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Short bio

- Bachelor's degree in Automatic Control and Industrial Informatics (1998), Petroleum-Gas University of Ploiești
- Research engineer at the Automatic Control, Computers and Electronics Department, Petroleum-Gas University of Ploiești (1998-1999)
- Teaching assistant at the Automatic Control, Computers and Electronics Department, Petroleum-Gas University of Ploiești (1999-2001)
- Research stage in control systems dynamics for distillation columns at Institut für Regelungstechnik, Universität Stuttgart (2001)
- Assistant professor at the Automatic Control, Computers and Electronics Department, Petroleum-Gas University of Ploiești (2001-2004)
- Lecturer at the Automatic Control, Computers and Electronics Department, Petroleum-Gas University of Ploiești (2004-2008)
- PhD Degree in Systems Engineering (April 2005) with thesis "Hierarchical Control System for a Gas Processing Unit"
- Associate professor at the Automatic Control, Computers and Electronics Department, Petroleum-Gas University of Ploiești (2008-present)
- Secretary of the Romanian Society of Automatic Control and Technical Informatics – Ploiești subsidiary
- Head of the Automatic Control Group from the Automatic Control, Computers and Electronics Department, Petroleum-Gas University of Ploiești (since 2017)

Research interests

- Cyber physical systems, Industrial Internet of Things, Industry 4.0, Resilience, Cybersecurity of control systems, WSN
- Numerical Computing: Numerical algorithms library of numerical methods, optimization algorithms
- Modelling and simulation of control systems for chemical processes
- Building knowledge bases, fuzzy rule bases and models based on intelligent agents, Decision Support Systems, Machine Learning, Fuzzy Control Systems
- Prediction and Forecasting models for Environmental Pollution Control

Teaching courses

- Sensors and Transducers
- Actuators
- Automatic Control Engineering
- Industrial Automation
- Advanced Control Algorithms
- Multimedia Systems

Scientific activity, publications and research projects

- over 50 scientific papers in process control area, in national and international conferences and journals
- Project manager in 1 project, member of research team in more than 40 research projects (www.rokidair.ro)
- Reviewer for relevant journals for industrial control systems area from SAGE Publishing, Elsevier, IEEE Sensor Letters MDPI etc.
- Member in scientific committees for International Conference on Electronics, Computers & Artificial Intelligence (ECAI 2015-2021), International Conference on Enterprise Architecture and Information Systems (EAIS 2016-2021) etc.