

## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s) **Ioana FAGARASAN**

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Nationality Romanian

### Work experience

Dates **2016– present**

Occupation or position held Vice-Dean

Main activities and responsibilities Coordination of research activity and quality assurance

Name and address of employer POLITEHNICA University of Bucharest, [www.pub.ro](http://www.pub.ro)  
Faculty of Automatic Control and Computer Engineering  
Department of Automation and Industrial Informatics  
313 Splaiul Independentei, Bucharest sect.6, Romania

Type of business or sector Academic Institution

Dates **September 1996 – present**

Occupation or position held Professor, Associate Professor, Lecturer, Assistant Professor

Main activities and responsibilities Working in:

- Graduate Teaching: Control System Theory; System Analysis in Industrial Informatics; Information in Power Processes; Power System Automation and Control; System Testing and Quality Assurance
- Master/ Post-graduate Teaching: Fault detection and diagnosis of industrial processes; Hierarchical Large Scale Systems Control;
- Research projects in the field of: Process control and automation, Numerical protection in electrical substation, Fault detection and diagnosis systems
- Publishing of specific scientific papers and books
- Coordination of diploma projects and master final essays

Name and address of employer POLITEHNICA University of Bucharest, [www.pub.ro](http://www.pub.ro)  
Faculty of Automatic Control and Computer Engineering  
Department of Automation and Industrial Informatics  
313 Splaiul Independentei, Bucharest sect.6, Romania

Type of business or sector Academic Institution

Dates **2010– 2015**

Occupation or position held Programme Officer, Project Officer

Main activities and responsibilities Coordination and monitoring regarding research programme/ projects

Name and address of employer UEFISCDI – Executive Agency for Higher Education, Research, Development and Innovation Funding, [www.uefiscdi.ro](http://www.uefiscdi.ro)

Type of business or sector | Ministerial Institution

Dates | **2006 – 2010**

Occupation or position held | Project Officer

Main activities and responsibilities | Coordination and monitoring regarding research projects in automation and industrial informatics field

Name and address of employer | Centrul National de Management Programe,  
Str. Mendeleev, nr. 21-25, Etaj 3, cam. 321, Sector 1, Bucuresti  
<http://www.cnmp.ro/>

Type of business or sector | Ministerial Institution

Dates | **2002 – 2004**

Occupation or position held | associated teaching and research personal

Main activities and responsibilities | - Graduate Teaching for the 2nd year students (2nd Cycle) ENSIEG (Ecole Nationale Supérieure d'Ingénieurs Electriciens de Grenoble), INPG: Control System Theory; Identification Systems; State Space Representation.  
- International research projects: European Project EU-IST-2000-30009 « Multi Agent –based Diagnostic Data Acquisition and Management in Complex Systems » MAGIC, Project Coordinator Dr. –Ing. Brigit Koeppen-Seliger, Gerhard-Mercator, University of Duisburg; Involved Partners: Gerhard-Mercator, University of Duisburg (Germany), University of Karlsruhe, (Germany), National Polytechnic Institute of Grenoble, INPG, (France), SMS Demag (Germany), SATE srl (Italy)

Name and address of employer | ENSIEG (Ecole Nationale Supérieure d'Ingénieurs Electriciens de Grenoble), INPG

Type of business or sector | Academic Institution

Dates | **1995 – 1996**

Occupation or position held | project engineer

Main activities and responsibilities | design of automatic control diagrams for power plants operation

Name and address of employer | Institutul de Studii si Proiectari Energetice – Institute of Power Studies and Design  
Bdul Lacul Tei nr. 1-3, CP 30-33, Bucuresti 020371, Romania

Type of business or sector | Design and Studies Institution

## Education and training

Dates | 1990-1995 / 1995-1996

Title of qualification awarded | **Dipl. Engineer / Master** in Control systems and Informatics for Power Systems

Principal subjects/occupational skills covered | Power System Engineering / Process Control and Informatics Engineering

Name and type of organisation providing education and training | University POLITEHNICA of Bucharest (UPB), Faculty of Power Engineering

Dates | 1996-2002

Title of qualification awarded | **PhD** in Automatics

Principal subjects/occupational skills covered | Fault detection and diagnosis systems for industrial processes

Name and type of organisation providing education and training | University "POLITEHNICA" of Bucharest, Faculty of Control and Computers, Industrial Control and Informatics Department

## Personal skills and competences

Mother tongue(s) | **Romanian**

Other language(s)

Self-assessment

*European level (\*)*

**English**

**French**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient User	C2	Proficient User	C1	Proficient User	C1	Proficient User	C1	Proficient User
C2	Proficient User	C2	Proficient User	C2	Proficient User	C2	Proficient User	C1	Proficient User

**German**

A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User
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(\*) *Common European Framework of Reference for Languages*

## Social skills and competences

- Communicated ideally with people of various nationalities and different background
- Good collaboration with my colleagues during academic activity.

