

PERSONAL INFORMATION

Florin DRAGOMIR



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Gender Male | Date of birth 25/04/1978 | Nationality Romanian

WORK EXPERIENCE

2003 – present

Full Profesor (2020-present), Associate Professor (2015-2020), Assistant Professor (2011-2015), Teaching Assistant (2005-2011), Preparator (2003-2005)

Automation, Computer Science and Electrical Engineering Department
 Faculty of Electrical Engineering, Electronics and Information Technology
 Aleea Sinaia Street, no. 13, 130004, Târgoviște
 +40. 245217683 – E-mail: fie@valahia.ro – <http://fie.valahia.ro>
 Valahia University of Târgoviște
 +40. 245206101 – E-mail: rectorat@valahia.ro – www.valahia.ro

- Didactic activities: lecture and laboratory
- Coordination of graduation and dissertation projects
- Research activities
- Administrative activities within AIEE Department

EDUCATION AND TRAINING

2020

Habilitation degree (in the field of Systems Engineering)

Petroleum-Gas University of Ploiesti (Romania)
 Thesis Title: "Integration of Industry 4.0 concepts in processes control"

2005-2009

Doctorate's degree (in the field of Automatics)

Polytechnic University of Bucharest (Romania)
 Thesis Title: "Contribution to low voltage electrical networks with distributed renewable energy generation control (PD- RES) using fuzzy controllers". Prof. Coord.: Sergiu Stelian ILIESCU

2003-2004

Master's degree equivalent

Valahia University of Târgoviște (Romania), Faculty of Electrical Engineering
 Modern systems for process control and for information processing and transmission

1997-2002

Engineering degree

Valahia University of Târgoviște (Romania), Faculty of Electrical Engineering
 ▪ Automation and Industrial Informatics

1993-1997

High School Diploma

"Voievodul Mircea" High School, Târgoviște
 Informatics Department

PERSONAL SKILLS AND COMPETENCES

Mother tongue(s)

Romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	B1	B1	B1	B1	B1
Linguistic competence certificate no. 5579. Valahia University in Târgoviște					
English	B2	B1	B2	B2	B1

Levels: A1/2: Elementary user - B1/2: Independent user - C1/2: Experienced user
Common European Framework of Reference for Languages

Communication competences

- Good communication competences acquired by holding interactive course lectures and scientific communications
- Good communication competences acquired by interacting with students during course, seminary and laboratory activities
- Good communication competences developed by interacting with students as year coordinator
- Good collegial and professional communication competences

Organizational/management competences

- Director (presently VUT responsible within the research project PN-II-RU-PD-2012-3-0591/83 – A New On-Chip Magnetically-Actuated Mobile Microrobotic Agent and Embedded Control System (MicRoMag)
- Director (presently VUT responsible within the research project PN-II-PT-PCCA-2011-3.2-1616/42 – Intelligent decision support system for the low voltage grid with distributed power generation from renewable energy resources (InDeSEn)

Competences acquired at the workplace

- Member of the following professional associations and research structures
- Editorial board member of „ International Journal of Advanced Renewable Energy Research (IJARER)”, German Science & Technology Press, Publication Center: Rhineland-Palatinate, Germany, ISSN: 2251-9408, <http://www.grsci-techpress.org/index.php/IJARER/about/editorialPolicies#sectionPolicies>
 - Member of Romanian National Committee of World Energy Council (http://www.cnr-cme.ro/CD_Ordine_zi/Structura_Consiliul_Stiintific_2013.pdf)

Professional competences

- Microcontroller and PLC application;
- Implementation, identification and control systems;
- Microcontroller code programming (assembler - Microchip Mplab IDE, C – MikroC, Basic - MikroBasic);
- PLC programming (Ladder Diagram and Function Block Diagram);
- Virtual instrumentation and data acquisition (National Instruments LabVIEW);
- Industrial programmable controllers (Siemens PLCs, Step7);
- Software programming (Turbo Assembler, Borland C) and scientific programming software (Matlab – Simulink).

