

Europass Curriculum Vitae



Personal information

First name / Surname Babarada Florin
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Nationality Romanian
Date of birth 25.12.1957
Gender Male

Desired employment / Occupational field

/ Actually University Professor

Work experience

Dates	2002-2007-2015-today
Occupation or position held	Lecturer-Associate Professor-Professor
Main activities and responsibilities	Courses and applications: Technology Computer Aided Devices, Software Instruments in Microelectronics, Integrated Circuits Simulation and Design, Electronic Processes in Integrated Microstructures Simulation, Electronic Devices and Circuits
Name and address of employer	University Politehnica of Bucharest, Faculty of Electronics Telecommunication & Information Technology, 1-3 Bd. Iuliu Maniu, 061071, Bucharest Romania
Type of business or sector	Education
Dates	2000-2002
Occupation or position held	Production Director
Main activities and responsibilities	Improving the technological processes and organization of production activity and factory, drew up the technical documentation and began to implement the standard of quality ISO 9001.
Name and address of employer	Rompac Group srl, Bucharest, Romania
Type of business or sector	Production
Dates	1999-2000
Occupation or position held	Designer
Main activities and responsibilities	Integrated circuits design
Name and address of employer	S. C. Baneasa S.A., Bucharest, Romania
Type of business or sector	Production
Dates	1996-1999
Occupation or position held	Research & Development Director
Main activities and responsibilities	Managing the activity of research & development department

Name and address of employer	S.C. Microelectronica S.A., Bucharest, Romania
Type of business or sector	Production
Dates	1993-1996
Occupation or position held	Manager Photolithography and Masks Department
Main activities and responsibilities	Management of department and MEMS project manager
Name and address of employer	Institute of Microtechnology-IMT, Bucharest, Romania
Type of business or sector	Research
Dates	1985-1993
Occupation or position held	Manager Masks Fabrication Department
Main activities and responsibilities	Masks and Intermediate Reductions Design, processing, cleaning and inspection
Name and address of employer	S.C. Microelectronica S.A., Bucharest, Romania
Type of business or sector	Production
Dates	1984-1985
Occupation or position held	Head of Electric Department
Main activities and responsibilities	Managing the activity of electrical department
Name and address of employer	Electric Cells, Bailesti, Romania
Type of business or sector	Production
Education and training	
Dates	March 2014
Title of qualification awarded	Trainer
Principal subjects/occupational skills	Adults trainer
Name and type of organisation providing education and training	G.S. CONSULTING SERV SRL, Bucharest Romania
Dates	June 2013
Title of qualification awarded	EC expert
Principal subjects/occupational skills	Nanosciences, Nanotechnologies, Materials, and new Production Technologies - NMP
Name and type of organisation providing education and training	Research European Commission, Covent Garden 2, Place Rogier, 16, 1210-Saint Josse, Brussels, Belgium
Dates	October 2012
Title of qualification awarded	Transparent materials expert
Principal subjects/occupational skills	Transparent materials fundamentals, synthesis and processing
Name and type of organisation providing education and training	ORAMA Summer School, Crete, Greece
Dates	August 2009
Title of qualification awarded	Nanoscience and nanotechnology expert
Principal subjects/occupational skills	Issues of new materials nanoscience and nanotechnology
Name and type of organisation providing education and training	The Romanian Academy, Bucharest Romania
Dates	November 2008
Title of qualification awarded	Oxidised materials and applications for micro-nanoelectronics specialist

