sistemelor de analiză tip Point of Care", acronim PRINTPoC 01.04.2018-31.03.2020

Granturi/proiecte câștigate prin competiție națională – Director de proiect

1. CONTRACT SUBSIDIAR NR. 7563/02.06.2020 TITLU PROIECT Sistem integrat de control al calitatii apei din panza freatica pe baza de senzori electrochimici Cod SMIS 105581 valoare 1.439.440lei 1.07.2020-1.07.2022
2. Contract 103/2003, CONTRIBUTII PRIVIND UTILIZAREA MASURARILOR DISTRIBUITE IN CADRUL SISTEMELOR DE ASIGURARE A CALITATII INDUSTRIALE, 04.2003-10.2005, Valoare UTI 11250.00, Grant TD /CNCSIS
3. Contract 5939/18.09.2006, CONTRIBUTII PRIVIND UTILIZAREA MASURARILOR DISTRIBUITE IN CADRUL SISTEMELOR DE ASIGURARE A CALITATII INDUSTRIALE, perioada 09.2006-12.2006, Valoare UTI 7000.00, CEEX M2 MD /CNCSIS
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4. Start-Up POS-CCE O 2.3.1 ID proiect 1368, COD SMIS 40789 Contract nr. 471/30.05.2013 fonduri UE autoritatea contractanta: ANCS NANO-CARPOL "Noi senzori hibridi bazați pe nanostructuri de carbon și polimeri electroactivi, cu aplicații intersectoriale" <http://www.poscce.research.ro/uploads/competitii/o231/rezultate-sectie-evaluare-o231-ix.doc>
5. PN-II-RU-PD-2009, cod CNCSIS 342, Contract 50/2010/UEFISCDI Sistem distribuit de inteligenta ambientala, destinat eficientizarii consumului de resurse energetice și naturale în cladiri cu diverse functionalitati
http://cnscis.gov.ro/userfiles/file/PROIECTE%20PD%20COMPETITIA%202009/REZULTATE%20PD_DOMENIU%202_3.pdf

Granturi/proiecte câștigate prin competiție internațională – membru in echipa de proiect

1. PNIII - ERANET MANUNET, nr: 96/2019, UEFISCDI "Dispozitive flexibile și elastice printate 4D de captare a energiei piezoelectrice, bazate pe elastomeri inovativi elctro-adaptabili", acronim 4DPrintEN 1.06.2019-31.05.2021

2. ERA NET, nr. 7-038/2011 "Dezvoltarea de bio-senzori prin intermediul unei tehnologii inovative de electroacoperire a structurilor carbonice cu polimeri activi" 13.05.2011-20.12.2013
3. M-ERA.NET, nr. 9/2015 "Senzori integrați cu caracteristici microfluidice folosind tehnologia LTCC" 02.11.2015-29.12.2017
4. M-ERA.NET, nr. 51/2016 „Nanomateriale și arhitecturi inovatoare pentru aplicații integrate de captare a energiei piezoelectrice” 01.06.2016-01.06.2019
5. Contract 031891/2006 , REMOTE INSTRUMENTATION IN NEXT-GENERATION GRIDS, perioada 09.2006-09.2008, Valoare UTI 84018.00, SSA FP6-IST / CE
6. STEWART contract 22/2018 SorTing system for dEmolition Waste based on advanced RoboTics 99.200 euro 24 luni
7. Contract 2003-3.4.2.1-2 / STRP 013641 , MATERIALE INTELIGENTE TIP CHIRAL-FAGURE PENTRU APLICATII MULTISECTORIALE , perioada 04.2005-09.2008, Valoare UTI 1527600.00, STRP NMP /CE
8. Low-cost and energy-efficient LTCC sensor/IR-UWB transceiver solutions for sustainable healthy environment (SENSEIVER)
9. SUStainable management of toxic pollutants in Central Asia: towards a Regional Ecosystem Model for environmental security – SUSCAREM, Contract NATO 983931/2010 48 luni 16.500 euro
10. Shielding and absorbent panels for special purposes, based nano structured composites with predefined architecture and customised dielectric and EMC properties – EMROTUPAN, Contract 63CB/2008 18 luni 41.151 euro
11. Thin Film of Nanoporous Silica Zeolite Crystals on Ceramics for Low-Dielectric Constant Materials - FI LOW EPS, Contract 64CB/2008 18 luni 55.000 euro
12. International (Bilateral Ro-Bulgaria) Instrumentatie la distanta pentru noile griduri regionale dedicate/ Remote instrumentation for new dedicated regional GRIDS (RINGRID), Contract 62CB/2008 35836 euro 18 luni
13. International (Bilateral Ro-Cipru) Compozite polimerice nano-active avansate cu metale rare și oxizi metalici, pentru aplicații în microelectronică în domeniul GHz/ Advanced nano-active composites of polymers (having b-ketoester functionalities) with rare metals and metal oxides, for microelectronic applications at GHz domain - RO-CY-NANOXPOL, Contract 436/2011 10.882 24 luni
14. International – MANUNET Robot multi-articulat cu miscari 3D independente pentru operatiuni de pozitionare precisa/ Articulated robot with independent 3D-motion for precise positioning operations – ROBOBUID, Contract 7-061/2012 19 luni 223.910 euro
15. International (Bilateral Ro- Grecia) Dezvoltarea de bio-senzori implantabili dedicati evaluării neurotransmițătorilor, bazați pe depuneri de compozite polimerice conjugate pe structuri carbonice nano-poroase/ Development of implantable bio-sensors for neurotransmitters evaluation, based on electrochemically coated conjugated polymer composites on carbon nano-porous structures – CarPolSense, Contract 567/2012 8.385 euro 19 luni