Driving license

- B

ADDITIONAL INFORMATION

- ISI Publications** Articles in specialized magazines and in volumes of scientific manifestations indexed in ISI proceedings
- Sensors – 2019 (Vol. 19)
 - Journal of Science and Arts – 2018 (vol. 43); 2019 (vol. 19)
 - Studies in Informatics and Control – 2015 (vol. 24);
 - Energies – 2015 (vol. 8);
 - Procedia Computer Science – 2014 (vol. 31);
 - Advanced Materials Research – 2014 (vol. 918); 2012 (vol. 512-515)
 - Applied Mechanics and Materials – 2014 (vol. 734), 2013 (vol. 368 - 370), 2013 (vol. 291-294);
 - Journal Applied Engineering Sciences – 2014 (vol. 1);
 - Energy Procedia - 2012 (vol. 14);
 - Solid State Phenomena – 2010 (vol. 166-167);
 - AIP Conference Proceedings, Intelligent systems and automation – 2009 (vol. 1107);
 - Proceedings of the International Conference on Control and Computing (ICSTCC) – 2015, 2018, 2019
 - Proceedings of the SGEM GeoConference on Energy and Clean Technologies – 2016, 2017, 2018
 - Proceedings of the International Conference on Control, Decision and Information Technologies (CoDIT) – 2014, 2016
 - Proceedings of the International Conference on Automation, Quality and Testing, Robotics (AQTR 2014) – 2014;
 - Proceedings of the 2014 International Conference on Control Engineering and Automation (ICCEA2014) – 2014;
 - Proceedings of the 8th IEEE Conference on Industrial Electronics and Applications (ICIEA 2013) – 2013;
 - Proceedings of the 4th International Symposium on Electrical and Electronics Engineering (ISEEE2013) – 2013;
 - Proceedings of the 18th IEEE Mediterranean Conference on Control and Automation (MED2010) – 2010;
 - Proceedings of the 8th IEEE World Congress on Intelligent Control and Automation (WCICA2010) – 2010;
 - Proceedings of the 17th Mediterranean Conference on Control and Automation (MED'09) – 2009;
 - Proceedings of the 7th IEEE International Conference on Control & Automation (ICCA2009) – 2009.
- BDI Publications** Research activity (A2). Articles in magazines and volumes of scientific manifestations indexed in other international databases (BDI)
- Electrotehnica, Electronica, Automatica (EEA) - 2018 (vol. 66)
 - Journal of Applied and Physical Sciences – 2017 (vol. 3(1))
 - Scientific Bulletin of Electrical Engineering Faculty – 2016 (nr. 1), 2015 (vol. 25), 2013 (vol. 21), 2013 (vol. 23), 2011 (vol. 15), 2009 (vol. 10), 2008 (vol. 9)
 - Journal of Computer Science and Control Systems - 2009 (Vol. 2)
 - Petroleum-Gas University of Ploiesti Bulletin, Technical Series - 2009 (Vol. LXI)
 - Proceedings of the International Conference on Mathematical Methods, Mathematical Models and Simulation in Science and Engineering (MMSSE 2015)
 - Proceedings of the 2014 IEEE International Conference on Robotics and Biomimetics (RoBio2014)
 - Proceedings of the 28th European Photovoltaic Solar Energy Conference and Exhibition (EU PVSEC 2013)
 - Proceedings of UKSim-AMSS 6th European Modelling Symposium on Mathematical Modelling and Computer Simulation (EMS2012)
 - Proceedings of the 8th International Conference on Informatics in Control, Automation and Robotics, (ICINCO 2011)
 - Proceedings of the 19th Mediterranean Conference on Control and Automation (MED2011)
 - Proceedings of the 8th Asian Control Conference (ASCC2011)
 - Proceedings of the 9th IEEE World Congress on Intelligent Control & Automation (WCICA2011)
 - Proceedings of the IEEE International Energy Conference and Exhibition (EnergyCon'10)
 - Proceedings of the 12th IFAC Symposium on Large Scale Systems: Theory and Applications, (LSS2010)
 - Proceedings of the 8th IEEE International Conference on Control & Automation (ICCA'10)
 - Proceedings of the IEEE International Conference on Automation and Logistics (ICAL2010)
 - Proceedings of the 29th Chinese Control Conference (CCC2010)
 - Proceedings of the 25th European Photovoltaic Solar Energy Conference and Exhibition (25th EU

PVSEC)