Principal subjects/occupational skills	New aspects in oxidised materials and applications for micro-nano-electronics
Name and type of organisation providing education and training	National Institute for Research and Development in Microtechnologies-IMT, Bucharest Romania
Dates	July 2008
Title of qualification awarded	Nanosciences and nanotechnologies graduate
Principal subjects/occupational skills	2 nd International Summer School on Nanosciences and Nanotechnologies-NN08
Name and type of organisation providing education and training	Aristotle University of Thessaloniki, Thessaloniki Greece
Dates	May 2008
Title of qualification awarded	Metrology and characterisation for micro and nano technology expert
Principal subjects/occupational skills	Trends of metrology and characterisation for micro and nano technology
Name and type of organisation providing education and training	The Centre of Excellence in Metrology for Micro and Nano Technologies, Loughborough UK
Dates	December 2005
Title of qualification awarded	Specialist MSt and MEMS
Principal subjects/occupational skills	The forth NEXUS IP and NoE workmeeting
Name and type of organisation providing education and training	Ecole Nationale Supérieure d'Arts et Métiers, Paris, France
Dates	17-28 February 2003
Title of qualification awarded	Quantum devices graduate
Principal subjects/occupational skills	Intensive course "Quantum Transport in Submicron Devices" - Wim Magnus, Wim Schoenmaker, IMEC-TCAD, Belgium
Name and type of organisation providing education and training	EDIL R&D Centre on Microelectronics, University Politehnica of Bucharest, Romania
Dates	1994-2000
Title of qualification awarded	Ph.D. Degree with thesis "Microresonant Sensors Fabricated on Silicon Wafers in Planar Technology"
Name and type of organisation providing education and training	Faculty of Electronics and Telecommunications, University Politehnica of Bucharest, Romania
Dates	12 November–21 November 1990
Title of qualification awarded	Training for Wafer Scanning Projection Lithography
Name and type of organisation providing education and training	Electromat, Dresden, Germany
Dates	18 June–13 July 1990, 05 October–30 October 1987, 17 June–12 July 1985
Title of qualification awarded	Training for Mask Projection Lithography
Name and type of organisation providing education and training	Carl Zeiss Jena, Germany
Dates	1988
Title of qualification awarded	Training for Materials and Masks Fabrication Technology
Name and type of organisation providing education and training	CEMAT, Warsaw Poland

Dates 1977-1983
 Title of qualification awarded **Electronics Engineer**
 Name and type of organisation providing education and training Faculty of Electronics and Telecommunications, University Politehnica of Bucharest, Romania

Dates 1972-1976
 Title of qualification awarded **High school graduate**
 Name and type of organisation providing education and training Electrotechnique High School, Craiova, Romania

Personal skills and competences

Mother tongue Romanian

Other language(s) **English, French, German**

Self-assessment
 European level (*)

English
French
German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient User	C2	Proficient User	C1	Proficient User	C1	Proficient User	C1	Proficient User
C1	Proficient User	C1	Proficient User	B2	Independent User	B2	Independent User	B2	Independent User
B2	Independent User	B2	Independent User	B2	Independent User	B2	Independent User	B2	Independent User

(*) Common European Framework of Reference for Languages

Social skills and competences Strong referential values of fairness, equity and dignity. Ability to establish and maintain good working relations with people of different national and cultural backgrounds

Organisational skills and competences Organised person, problem-solving attitude, good abilities for synthetic and global views over concrete situations

Technical skills and competences Teaching, using and development of new tools for learning like the Intelligent e-Learning Environment and Adaptive e-Learning Systems
 Managing the technical activity, production or research & development
 New materials for transparent and bio-nano-microtechnologies
 Modelling, simulation, design and fabrication of advanced semiconductor devices: MicroElectroMechanical Systems-MEMS, Solar Cells, Gas and Nuclear sensors, CMOS-IC
 Technologies like: planar vacuum encapsulation, planarization, films deposition and process, characterization, techniques and microstructures for films mechanical characterisation, masks reticules and wafers lithography, electron beam pattern generation, wet and dry etching
 Technology Computer Aided Design
 Precision and complex installations with mechanical, pneumatic, electronics and optical parts
 Clean rooms and contamination control

Computer skills and competences Ms. Office, AutoCAD, Cadstar, OrCAD, Mathcad, Mathlab, Corel Draw, Adobe, Tsuprem, Medici, Taurus, Athena, Atlas, TCAD-OMNI, Lotus, Ledit, Pascal, Visual Basic

Artistic skills and competences Admirer of fine arts

Other skills and competences Sport and travelling

Driving licence Categories A and B

Additional information General Association of Engineering from Romania-member
 The Institute of Electrical and Electronics Engineers-member

Annexes List of books, papers, patents and projects

