



## Europass Curriculum Vitae



### Personal information

First name / Surname **Babarada Florin**  
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Fax  
E-mail babflorin@yahoo.com  
Nationality Romanian  
Gender Male

### Desired employment / Occupational field

**/ Actually University Professor**

### Work experience

Dates	2002-2007-2015-today
Occupation or position held	<b>Lecturer-Associate Professor-Professor</b>
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	<b>Production Director</b>
Main activities and responsibilities	Improving the technological processes and organization of production activity and factory, drew up the technical documentation and began to implementation 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	<b>Designer</b>
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	<b>Research &amp; Development Director</b>
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	<b>Manager Photolithography and Masks Department</b>
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	<b>Manager Masks Fabrication Department</b>
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	<b>Head of Electric Department</b>
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
<b>Education and training</b>	
Dates	March 2014
Title of qualification awarded	<b>Trainer</b>
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	<b>EC expert</b>
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	<b>Transparent materials expert</b>
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	<b>Nanoscience and nanotechnology expert</b>
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	<b>Oxidised materials and applications for micro-nanoelectronics specialist</b>
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	<b>Nanosciences and nanotechnologies graduate</b>
Principal subjects/occupational skills	2 <sup>nd</sup> 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	<b>Metrology and characterisation for micro and nano technology expert</b>
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	<b>Specialist MSt and MEMS</b>
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	<b>Quantum devices graduate</b>
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	<b>Ph.D. Degree with thesis "Microresonant Sensors Fabricated on Silicon Wafers in Planar Technology"</b>
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	<b>Training for Wafer Scanning Projection Lithography</b>
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	<b>Training for Mask Projection Lithography</b>
Name and type of organisation providing education and training	Carl Zeiss Jena, Germany
Dates	1988
Title of qualification awarded	<b>Training for Materials and Masks Fabrication Technology</b>
Name and type of organisation providing education and training	CEMAT, Warsaw Poland
Dates	1977-1983
Title of qualification awarded	<b>Electronics Engineer</b>

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	<b>High school graduate</b>																																																		
Name and type of organisation providing education and training	Electrotechnique High School, Craiova, Romania																																																		
<b>Personal skills and competences</b>																																																			
Mother tongue	Romanian																																																		
Other language(s)	<b>English, French, German</b>																																																		
Self-assessment <i>European level (*)</i>	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td><b>English</b></td> <td>C1 Proficient User</td> <td>C2 Proficient User</td> <td>C1 Proficient User</td> <td>C1 Proficient User</td> <td>C1 Proficient User</td> <td>C1 Proficient User</td> <td>C1 Proficient User</td> <td>C1 Proficient User</td> <td>C1 Proficient User</td> </tr> <tr> <td><b>French</b></td> <td>C1 Proficient User</td> <td>C1 Proficient User</td> <td>B2 Independent User</td> <td>B2 Independent User</td> <td>B2 Independent User</td> <td>B2 Independent User</td> <td>B2 Independent User</td> <td>B2 Independent User</td> <td>B2 Independent User</td> </tr> <tr> <td><b>German</b></td> <td>B2 Independent User</td> <td>B2 Independent User</td> <td>B2 Independent User</td> <td>B2 Independent User</td> <td>B2 Independent User</td> <td>B2 Independent User</td> <td>B2 Independent User</td> <td>B2 Independent User</td> <td>B2 Independent User</td> </tr> </tbody> </table>	Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				<b>English</b>	C1 Proficient User	C2 Proficient User	C1 Proficient User	C1 Proficient User	C1 Proficient User	C1 Proficient User	C1 Proficient User	C1 Proficient User	C1 Proficient User	<b>French</b>	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	<b>German</b>	B2 Independent 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
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<b>German</b>	B2 Independent 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																																										
	<i>(*) Common European Framework of Reference for Languages</i>																																																		
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																																																		
<b>Additional information</b>	General Association of Engineering from Romania-member The Institute of Electrical and Electronics Engineers-member																																																		
<b>Annexes</b>	List of books, papers, patents and projects																																																		