

Europass Curriculum Vitae

Personal information



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 Nationality Romanian
 Date of birth May 22nd, 1963

Current Position **Professor**

Office Address Bucharest University
 Electricity, Solid State and Biophysics Department
 PO Box MG-11
 Str. Atomistilor, nr. 405, Bucharest-Magurele RO-077125, Ilfov
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Work experience

Dates	2005 – 2017
Occupation or position held	Associate Professor
Main activities and responsibilities	Biomedical Engineering, Electronic Physics
Name and address of employer	University of Bucharest, Physics Department, POB MG – 11, Atomistilor 405, Bucharest -Magurele, Jud. Ilfov, RO - 077125, Romania
Dates	2012 – present
Occupation or position held	VP, Chief Technological Officer
Main activities and responsibilities	Directing the technological development of FHC Inc in the field of clinical and research neuroscience
Name and address of employer	FHC Inc., 1201 Main Street, Bowdoin, ME, USA
Dates	1997 –2005
Occupation or position held	Assistant Professor
Main activities and responsibilities	Biomedical Engineering, Electronic Physics
Name and address of employer	University of Bucharest, Physics Department, POB MG – 11, Atomistilor 405, Bucharest -Magurele, Jud. Ilfov, RO - 077125, Romania
Dates	1992 – 1997
Occupation or position held	Lecturer
Main activities and responsibilities	Electronic Physics

Name and address of employer University of Bucharest, Physics Department, POB MG – 11, Atomistilor 405, Bucharest -Magurele, Jud. Ilfov, RO - 077125, Romania

Dates May 1990 - Feb. 1992

Occupation or position held Physicist

Main activities and responsibilities Material Science, Laser-Matter Interaction

Name and address of employer Institute of Atomic Physics, Institute of Physics and Technology of Materials, Bucharest, Romania

Dates Oct. 1988-April 1990

Occupation or position held Physicist

Main activities and responsibilities Electronic measurement instruments and sensors design

Name and address of employer Industrial and Electronic Measurement Instruments Co. (IEMI) – Bucharest, Romania

Education and training

Dates 1998-2004

Title of qualification awarded Postdoctoral Fellow

Principal subjects/occupational skills covered Systems neuroscience, electrophysiology and behavior in awake behaving non-human primates (macaque monkeys)

Name and type of organisation providing education and training Columbia University, Center for Neurobiology and Behavior and David Mahoney Center for Mind and Brain Unit 87, Kolb Research Annex Rm 518, 1051 Riverside Dr. New York, NY 10032

Dates 1990-1994

Title of qualification awarded PhD

Principal subjects/occupational skills covered Laser-induced morphological transformations of surfaces, under the supervision of Prof. Ion N. Mihailescu

Name and type of organisation providing education and training Institute of Atomic Physics, Bucharest, Romania

Dates 1983-1988

Title of qualification awarded MSc

Principal subjects/occupational skills covered Technological Physics, grade point average over 5 years of 98.1%.

Name and type of organisation providing education and training University of Bucharest, Physics Department, Bucharest, Romania

Personal skills and competences

Mother tongue(s) Romanian

Other language(s) English, French

Self-assessment
European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient	C1	Proficient	C1	Proficient	C1	Proficient	C1	Proficient
B2	Independent	B2	Independent	B1	Independent	B1	Independent	B1	Independent

(*) [Common European Framework of Reference for Languages](http://europass.cedefop.europa.eu)

Professional activities and memberships Member of: Society for Neuroscience, Washington DC, USA; American Epilepsy Society, Chicago IL, USA

Reviewer for: Epilepsia, Journal of Neurophysiology, Clinical Neurophysiology

Organisational skills and competences	Managed teams of researchers and design engineers
Technical skills and competences	Electrophysiological methods; Single-unit extracellular recordings; Stereoecephalography; Intracranial Electrical Stimulation in Stereoecephalography; Deep Brain Stimulation; Neural data analysis; Biomedical engineering; Stereotaxy; Measurement of low signals; Extraction of signal from noise; Methods for digital signal processing; Analog circuitry design; A-D converters; logic circuitry design using digital signal processors and microcontrollers; C++ and assembly language programming of DSPs and microcontrollers;
Computer skills and competences	Computer operating systems: WINDOWS, UNIX, Computer programming: Matlab, C#, Java, C++ (UNIX, PC-WINDOWS-Object-Oriented, Embedded, DSP), Visual Basic, Pascal, Fortran, Assembler
Other skills and competences	Laser-matter interaction; Dynamical systems theory; Temperature measurement (through contact or thermal radiation); pyroelectric detectors;
Professional Achievements	33 Papers in peer-reviewed scientific publications 427 Citations without self-citations (ISI WebOfScience) Hirsch Index: 13 (ISI WebOfScience) Doctor Habilitatus since May 2017 Reviewer for Journal of Neurophysiology, Epilepsia, Clinical Neurophysiology
Grant Support	PI, "Single-unit dynamics in the epileptic foci in patients with temporal lobe epilepsy", UEFISCDI PN-II-ID-PCE-2011-3-0240, 2011-2016, 263750 EUR PI, "Medical and biological research with JINR hadron beams" JINR Dubna 49/04-2-1103-2010/2012), 1500 USD
Awards	UEFISCDI: PN-II-RU-PRECISI-2015-9-10534; PN-III-P1-1.1-PRECISI-2016-12252; PN-III-P1-1.1-PRECISI-2016-12253; PN-III-P1-1.1-PRECISI-2016-12254
References	Professor Vincent P. Ferrera, PhD Columbia University, Zuckerman Mind Brain Behavior Institute, Kolb Research Annex Rm 565, 1051 Riverside Dr., New York, NY 10032, Tel: +1 646-774-7392, Fax: +1 646-774-7649, e-mail: vpf3@columbia.edu Professor Olivier David, PhD Grenoble Institut des Neurosciences, Head of the Brain Stimulation and Systems Neuroscience Department, Chemin Fortuné Ferrini – Bât EJ Safrat – CHU, 38700 La Tronche, France. Tel: +33 4 56 52 05 86, Fax: +33 4 56 52 05 98. E-mail address: odavid@ujf-grenoble.fr Professor Julie G Pilitsis, MD, PhD Department of Neurosurgery, Chair of the Department of Neuroscience and Experimental Therapeutics, Albany Medical College, 47 New Scotland Avenue, MC 10 Physicians Pavilion, 3rd Floor, Albany, NY 12208 Tel: +1 518-262-5088, Fax: +1 518-262-5400, e-mail: PilitsisJ@mail.amc.edu

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