Granturi/proiecte câștigate prin competiție națională – membru în echipa de proiect

1. Contract 72-173/2008 SISTEM VIDEO AUTOMATIZAT CU GRAD RIDICAT DE INTERSCHIMBABILITATE PENTRU ETALONARE METROLOGICĂ A ECHIPAMENTELOR DE MĂSURARE, perioada 2008-2011, Contract 1130000 RON, PN2 Parteneriate / CNMP
2. POC 2014-2020, A1.2.3. ID P_40_443, cod MySMIS:105689, ct nr. 86 / 08.09.2016, Ctr. subsidiar nr. 6353/25.09.2017// 392/28.09.2017 „Parteneriate pentru transfer de cunoștințe în domeniul materialelor polimere folosite în ingineria biomedicală”, acronim POINGBIO 04.12.2017-03.12.2019
3. POC-A1- A1.1.4 – E-2015 ID 37 766, ct. 68/08.09.2016, SMIS 103847 ANCSI "Diversificarea activității de CD prin elaborarea de platforme nano-senzoriale pentru detecția electrochimică și cuantificarea unor bio- și imuno-markeri cu aplicații medicale, de mediu și securitate", acronim NANO-IMUNELCHIM-PLAT 08.09.2016-07.09.2020
4. Contract 51-015/2007 METODOLOGIE DIELECTRICA NEDISTRUCTIVA, NEINVAZIVA, COMPARATIVA DE DETECTARE RAPIDA A INGREDIENTILOR CU POTENTIAL FACTOR DE RISC PENTRU SANATATE DIN PRODUSELE ALIMENTARE, perioada 09.2007- 09.2010, Valoare UTI 1050000.00 PN2 Parteneriate / CNMP
5. Contract 132/2007, REMOTE INSTRUMENTATION IN NEXT-GENERATION GRIDS, perioada 04.2007-07.2008, Valoare UTI 90160.00, CORINT / CNMP
6. NANOCOMPOZITE POLIMERICE CONDUCTIVE CU STRUCTURA PREDEFINITA SI PROPRIETATI DIELECTRICE SI EMC DEDICATE ECRANARII SI REALIZARII DE PANOURI ABSORBANTE PENTRU CLADIRI SPECIALE PN II ERA NET 7-014/2008 2009 -2010
7. PARTENERIAT PENTRU CERCETARE DE EXCELENȚA ÎN DEZVOLTAREA APTITUDINILOR ANTREPRENORIALE SI A CAPITALULUI UMAN COMPETITIV ÎN ECONOMIA SI SOCIETATEA BAZATE PE CUNOASTERE SI INOVARE PN II Parteneriat 91-069/2007 2007 - 2010
8. Contract 202/2006, DEZVOLTAREA PARTENERIATELOR C/D PRIN INCLUDEREA EXCELENȚEI ROMANEȘTI, ÎN VEDEREA PROMOVĂRII DE PROIECTE COMUNE ÎN DOMENIUL MATERIALELOR AVANSATE NANOSTRUCTURATE DESTINATE ECRANELOR DE PROTECȚIE LA RADIATII ELECTOMAGNETICE ÎN DOMENIUL GHZ, perioada 09.2006-09.2008, Valoare UTI 150000.00, CEEX M3 / CNMP
9. 51 / 2006, SISTEM INTELIGENT DE IRIGARE DE PRECIZIE IMPLEMENTABIL PE STRUCTURI AUTOMATE CU DEPLASARE CIRCULARA SAU LINIARA, perioada 2006 - 2008, Valoare UTI 467300, Program CEEX USAMV - AGRAL
10. Contract 201/2006, DEZVOLTAREA PARTENERIATELOR CD ÎN VEDEREA PROMOVĂRII UNOR PROIECTE EUROPENE ÎN DOMENIUL SISTEMELOR DISTRIBUITE DE MONITORIZARE A MEDIULUI, perioada 2006-2008, Valoare UTI 155400, Program CEEX CNMP M3
11. Contract 57/2006, SISTEM INTEGRAT DE INSPECȚIE VIDEO-INTELIGENTĂ A MATERIALELOR TEXTILE DEZVOITAT PRIN METODE VIRTUALE DE

