

CURRICULUM VITAE



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Nationality: Româna
Date of birth: 06.01.1949
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Current position: Full Professor at University POLITEHNICA of Bucharest (UPB), Faculty of Automatic Control and Computers, department of Computers

Professional career

- 2008-2016** - Vicedean for master and PhD studies at faculty of Automatic Control and Computers, UPB
- 2000-present** - PhD coordinator in "Computers and Information Technology", UPB
- 2006-2008** - Scientific Secretary at faculty of Automatic Control and Computers, UPB
- 1995-present** - Full professor at UPB, Faculty of Automatic Control and Computers, department of Computers
- 1990-1995** - Associate professor at UPB, Faculty of Automatic Control and Computers, dept. of Computers
- 1979-1990** - University Lecturer at UPB, Faculty of Automatic Control and Computers, dept. of Computers
- 1971-1979** - Assistant professor at UPB, Faculty of Automatic Control and Computers, dept. of Computers

Education

- Diplôme approfondi de Langue Française (DALF), 1994. DALF C2/ ALTE level 5 – ISCED 6
- PhD in Computer Science (UPB, 1975-1982); diploma of "Doctor in Computer Science" - ISCED 6
- Bachelor of Engineering (1966-1971), at University POLITEHNICA of Bucharest, Faculty of Automatic Control and Computers; diploma of "Engineer in Computers" - ISCED 5
- High-school studies (1962-1966), at „Dimitrie Bolinteanu” high school, Bucharest; high school diploma - ISCED 4

Foreign languages

- English – very well;
- French – very well: DALF (Diplôme approfondi de Langue Française, 1994) - ISCED 6, from Minister of National Education, France

Publications and scientific research

- 24 books/ 17 as unique or first author; co-author of two book chapters
- Co-author of on-line courses and tutorials:
 - Security of e-Health systems, developed in the framework of the DECAMP Erasmus+ program, offered to the students from the 6 european faculties of the DECAMP consortium (<http://mydecamp.eu/>)
 - *Planning And Management Of Computer Networks Interactive-Online(PMCIO)* - <https://comserver.hs-regensburg.de/PMCIO/Homepage.html>

- *Wired and Wireless Communication Networks (WiWiNET)* - <https://comserver.hs-regensburg.de/wiwinet/Homepage.html>
- 240 scientific papers published, of which 111 are ISI indexed, 107 published in the period 2009-present, and 129 indexed in other Int. DBs, (subjects from Computer Graphics, Computer Vision, Software Engineering, eHealth, and others).
- Co-author of the standard *ISO IEEE 11073-20601, dec. 2008: Health informatics-Personal health device communication Part 20601: Application profile- Optimized Exchange Protocol, DOI: 10.1109/IEEESTD.2008.4723887.*
- 53 grants / research contracts in national and international consortia, in the field of Computers and Information Technology, of which 18 coordinated as UPB director or manager. 7 innovation patents.

Relevant educational activities

- **Creation of new courses**

New courses at UPB, faculty of Automatic Control and Computers (AC) and Faculty of Engineering in Foreign Languages (FILS); currently I teach the highlighted courses:

- **Computer Graphics** (AC), from 1991, 3rd year bachelor in Computers - in romanian;
- **Infographie** (FILS), 3rd year bachelor in Computers - in french
- **Graphical processing systems** (AC), from 1992, 4th year bachelor in Computers - in romanian;
- **Software Engineering** (AC), from 1991, 3rd year bachelor in Computers - in romanian;
- *Software Engineering* (FILS), 3rd year bachelor in Computers – in english;
- *Ingénierie du logiciel* (FILS), 3rd year bachelor in Computers – in french;
- *Volumetric Data Visualization and Computer Animation* (AC), from 2009, master course
- **Advanced Course on Software Engineering** (AC), from 2009, master course

- **Creation and coordination of new master programs**

- „Graphics, Multimedia and Virtual reality” (AC), 2009 - present;
- „Management in Information Technology” (AC), 2009 - present;

- **Invited professor at**

- University of Applied Sciences, Regensburg, Germany, 1997-2010
- Politecnico di Torino, Italy, 1995-1998
- ENSIMAG (Laboratoire Systèmes Réseaux), France, 1997
- EVTEK Institute of Technology, Helsinki, 2007
- Politechnica Krakowska, 2008
- Hogeschool van Amsterdam, 2008
- Technical University of Ostrava, 2009
- L'Ecole Supérieure d'Informatique, Electronique, Automatique, Paris, 2009

- **PhD coordination in the field of Computers and Information Technology, from 2000**

- 31 doctoral students in charge have obtained the title of doctor in Computers and Information Technology
- 15 students currently under my coordination

- **Socrates/Erasmus programs coordination, with the following universities:**

- University of Applied Sciences, Germany, 1999-2006;
- University of Groningen, Netherlands, 2006-present;
- Vienna University of Technology, 2011-present.

- UPB responsible AESOP (*A European and South African Partnership on Heritage and Past*), Erasmus Mundus program, 2013-2017, <http://www.aesop-em.eu/>.
- UPB responsible DECAMP (*Open Distributed European virtual Campus on ICT Security*), Erasmus+ program, 2014-2017

Main research areas

- **Computer Graphics, Computer Vision, Computer Animation, Virtual Reality**
 - First implementation of the GKS standard in Romania. Research projects, PhD coordination. Over 150 papers and books published
- **Software Engineering**
 - PhD thesis: "Contributions to the optimisation of software design". Research projects, PhD coordination. Over 50 papers and books published
- **eHealth**
 - Co-author of the standard ISO IEEE 11073-20601, dec. 2008: *Health informatics-Personal health device communication Part 20601: Application profile- Optimized Exchange Protocol*
 - Research projects in the last 6 years, PhD coordination. Over 20 published papers

President/Member of

- President of HL7 Romania Association (www.hl7romania.ro), affiliate of HL7 International, since 2006.
- President of the department of Geographical Informational Systems of ASRO (Romanian Organization for Standardization).
- Member of the UPB's Scientific Bulletin and UPG's Ploiești Scientific Bulletin Editorial Board.
- Member of ACM, IEEE, SRAIT

01.02.2020

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