## Organisational skills and competences

- Management and implementation of didactic activities and equipping of laboratories.
- Organizing the practice activity in accordance with labour market requirements (coordination through two institutional development projects)
- Competences in managing and developing research activities in our research laboratory (3 research projects, financed by national budget, as project manager; 1 international project as scientific responsible and more than 30 research projects as research member)
- Organizing monitoring and evaluation activities for international research programs such as public-private partnerships, managed within dedicated structures based on Article 187 TFEU - the European Union Treaty on the Functioning of the European Union (e.g. CleanSky, FCH, ENIAC, ARTEMIS, IMI) and those under Article 185 of the TFEU providing for the participation of the European Union (EU) in the joint implementation of national research and development programs (e.g. AAL - Ambient Assisted Living)
- Organization of international scientific events (AAL Forum 2014, Bucharest, Romania, Special Session at ACEMP-OPTIM-ELECTROMOTION Joint Conference, Side, Turkey, 1-5 September 2015; CSCS18/22 - Invited session on Modern Power System Control. )
- Coordinating research at faculty level and quality management activity

## Technical skills and competences

- Evaluation experience in various national and international research projects competitions
- Design of automation equipment; Design of teaching equipment
- Analysis and synthesis of information systems
- Testing and assuring the quality of computer systems, Diagnosis of technical systems
- Design and implementation of process control systems
- Competencies in the elaboration and publication of manuals, guidelines, treaties and monographs that contribute to the assurance and improvement of didactic / professional activities (21 books published as author and co-author - in the field of automated control, automation and computer systems) .
- Development of research topics (3 research projects won by competition as project director and 30 projects as a member of the research team) - in the field of automated control, automation and computer systems
- Expertise in 3 international research contracts and two obtained through bidding, financed by economic agents.
- Coordination of 5 POSDRU/POCU projects during 2010-2020.

- Pn1.** (2016-2018) Contract UEFISCDI nr: 72BG/2016, PN-III-P2-2.1-BG-2016-0234, **Advanced process management system for Intelligent Specialization in the energy field (ASID)**, Director: **Ioana Făgărăsan**, Budget: 459.999 RON
- Pn2.** (2016-2018) Contract UEFISCDI nr: 82BG/2016, PN-III-P2-2.1-BG-2016-0387 **Automation and Telemetry Energy-efficient System for resource management in precision agriculture (SA-TERRA)**, Director: Prof.dr.ing. Sergiu Stelian Iliescu, Budget: 459.999 RON
- Pn3.** (2016-2018) PNCDI III - PTE-INOVIATION- **Solution for efficient integration of wind and photovoltaic power plants in the national energy system**, Val UPB 200000 RON, partener UPB, Director Radu Dobrescu
- Pn4.** (2008-2006) MEC-UEFISCSU 15031/07.04.2006, CEEX - MODUL 2; Cod proiect 43, **Fault tolerant control methods implemented in distributed systems**, Director **Ioana FĂGĂRĂȘAN**, Budget RON: 100000
- Pn5.** (2007-2005) MEC-UEFISCSU2969/11.10.2005, CEEX - MODUL 2; Cod 77, **Evolved control system integrated in a distributed system of energy process automation**, Director Daniela ANDONE;
- Pn6.** (2006-2005) CNCSIS, AT56 / 27692/2005; 139/2006, **Integrated system of teaching, learning and testing assisted by computer in the detection and diagnosis of defects in industrial installations**, Director **Ioana FĂGĂRĂȘAN**; Budget RON: 28000

## International research projects

- Pi1.** (2006-2008) FP6, Programme for Science and Society, **Women in Innovation Science and Technology (WIST)**, Consortium consisting of: Institute for Policy and Practice (IPP), University of Newcastle, UK, Institute for Employment Research (IAB), Germany, National Centre for Programme Management (NCPM), Romania, Research Group for Science, Technology and Innovation Studies (TaSTI), University of Tampere, Finland
- Pi2.** (2004-2002) FP5, EU-IST-2000-30009/ (2000-2004) MAGIC, **Multi Agents Based Diagnostic Data Acquisition and Management in Complex Systems**, 2002-2004, Consortium consisting of: Univ. Duisburg-Essen (Germany), Univ. Karlsruhe (Germany), INPG/LAG (France), SMS Demag AG (Germany) and SATE srl (Italy)
- Pi3.** (2001-1997) MCT **883/96, B1/1997 - Computer-assisted modelling of industrial processes**, Director UPB Prof. Dr. Eng. Sergiu Stelian Iliescu, Director TUD: Prof. Dr. Eng. Rolf Isermann

Data:  
28.01.2020