


PERSONAL INFORMATION

Ioan Dumitrache



 Bd. Decebal nr. 7, Bucuresti (Romania)

 +40 21 402 91 67

 ioan.dumitrache@acse.pub.ro, ioandumitrache87@yahoo.com

Date of birth 26/08/1940

WORK EXPERIENCE

1967–1974

Lecturer

University Politehnica of Bucharest, Faculty of Automatic Control and Computers, Bucuresti (Romania)

1974–1982

Associate Professor

University Politehnica of Bucharest, Faculty of Automatic Control and Computers, Bucuresti (Romania)

1976–1984

Associate Dean

University Politehnica of Bucharest, Faculty of Automatic Control and Computers 313 Splaiul Independentei, Bucharest (Romania)

1982–Present

Professor

University Politehnica of Bucharest, Faculty of Automatic Control and Computers, Bucuresti (Romania)

1984–1990

Dean

Faculty of Automatic Control and Computers
University Politehnica of Bucharest,

1987

PhD Coordinator

University Politehnica of Bucharest (Romania)
Domain: Systems Engineering

1991–Present

President

Romanian Society of Control Engineering and Technical Informatics (SRAIT)
IFAC National Member Organisation

1994–1998

Vice-president

National Scientific Research Council (CNCSU) (Romania)

1994–Present

Director

Human Resources Training Center
University Politehnica of Bucharest - www.cpru.pub.ro

- 1996–2012 **Deirector of AIS Department**
Faculty of Automatic Control and Computers
Faculty of Automatic Control and Computers
- 1998–2012 **President**
National Scientific Research Council (CNCSU)
- 1999–Present **Member of the Academy of Technical Sciences of Romania**
<http://www.astr.ro/>
- 2000–2004 **Rector**
Universitatea POLITEHNICA din Bucuresti
- 2003–Present **Membru corespondent al Academiei Romane**
- 2004–Present **Preseident**
„Politehnica” Foundation
- 2006–Present **President**
Romanian Association of Research Managers and Administrators (RARMA)
- 2011–Present **President**
Romanian Coalition for Education in Engineering (CREDING)

EDUCATION AND TRAINING

- 1965–1970 **Doctor inginer** EQF level 8
Doctor engineer
Polytechnic Institute of Bucharest
- 1970 **Fullbright Scholarship** EQF level 8
Fullbright Foundation
Scholar at Oklahoma State University
- 1957–1962 **Engineer** EQF level 6
Polytechnic Institute of Bucharest (Romania)

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

UNDERSTANDING

SPEAKING

WRITING

| | Listening | Reading | Spoken interaction | Spoken production | |
|---------|-----------|---------|--------------------|-------------------|----|
| English | C2 | C2 | C1 | C1 | C2 |

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

ADDITIONAL INFORMATION

Honours and awards

- 1973 Traian Vuia Award of Romanian Academy
- 2000 Doctor Honoris Causa of Polytechnic University of Timisoara
- 2003 Doctor Honoris Causa of University of Craiova
- 2004 Doctor Honoris Causa of University of Pitesti
- 2005 Doctor Honoris Causa of University of Cluj
- 2006 Doctor Honoris Causa of University of Arad
- 2000 Faithful Service in the rank of Commander
- 2008 Faithful Service in rank of Grand Officer
- 2000 Member of the Technical Academy of Sciences (ASTR).
- 2003 Corresponding Member of the Romanian Academy

Invited Professor

- 1991 Invited Professor - Oklahoma State University
- 1991 - 1992 Invited Professor - University Darmstadt and Bruxelles
- 1995 Invited Professor - Oklahoma State University
- 1994 - 2000 Invited Professor (one month every year)- Technical University of Vienna (course on: Intelligent Control of Industrial Robots)
- 1996 - 2003 Invited Professor - Tehnica University of Darmstadt
- 2004 Invited Professor - Oklahoma State University, - (course on: Complex Control Systems - Intelligent Systems Approaches)

Research Domain

- Advanced Control Strategies and Algorithms
- Intelligent Control for Mobile Robots
- Intelligent Control Systems applied to industrial processes in the areas of: mobile robotics, biotechnical processes, advanced Manufacturing, Transportation Systems, Smart Grid
- Cyber Physical Systems
- Biological Process Modelling and Systems Biology, Control Algorithms for Bioprocess
- Intelligent techniques and Hybrid Architectures for Process Control
- Multi-Agent Systems applied to, manufacturing processes and transportation systems
- Autonomous Systems inspired form Biology
- Intelligent Manufacturing Systems

Research publication

68 books
 7 book chapters;
 332 research papers including 88 papers in scientific journals
 Available at: www.ioandumitrache.ro