- Proceedings of the European Control Conference (ECC'09)
- Proceedings of the 13th IFAC Symposium on Information Control Problems in Manufacturing (INCOM'09)
- Preprints of the 4th International Conference on Management and control of Production and Logistics (MCPL 2007)

Projects manager

Research projects won by competition. Project Director/Coordinator

- Research project, Cod: PN-III-P2-2.1-PED-2016-1675, No. contract 132PED/2017 - Sistem microrobotic mobil pentru manipularea/sortarea de organisme unicelulare (RoBoCell), The Executive Unit for Financing Higher Education, Research, Development and Innovation (UEFISCDI), 18 months, 2017-2018, The value of financing: 600.000 lei, <http://robocell.icstm.ro/>
- Research project, Cod: PN-III-P2-2.1-BG-2016-0075, No. contract 62BG/2016 - Integrated system for characterization and performance evaluation of photovoltaic systems (SICEPV), The Executive Unit for Financing Higher Education, Research, Development and Innovation (UEFISCDI), 24 months, 2016-2018, The value of financing: 460.000 lei, <http://sicepv.valahia.ro/>
- Research project, Cod: PN-II-RU-PD-2012-3-0591/83, No. contract 83/2013 – A New On-Chip Magnetically-Actuated Mobile Microrobotic Agent and Embedded Control System (MicRoMag), The Executive Unit for Financing Higher Education, Research, Development and Innovation (UEFISCDI), 30 months, 2013-2015, The value of financing: 299.981 lei, <http://micromag.valahia.ro/>
- Research project, Cod: PN-II-PT-PCCA-2011-3.2-1616/42, No. contract 42/2012 - Intelligent decision support system for the low voltage grid with distributed power generation from renewable energy resources (InDeSEn), The Executive Unit for Financing Higher Education, Research, Development and Innovation (UEFISCDI), 56 months, 2012-2016, The value of financing: 4.000.000 lei, <http://indesen.ats.com.ro/>
- Educational project, cod SMIS: POCU/320/6/21/122333, contract de finanțare nr. 9680/07.02.2019 - Title: "Oferte educaționale noi și flexibile în învățământul terțiar universitar și non-universitar tehnic conforme cu cerințele pieței muncii în schimbare", Proiect cofinanțat din Fondul Social European prin Programul Operațional Capital Uman 2014-2020, Axa prioritară 6: „Educație și competențe”, 2019 – 2021, The value of financing: 5.997.102,69 lei (total), 534.060,00 lei (UVT), <http://pocu122333.utcb.ro/>

Awards

- ➔ First prize in competition 2015 IEEE Mobile Microrobotics Challenge, section: "MMC Showcase & Poster Session Winner", Seattle, USA:
 - title: MicRoMag – An Open Source Microrobotic Project
UVT Romania: Florin Dragomir, Ioan Alexandru Ivan, Mihaela Ivan, Valentin Gurgu, Nicolae Rădulescu
- ➔ First prize in competition 2016 IEEE Mobile Microrobotics Challenge, sections: "Mobility Challenge and "Best in Show", Stockholm, Suedia:
 - title: MicRoMag – An Open Source Microrobotic Project
UVT Romania: Florin Dragomir, Ioan Alexandru Ivan, Ioana Dulama, Valentin Gurgu, Alin Bucurică, Nicolae Rădulescu
- ➔ First prize in competition 2017 IEEE Mobile Microrobotics Challenge, section: "Microassembly Challenge", Singapore:
 - title: MicRoMag – An Open Source Microrobotic Project
UVT Romania: Florin Dragomir, Ioan Alexandru Ivan, Ioana Dulama, Valentin Gurgu, Alin Bucurică, Nicolae Rădulescu
- ➔ First prize in competition 2018 IEEE Mobile Microrobotics Challenge, sections: "Autonomous Mobility & Accuracy Challenge", "Microassembly Challenge" and "MMC Showcase & Poster Session", Brisbane, Australia:
 - title: MicRoMag – An Open Source Microrobotic Project
UVT Romania: Florin Dragomir, Ioan Alexandru Ivan, Ioana Dulama, Valentin Gurgu, Alin Bucurică, Nicolae Rădulescu

ANNEXES

- 1. Significant publications

Date:
04.12.2020

Signed: 