



University POLITEHNICA of Bucharest
Faculty of Automatic Control and Computers

Splaiul Independenței nr.313, sector 6, cod 060042,
Bucharest, ROMANIA



Professor Dr. Eng. Decebal Popescu

PhD coordination in “Computers and Information Technology”
Doctoral School of Automatic Control and Computers
University POLITEHNICA of Bucharest

Contact:

Decebal Popescu, Professor, PhD, Habil.
University Politehnica of Bucharest
Faculty of Automatic Control and Computers
Computer Science Department
313 Splaiul Independentei, room PR 602, sector 6, 060042, Bucharest, Romania
E-mail: decebal.popescu@cs.pub.ro; decebal.popescu@cti.pub.ro
Web: https://cs.pub.ro/index.php/people/userprofile/decebal_popescu

Research profile:

- FPGA based implementation
- Fuzzy models for controlling complex systems;
- Algorithms for embedded systems implementation
- VLSI control architectures
- Intelligent control systems for hyper-redundant robots
- Rehabilitation medical devices (design/implementation)
- e-Government frameworks and services

PhD Coordinator since 2017.

Publications: 9 books/chapters; over 70 scientific papers and articles published in prestigious international journals and presented at important and well indexed conferences.

Research Projects (selection):

- Grant no.130 / 29.07.2012, Partnership Program: “*High Performance Computing of Personalized Cardio Component Models (HEART)*”, 2012-2016. Project director: **Decebal Popescu**.
- Grant no. 259 CEEEX/ 11.09.2006: “*Technological control and integration of intelligent materials and structures (CITMSI)*”, 2006-2009. Project director: **Decebal Popescu**.
- Grant no.111/22.02.2013, cod SMIS 31446, “*Interoperability development of the data bases dedicated to SMEs*”, 2013-2014. Main coordinator: **Decebal Popescu**
- International research project no. eCAESAR-118-220-2009-07-26-x, “*eCAESAR eSafe POC*”, 2010 together with Fokus Institute, Berlin, Germany. Project manager: **Decebal Popescu** (ECAESAR).
- International research project no. eCAESAR-116-220-2009-07-01-x, “*Extension EU Service Directive (EUSDRO)*”, 2009, together with Fokus Institute, Berlin, Germany. Project manager: **Decebal Popescu**.
- International Project, CIP-ICT PSP-2008-2 nr. 238935, “*SPOCS- Simple Procedures Online for Cross-border Services*”. 2010-2012. Project manager: **Decebal Popescu** (ECAESAR).

Membership to scientific organizations:

- Member of IEEE
- Member of the Romanian Society of Automation and Technical Informatics (SRAIT)
- Member of the Robotics Society of Romania (SRR)
- Member of Romanian Society for Medical Informatics

PhD research themes proposed:

1. Reconfigurable hardware for image processing-based control
2. System on chip (SoC) implementation
3. Acceleratos for cryptography
4. FPGA acceleration of convolucional neural networks
5. Machine learning on FPGA