

## PERSONAL INFORMATION



 Braşov, România

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Genre M | Nationality Romanian

## PROFESSIONAL EXPERIENCE

2016 - present

### Associate Professor

Transilvania University of Braşov, Bd. Eroilor 29, Braşov, <http://unitbv.ro>

- Lecturing courses: Computer Programming & Programming Languages II (Java), Object-Oriented Programming, Data Acquisition & Processing, Cryptography, Video-Signal Capture & Image Processing (MSc), Foundations of Cryptography – Application Scenarios (MSc), Web-Application Development – Module 2 (MSc)
- Teaching labs/projects for the above courses plus Web Programming, Data Structures & Algorithms
- Research in IT and Automation

#### Sector

- Higher Education

2012 - 2016

### Lecturer

Transilvania University of Braşov, Bd. Eroilor 29, Braşov, <http://unitbv.ro>

- Lecturing Computer Programming & Programming Languages II (Java), Object-Oriented Programming
- Labs/projects for the above plus Programming III (Data Structures & Algorithms)
- Research in IT and Automation

#### Sector

- Higher Education

2009 - 2012

### Assistant Lecturer

Transilvania University of Braşov, Bd. Eroilor 29, Braşov, <http://unitbv.ro>

- Lecturing Computer Programming & Programming Languages II (Java)
- Labs/projects for Programming II (Java) and Programming III (Data Structures & Algorithms)
- Research in IT and Automation

#### Sector

- Higher Education

2005 - 2009

### Preparator universitar

Transilvania University of Braşov, Bd. Eroilor 29, Braşov, <http://unitbv.ro>

- Labs/projects for Programming I (C/C++), Data Structures, Algorithms & Programming Techniques
- Research in IT and Automation

#### Sector

- Higher Education

## EDUCATION AND TRAINING

2024

### Habilitation in Computers and Information Technology

Transilvania University of Braşov, Bd. Eroilor 29, Braşov, <http://unitbv.ro>

- Thesis title: "Distributed Applications for Ambient Assisted Living"
- Affiliation to the university's Doctoral School in progress

2006 - 2011 **PhD in Electrical Engineering** EQF 8

Transilvania University of Braşov, Bd. Eroilor 29, Braşov, <http://unitbv.ro>

- Thesis title: "Contributions to the Unified Treatment of Capture Equipment in Video Surveillance Systems"

2005 - 2007 **MSc in Information & Communication Technology Systems** EQF 7

Transilvania University of Braşov, Bd. Eroilor 29, Braşov, <http://unitbv.ro>

- Focus on: Information Systems for Telecommunications; Reliability of Information Systems

2000 - 2005 **BEng in Automation & Industrial Informatics** EQF 6

Transilvania University of Braşov, Bd. Eroilor 29, Braşov, <http://unitbv.ro>

- Core subjects: Computer Programming; PLC Programming; Systems Theory; Signal Processing; Sensors & Transducers; Database Theory; Data Structures, Algorithms & Programming Techniques

## PERSONAL SKILLS

**Mother tongue** Romanian

**Other languages**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Conversation	Speaking	
English	C2	C2	C2	C2	C2
French	C1	C1	B1	B1	B1

**Communication skills** ▪ Strong communication abilities gained through teaching, international-research collaboration, and managing student research activities

**Organisational / managerial skills** ▪ Team-lead experience in international research projects  
 ▪ Coordination of student teams for projects and competitions  
 ▪ Head of the faculty timetable-planning team (IESC)

**Digital skills** ▪ Programming languages: Java, C#, C/C++, Python, ASP.Net, PHP, Delphi  
 ▪ Web tech: HTML, CSS, JavaScript, jQuery, Bootstrap, Angular, React, JSP, Spring Boot  
 ▪ Web servers: Tomcat, GlassFish, IBM WebSphere CE, MS IIS, Apache  
 ▪ DBMS: MySQL, PostgreSQL, DB2, MSSQL, SQLite, Cassandra  
 ▪ Software-system architecture design (service-oriented, monolith, microservices)  
 ▪ HW/SW design of electronic circuits on Arduino-compatible boards  
 ▪ Virtualisation & cloud: VMWare, VirtualBox, Docker, Kubernetes, GKE, IBM Cloud  
 ▪ OS: Windows, Linux • MS Office • Adobe Photoshop

## ADDITIONAL INFORMATION

Projects  
Publications  
Memberships

- Projects – Partner lead
  - FOOD (Framework for Optimising the prOcess of FeeDing), AAL Programme, 2011-2014 – €3.23 M
  - NOAH (Not Alone at Home), AAL Programme, 2016-2019 – €2.04 M
  - SAVE (SAfety of elderly people and Vicinity Ensuring), AAL Programme, 2019-2022 – €1.16 M
  - EMILIO (voice-assistant virtual concierge to reduce social isolation), AAL Programme, 2022-2025 – €3.16 M
- Publications
  - 2 book chapters (national publishers)
  - 5 teaching volumes (national publishers)
  - 24 ISI-indexed papers: 6 journal articles (5 in Q1–Q2), 18 conference papers
  - 13 BDI-indexed papers
  - 17 additional conference / publication papers
- Memberships
  - Member, SRAIT (Romanian Society for Automation and Technical Informatics)