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### **Research interests**

I work at the interface of biological sciences, engineering and robotics with the goal of a greater understanding of biological information processing and creating of intelligent computational systems.

### **Current position**

Faculty member of the [Department of Automatic Control and Systems Engineering](#)

Head of the: Natural Computing and Robotics Lab, Cognitive Robotics in Assistive Medicine Lab.

I conduct research and supervise Ph. D. theses in the areas of Systems Engineering, Natural Computing, Cognitive Robotics, Modelling of Biological Processes, Bioinformatics, Educational Technologies.

### **Education**

2015: Ph. D. in Natural Sciences (Biology), *Faculty of Biology, University of Bucharest*.

1997: Ph. D. in Control Systems, *Faculty of Control and Computer Science, Politehnica University of Bucharest*.

1992: M.Sc (Grade: 9.72/10.00), *Faculty of Control and Computer Science, Politehnica University of Bucharest*

### **Professional experience**

Teaching Assistant (1992-1998), Assistant Professor (1998-2001), Associate Professor (2001-2004), Professor (2004-present), *Politehnica University of Bucharest*.

### **Publications**

More than 100 papers in refereed journals, and Conference Proceedings. Author/co-author of 17 books and book chapters. **See recent publications on [my website](#).**

### **National and international grants**

Director and co-director of 15 national and international grants.

### **Community activities**

Independent expert: European Commission (FP7), Scientific Research National Council of Romania, Bulgarian National Research Fund, Croatian Science Foundation, NRC Poland, CINECA Italy

Conference Service: Member of Organizing Committees and of International Program Committees, various Conferences

### **Visiting Professor**

University of St. Louis, USA; University of Glasgow, UK; Technical University of Dresden, Germany

### **Membership to Professional Associations**

IEEE Member

Member of IEEE Technical Committee on Safety, Security, and Rescue Robotics

ACM Member

Member of the IFAC Technical Committee on Intelligent Autonomous Vehicles

Member of SRAIT, Romanian Society for Automatic Control and Technical Informatics#

### **Languages**

English (fluent), French (conversational), Italian (conversational), Chinese (HSK2)