

CURRICULUM VITAE

Personal information

First name and surname: Moldoveanu Florica

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Nationality: Romanian

Date of birth: 06.01.1949

Gender: Female

Occupation or position held, place of work

University professor, Dept. of Computers, faculty of Automatic Control and Computers, University Politehnica of Bucharest (UPB)

Education and training

1975-1982: Doctorate of the Polytechnic Institute of Bucharest, Ph.D. degree in Computer Science - ISCED 6

1966-1971: Faculty of Automatic Control and Computers, Polytechnic Institute of Bucharest, Engineer degree in the specialty Computers - ISCED 5

1962-1966: High school „Dimitrie Bolintineanu” lyceum in Bucharest, mathematics-physics specialization - ISCED 4

Professional career, main activities and responsibilities

2012-2016: Deputy Dean for master programs, faculty of Automatic Control and Computers, University Politehnica of Bucharest

2008-2012: Deputy Dean for master and doctoral programs, faculty of Automatic Control and Computers, University Politehnica of Bucharest

2006-2008: Scientific Secretary of the faculty of Automatic Control and Computers, University Politehnica of Bucharest

2000-present: Ph.D. coordinator in the domain „Computers and Information Technology”

1995-present: University professor in the Dept. of Computers, faculty of Automatic Control and Computers, University Politehnica of Bucharest

1990-1995: Senior Reader in the Dept. of Computers, faculty of Automatic Control and Computers, University Politehnica of Bucharest

1979-1990: Lecturer in the Dept. of Computers, faculty of Automatic Control and Computers, University Politehnica of Bucharest

1971-1979: University assistant in the Dept. of Computers, faculty of Automatic Control and Computers, University Politehnica of Bucharest

Foreign languages

- English, very well

- French, very well: DALF (Diplôme approfondi de Langue Française) - ISCED 6, granted by the French Ministry of National Education in 1994

Scientific publications

- 20 books and manuals, first author in 15, co-author of 2 book chapters;
- Co-author of on line courses and tutorials :
 - *Planning And Management Of Computer Networks Interactive-Online(PMCIO)* - <https://comserver.hs-regensburg.de/PMCIO/Homepage.html>
 - *Wireless and Wired Networking (WIWINET)* - o <https://comserver.hs-regensburg.de/wiwinet/Homepage.html>
- 250 scientific articles published abroad and in the country, from which 96 published in journals and proceedings of international conferences in 2012-2016
- Co-author of the *ISO IEEE 11073-20601* standard, December 2008: *Health informatics- Personal health device communication Part 20601: Application profile- Optimized Exchange Protocol*, DOI: 10.1109/IEEESTD.2008.4723887

Teaching activities

New courses created in UPB, for the faculty of Automatic Control and Computers (A&C) and the faculty of Engineering in Foreign Languages (FILS):

- *Elements of Computer Graphics* (A&C) since 1991, 3rd year B.Sc., Computers;
- *Infographie* (in French, at FILS), 3rd year B.Sc. Computers;
- *Graphics Processing Systems* (A&C) since 1992, 4th year B.Sc., Computers;
- *Program Engineering* (A&C) since 1991, 3rd year B.Sc., Computers;
- *Software Engineering* (in English, at FILS);
- *Ingénierie du logiciel* (in French, at FILS);
- *Techniques for Volumetric Data Visualisation and Computer Animation* since 2009, master program „Graphics, Multimedia and Virtual Reality” at A&C;
- *Advanced Program Engineering* since 2009, master program „Management in Information Technology”

Master programs created and directed

- Graphics, Multimedia and Virtual Reality, A&C faculty, UPB, 2009 – present;
- Management in Information Technology, A&C faculty, UPB, 2009 – present.

Didactic and research laboratories created

- Didactic laboratory „Computer Graphics and Program Engineering”, room EG304;
- Research laboratory „Virtual Reality”, room PRECIS 704.

Invited professor in foreign universities

- University of Applied Sciences, Regensburg, Germania, courses taught: *Software Development for Network Management* (1999-2006); *Design and Implementation of Database Applications* (2000-2004); *C# Programming* (2004-2006).

