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Europass Curriculum Vitae



Personal information

First name(s) / Surname(s)	**Ionel-Bujorel PĂVĂLOIU**
Address(es)	
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Fax(es)	
E-mail	; bujor.pavaloiu@upb.ro;
Nationality	Romanian
Date of birth	
Gender	Male

Desired employment / Occupational field

Work experience

Dates	Oct. 2022-Present
Occupation or position held	Director of the Department of Engineering in Foreign Languages
Main activities and responsibilities	Coordination of the Department in Foreign Languages from Faculty of Engineering in Foreign Languages.
Name and address of employer	National University of Science and Technology POLITEHNICA Bucharest
Type of business or sector	Education
Dates	Oct. 2022-Present
Occupation or position held	Professor
Main activities and responsibilities	Lectures and Applications in Neural Networks and Genetic Algorithms, Digital Signal Processing, Event Driven Dynamic Systems; Data and Signal Processing for Business, Games and Interactive Systems Simulation Coordination of the Master Program „Business Administration and Engineering" Coordination of the Robotics and Virtual Reality Laboratory
Name and address of employer	National University of Science and Technology POLITEHNICA Bucharest
Type of business or sector	Education - ISCED 6, ISCED 7 and ISCED 8
Dates	Oct. 2016-Sept 2022
Occupation or position held	Associate Professor
Main activities and responsibilities	Lectures and Applications in Computer Architecture, Digital Integrated Circuits, 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
Name and address of employer	University POLITEHNICA Bucharest, Faculty of Engineering in Foreign Languages
Type of business or sector	Education - ISCED 6, ISCED 7 and ISCED 8 (2021-2022)

Dates	Feb. 2012- Ian. 2016
Occupation or position held	Associate Dean of the Faculty of Engineering in Foreign Languages
Main activities and responsibilities	Responsible with Master programs, Research, Digitalization, Alumni.
Name and address of employer	University POLITEHNICA Bucharest
Type of business or sector	Education
Dates	Feb. 2008-Sept. 2016
Occupation or position held	Lecturer
Main activities and responsibilities	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
Name and address of employer	University POLITEHNICA Bucharest, Faculty of Engineering in Foreign Languages
Type of business or sector	Education - ISCED 5 and ISCED 6
Dates	Dec 2000-Jan. 2008
Occupation or position held	Assistant Professor
Main activities and responsibilities	Lectures in Programming Languages; Laboratories and Projects in Advanced Digital Signal Processing, Digital Signal Processing, Neural Networks, Computer Architecture; All activities given in English
Name and address of employer	University POLITEHNICA Bucharest, Faculty of Engineering in Foreign Languages
Type of business or sector	Education - ISCED 6
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 Bucharest, Department of Engineering Sciences
Type of business or sector	Education - ISCED 6

Education and training

Dates	October 2021
Title of qualification awarded	Habilitation
Principal subjects/occupational skills covered	PhD Supervisor in the domain of Engineering and Management, acting at the Doctoral School of Entrepreneurship, Engineering and Business Management, UPB
Name and type of organisation providing education and training	Ministry of Education
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", coordinator Prof. Paul Dan Cristea
Name and type of organisation providing education and training	University POLITEHNICA 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 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 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 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 Bucharest, Faculty of Transports

Personal skills and competences

Mother tongue(s): **Romanian**

Other language(s)

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
German	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user
French	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user

(*) Common European Framework of Reference for Languages

Organizational skills and competences	IEEE Senior Member - Computational Intelligence, Engineering in Medicine and Biology; ACM member Member of the Biomedical Engineering Commission of the Engineering Section, the Romanian Academy Person in charge for the Robotics and Virtual Reality Laboratory at FILS, UPB Coordinator of the Master program in Business Administration and Engineering, UPB Coordinator of the Applied Electronics specialization at FILS, UPB. Member in the organizing committee for the International Conferences SmartBlock4Health 2025, SmartBlock4Health 2022, IWSSIP 2013, GSP 2011, NSIP 2007and GENSIG 2005 Publication chair for IWSSIP 2013; Editor for IWSSIP 2013 Proceedings Member of the Senate of the UPB since 2016 Stand-in for the Director of Engineering in Foreign Languages from 2009 to 2012 Member of the Council of the Doctoral School of Entrepreneurship, Engineering and Business Management from UPB 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 Tutor for the FILS students in Computer Science and Electronics, different years.
Technical skills and competences	Neural networks, bioinformatics, modeling and simulation, management, analysis of data in various forms, programming, design and development of mechanical, robotics, electrical and electronic devices.
Computer skills and competences	Programming (C, C++, Matlab, Python, Real-time Programming, PIC, Arduino, Raspberry, Assembly for 8086). Extended knowledge of hardware, Computer networks.
Other skills and competences	Over 100 papers in publications and international conference proceedings with over 70 indexed WoS. Member of PC for 8 conferences, chair or co-chair for 4 conferences, reviewer for ISI and international publications and conferences. Participation in over 30 research projects, mainly international ones. Responsible for UPB partner in 3 national research projects, Manager for UPB in one international project. Editor for one IEEE conference proceedings, author of two books and chapters in other 4 books. Guidance for over 100 diploma and dissertation theses and over 100 papers of student research.
Driving licence	B Category since 2003
Additional information	http://www.researcherid.com/rid/F-8520-2015; https://orcid.org/0000-0003-2651-7975; https://www.brainmap.ro/bujor-pavaloiu UEF-ID: U-1700-039F-6870

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Ionel-Bujorel PĂVĂLOIU