

## Europass Curriculum Vitae



### Personal information

**First name(s) / Surname(s)** Ionel-Bujorel PĂVĂLOIU  
**Address(es)** Calea Rahovei, nr. 344, Bl. 31, Ap. 17, Sect. 5, 050916 Bucharest, Romania  
**Telephone(s)** +40 21 402 9607 (office) Mobile: +40 734 881 932  
**Fax(es)**  
**E-mail** klingo\_w@yahoo.com; bujor.pavaloiu@ing.pub.ro;  
**Nationality** Romanian  
**Date of birth** 24.09.1970  
**Gender** Male

### Desired employment / Occupational field

#### Work experience

<p><b>Dates</b></p> <p><b>Occupation or position held</b></p> <p><b>Main activities and responsibilities</b></p>	<p>Oct. 2016-Present</p> <p>Associate Professor</p> <p>Lectures and Applications in Computer Architecture, Neural Networks and Genetic Algorithms, Digital Signal Processing, Event Driven Dynamic Systems; Data and Signal Processing for Business, Prediction of System Evolution, Games and Interactive Systems Simulation            Coordination of the Master Program „Business Administration and Engineering”            Coordination of the Robotics and Virtual Reality Laboratory</p>
<p><b>Name and address of employer</b></p> <p><b>Type of business or sector</b></p>	<p>University “POLITEHNICA” of Bucharest, Faculty of Engineering in Foreign Languages</p> <p>Education, ISCED 5 and ISCED 6</p>
<p><b>Dates</b></p> <p><b>Occupation or position held</b></p> <p><b>Main activities and responsibilities</b></p>	<p>Feb. 2008-Sept. 2016</p> <p>Lecturer</p> <p>Lectures in Programming Languages, Computer Architecture, Event Driven Dynamic Systems, Game and Interactive Simulation Systems;            Laboratories and Projects in Digital Signal Processing, Neural Networks, Event Driven Dynamic Systems. Prediction of System Evolution, Bioinformatics, Game and Interactive Simulation Systems;            All activities given in English</p>
<p><b>Name and address of employer</b></p> <p><b>Type of business or sector</b></p>	<p>University “POLITEHNICA” of Bucharest, Faculty of Engineering in Foreign Languages</p> <p>Education, ISCED 5 and ISCED 6</p>
<p><b>Dates</b></p> <p><b>Occupation or position held</b></p> <p><b>Main activities and responsibilities</b></p>	<p>Dec 2000-Jan. 2008</p> <p>Assistant Professor</p> <p>Lectures in Programming Languages;            Laboratories and Projects in Advanced Digital Signal Processing, Digital Signal Processing, Neural Networks, Computer Architecture;            All activities given in English</p>
<p><b>Name and address of employer</b></p> <p><b>Type of business or sector</b></p>	<p>University “POLITEHNICA” of Bucharest, Faculty of Engineering in Foreign Languages</p> <p>Education, ISCED 5</p>

Dates	Oct 1997-Dec 2000
Occupation or position held	Teaching Assistant
Main activities and responsibilities	Laboratories in Digital Signal Processing, Neural Networks; All activities given in English
Name and address of employer	University "POLITEHNICA" of Bucharest, Department of Engineering Sciences
Type of business or sector	Education, ISCED 5

### Education and training

Dates	April 2011 – March 2013
Title of qualification awarded	Post-PhD Researcher. Social and Human Sciences
Principal subjects/occupational skills covered	Project „Valorification of Cultural Identities in the Global Processes”, ID 59758/2010 Theme: „Integration of the Cultural Identity into the Social Networks”
Name and type of organisation providing education and training	Romanian Academy

Dates	Nov. 1998- Oct. 2006
Title of qualification awarded	PhD in Electrical Engineering
Principal subjects/occupational skills covered	Thesis “Discrete Event Dynamic Systems for Neural Networks”
Name and type of organisation providing education and training	University “POLITEHNICA” of Bucharest, Faculty of Electrical Engineering