- PROCESARE A IMAGINII, perioada 2006-2008, Valoare 499000.00, CEEEX - MODUL 1 CNMP
12. 46/2006, ECRANE PENTRU CONSTRUCTII SPECIALE BAZATE PE STRUCTURI CHIRAL-FAGURE , perioada 09.2006-09.2008, Valoare UTI 555000.00, CEEEX M1/ MATNANTECH
 13. SISTEM DE MASURARE DISTRIBUITA DEZVOLTAT PRIN METODE DE INSTRUMENTATIE VIRTUALA A.Ad. 33557/2003, cod 330, T.57 GR. 33371/2004, cod 330, T. 847
 14. Contract 137 / 2006, SISTEM INFORMATIC DE INSTRUIRE INTERACTIVA BAZAT PE ALGORITMI MULTITASK DE MARE VITEZA DEZVOLTAT PE PLATFORMA RECONFIGURABILA ONLINE PENTRU APLICATII DE TIP LABORATOR VIRTUAL, perioada 2006-2008, Valoare UTI 606160, Program CEEEX CNMP - INFOSOC
 15. Contract 115/2006, MATERIALE INTELIGENTE TIP CHIRAL-FAGURE PENTRU APLICATII MULTISECTORIALE (SI EXTINDEREA APLICATIILOR PROPUSE INITIAL PENTRU DOMENIUL PROTECTIEI LA RADIATII ELECTROMAGNETICE - PRIN MATERIALE SI TEHNOLOGII AVANSATE PENTRU CONSTRUCTII SPECIALE), perioada 09.2006-09.2008, Valoare UTI 659383.00, CORINT / CNMP
 16. Contract 79/2006, BIOCOMPOZITE OBTINUTE PRIN RECICLAREA DESEURILOR DE PET SI UTILIZAREA DE DERIVAȚI LIGNO-CELULOZICI, 09.2006-09.2008, 720000.00, CEEEX M1/ MATNANTECH
 17. Contract 173/2006, DEZVOLTATEA CAPACITATII DE INTEGRARE A ROMANIEI IN CADRUL PROGRAMELOR, PLATFORMELOR SI RETELELOR EUROPENE IN DOMENIUL METODELOR COMPARATIVE NEINVAZIVE SI NEDISTRUCTIVE DE ANALIZA A CALITATII SI SIGURANTEI ALIMENTELOR, perioada 09.2006-09.2008, Valoare UTI 150000.00, CEEEX M3 / CNMP
 18. Contract 179/2006, DEZVOLTAREA CAPACITATII DE INTEGRARE A ROMANIEI IN CADRUL PROGRAMELOR, PLATFORMELOR SI RETELELOR EUROPENE IN DOMENIUL METODELOR COMPARATIVE NEINVAZIVE SI NEDISTRUCTIVE DE ANALIZA A CALITATII SI SECURITATII ALIMENTELOR, perioada 09.2006-09.2008, Valoare UTI 130000.00, CEEEX M3 / CNMP
 19. Contract 550/2005, PLATFORME VIRTUALE SI DISTRIBUITE PENTRU DESIGN-UL, MONITORIZAREA PERFORMANTELOR SI DIAGNOZA SISTEMELOR ELECTROMECHANICE, perioada 04.2005-10.2007, Valoare UTI 120000.00, Grant A /CNCSIS
 20. Contract 489/2004, METODE AVANSATE DE PROIECTARE SI TESTARE A SISTEMELOR DE IZOLATIE DESTINATE FUNCTIONARII IN CONDITII EXTREME SI TOLERANTE LA DEFECTARE, 04.2004-10.2006, Valoare UTI 150000.00, Grant A /CNCSIS

L. Premii, distincții.

1. Best awarness level in FP7-ICT Grant schemes and current projects in Software Services
2. PN-III-P1-1.1- PRECISI-2017- 20268— New experimental model for single liver lobe hyperthermia in small animals using non-directional microwaves. S c i e n. PLoS One.
3. PN-III-P1-1.1- PRECISI-2017- 19631 Design and Testing of an Experimental Steam-Induced Burn Model in Rats — BioMed Research
4. Premierea rezultatelor cercetarii - Articole, Competitia 2021 Ceramic Nanoparticles on the Thermoplastic Polymers Matrix: Their Structural, Optical, and Conductive Properties
5. PN-IV-P2-2.3- PRECISI-2023- 68866 Mesitylene Tribenzoic Acid as a Linker for Novel Zn/Cd Metal-Organic Frameworks
6. PN-IV-P2-2.3- PRECISI-2023- 82683 Correlated studies of photoluminescence, vibrational spectroscopy and mass spectrometry concerning the pantoprazole sodium photodegradation - Scientific Reports
7. Premiul accelerator de afaceri, BringITon / 19.11.2016, Cercetare - transfer tehnologic
8. Premiul MENTORSHIP , BringITon / 19.11.2016
9. Premiul pentru cea mai bună prezentare de lucrare – secțiunea B INTERIN 2013

M. Alte realizări semnificative.

11.11.2025