- Politecnico di Torino, Italy, participation in research projects: *Development of Mathematical Modelling and Computer Simulation Techniques for Ultrasonic Characterization of Structural Materials*, and *New Algorithms and Programs for the Characterization of the Materials Internal Structure Using Ultrasonic Measurements* (1994-1997).
- ENSIMAG (Laboratoire Systèmes Réseaux), France, participation in the research project *Software specification in a controlled natural language* (1997)

Lectures given in the framework of the international projects *Near-shoring- the next step in offshoring* and *Improving the Security Knowledge in ICT - Advanced Technologies at:*

- EVTEK Institute of Technology, Helsinki, „*SNMP v3 – security aspects*” (2007);
- Politechnica Krakowska, „*Software metrics*” (2008);
- Hogeschool van Amsterdam, „*Network Management Technology: Security Aspects*” (2008);
- Technical University of Ostrava, „*Software metrics*” (2009);
- École Supérieure d’Informatique, Electronique, Automatique, Paris, „*Secure Data Transmission for Network Management by using SNMPv3 Protocol*” (2009)

Ph.D. coordination

- 26 theses finalized in the period 2000-2016, from which 16 in 2012-2016;
- 9 foreign Ph.D. students defended their theses in this period;
- 10 theses ongoing.

Coordination of Socrates/Erasmus programs with EU universities

- University of Applied Sciences, Germany, 1999-2006;
- University of Groningen, The Netherlands, 2006-2016;
- Vienna University of Technology (Technische Universität Wien), Austria, 2011-2016;
- UPB coordinator for the project AESOP (*A European and South African Partnership on Heritage and Past*), Erasmus Mundus program, 2013-2017, <http://www.aesop-em.org>;
- UPB coordinator of the project DECAMP (*Open Distributed European virtual Campus on ICT Security*) – Erasmus+ program, 2014-2017.

Scientific research – main domains

- Computer graphics; Digital image processing and analysis; Computer animation; Virtual reality
- Programs Engineering
- Medical Informatics, co-author of the ISO IEEE 11073-20601 standard, December 2008: *Health informatics-Personal health device communication Part 20601: Application profile- Optimized Exchange Protocol*

Partners in research projects

I coordinated in the last six years a number of scientific projects with the partner institutions:

- University of Applied Sciences in München, Metropolia University of Applied Sciences of Helsinki, University of Cantabria, University of South Wales, University of Padua – project „*DECAMP– Open Distributed European Virtual Campus on ICT Security*”, 2014-2017, Erasmus +;

- Fokus Berlin, sepp.med GmbH Germany, NoemaLife S.p.a. Italy, InfoWorld Romania, projects: “*RELIS - Risk Detection in Laboratory Information Systems*”, 2010-2012, Eurostars-E!5112, <http://www.eurekanetwork.org/project/-/id/5112>, “*EUGEN- Enterprise Unified Guideline Engine*”, 2010-2012, Eurostars-E!5119, <http://www.eurekanetwork.org/project/-/id/5119>, “*VISUAL-D - Visualization of Patient Data for easy management of care processes*”, 2011-2013, E!6126, <http://www.eurekanetwork.org/project/-/id/6126>, “*MORIS F. D. – Medical Operational Risks Identification Service and Fraud Detection*”, 2011-2013, E!5884, <http://www.eurekanetwork.org/project/-/id/5884>;
- University of Medicine and Pharmacy of Bucharest, The Clinic Emergency Hospital of Bucharest, INCDMTM of Bucharest, project “*SABIMAS – Sistem Informatic Avansat Bazat pe Imagistica Medicală pentru producerea implanturilor personalizate în Artroplastia de Şold*”, <http://se.cs.pub.ro/SABIMAS>, Parteneriate PN II, 2008-2011;
- Technical University of Berlin, sepp.med GmbH Germany, Applied Biosignals GmbH Germany, InfoWorld Romania - project “*ReTeMes- Reliability Testing of Medical Systems*”, 2008-2010, Eureka E!4053, <http://www.eurekanetwork.org/project/-/id/4053> ;
- University of Applied Sciences, Regensburg, Germania: „*PMCIO - Planning and Management of Computer Networks Interactive-Online*”, 2003-present, and „*Virtual Laboratory of Computer Networks and Network Management*”, 2001-2006, <https://comserver.hs-regensburg.de/PMCIO/Homepage.html>), „*WICNET - Wireless Communication and Networking*”, 2004-2008, <https://comserver.hs-regensburg.de/wiwinet/Homepage.htm>

Membership of professional organizations and editorial boards

- President of the HL7 Association Romania (www.hl7romania.ro), affiliated to HL7 International, 2006 – present
- Meeting presidency of the „Geographic Informatics Systems” Department and the Romanian Standards Association (ASRO)
- Association for Computing Machinery (ACM) member
- IEEE member
- Member of the Romanian Society of Automatic Control and Technical Informatics (SRAIT)
- Member of the editorial board of the Scientific Bulletin of University Politehnica of Bucharest, series C Electrical Engineering and Computer Science
- Member of the editorial board of the Bulletin of the University of Gas and Oil of Ploiesti