Dates	Oct 1997 – June 1998
Title of qualification awarded	Postgraduate Studies in Business Administration
Principal subjects/occupational skills covered	Financial Management Strategic Management Marketing Management of Information Systems
Name and type of organisation providing education and training	University “POLITEHNICA” of Bucharest, Department of Engineering Sciences

Dates	Oct 1996-June 1997
Title of qualification awarded	Postgraduate European School of Medical Engineering
Principal subjects/occupational skills covered	Medical Signal Processing Medical Image Processing
Name and type of organisation providing education and training	University of Patras, Greece

Dates	Oct 1996 – June 1997
Title of qualification awarded	Postgraduate studies in Biomedical Engineering
Principal subjects/occupational skills covered	Medical Electronics Modeling and Simulation of Biological Systems Advanced Digital Signal Processing
Name and type of organisation providing education and training	University “POLITEHNICA” of Bucharest, Department of Engineering Sciences

Dates	Oct. 1991 – June 1996
Title of qualification awarded	Electronics engineer
Principal subjects/occupational skills covered	Electronics and Telecommunications (in English language) Digital Signal Processing Neural Networks Image Processing Microprocessor Systems Medical Electronics Broadcasting and Television CAD for Electronics
Name and type of organisation providing education and training	University “POLITEHNICA” of Bucharest, Department of Engineering Sciences

Dates Oct. 1990 – June 1995  
 Title of qualification awarded Mechanical engineer, Automotives specialization  
 Principal subjects/occupational skills covered Automotives  
 Heat Engines  
 Design and Construction of the Automotives  
 Dynamics of Automotives  
 Electrical Equipments for Automotives  
 Reliability and Testing of Automotives  
 Name and type of organisation providing education and training University "POLITEHNICA" of Bucharest,  
 Faculty of Transports

**Personal skills and competences**

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment

European level (\*)

**English**

**German**

**French**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
B1	Independent user	B1	Independent user	A2	Basic user	A2	Basic user	A2	Basic user
B1	Independent user	B1	Independent user	A2	Basic user	A2	Basic user	A2	Basic user

(\*) [Common European Framework of Reference for Languages](#)

**Organizational skills and competences**

Member of the BioMedical Engineering Center and of the Center for Technologic and Managerial Transfer from UPB  
 Person in charge for the Robotics and Virtual Reality Laboratory at FILS, UPB  
 Member in the committee for the International Conferences GENSIG 2005, NSIP 2007, GSP 2011 and IWSSIP 2013  
 Publication chair for IWSSIP 2013  
 Editor for IWSSIP 2013 Proceedings  
 Member of the Senate of the UPB since 2016  
 Stand-in for the Chair of Engineering in Foreign Languages since 2009  
 Representative of the Faculty in the Central Commission of the University at the entrance examinations from 2009 to 2015  
 Coordinator for the timetable on the faculty from 2008 to 2015  
 Member in the faculty team for evaluations, assessments  
 Guide for the FILS students in the first year, English, Computer Science and Electronics

**Technical skills and competences**

Member IEEE - Computational Intelligence, Engineering in Medicine and Biology  
 Neural networks, bioinformatics, modeling and simulation, analysis of data in various forms, programming, design and development of mechanical, electrical and electronic devices

**Computer skills and competences**

Programming (C++, Matlab, Python, Real-time Programming, PIC, Arduino, Assembly for 8086).  
 Extended knowledge of hardware, Computer networks.

**Other skills and competences**

Over 60 papers in publications and international conference proceedings, over 40 indexed ISI.  
 Member of PC for 7 conferences, chair or co-chair for 4 conferences, reviewer for ISI and international publications.  
 Participation in over 30 research projects, mainly international ones. Responsible for UPB partner in 2 national research projects.  
 Editor for one book, author of two books and chapters in other 4 books.  
 Guidance for over 70 diploma and dissertation theses and over 60 papers of student research.  
 Member of the Romanian Bioinformatics Society.

**Driving licence**

B Category since 2003

**Additional information**

<http://www.researcherid.com/rid/F-8520-2015>; <https://orcid.org/0000-0003-2651-7975>

**Annexes**

**Ionel-Buiorel PĂVĂLOIU**

April 2017