

Curriculum vitae

Personal information

Name/ Surname **Pop Mircea Nicolae**
Address Romania, Cluj-Napoca, No.20 Ciprian Porumbescu Str. Ap.11, Cluj county.
Telephone 0040723 15 27 43
E-mail pop.mircea.n@gmail.com
Date of birth 15 – 01 – 1982
Nationality Romanian
Legal status Married
Gender Male


Work experience

Dates December 2007 - Present
Occupation or position held Research assistant (December 2007 – September 2011) , Researcher (September 2011 – present)
Name and address of employer National Institute for Research and Development of Isotopic And Molecular Technologies, [Physics of Nanostructured Systems](#) Department, Donath Str. 67-103, 400293, Cluj-Napoca, ROMANIA
Tel.: +40-264-584037; Fax: +40-264-420042; GSM: +40-731-030060; e-mail: itim@itim-cj.ro, web: <http://www.itim-cj.ro>

Principal subjects/occupational skills covered

- Mathematical modeling of thermal, electronic and electro-mechanic systems
- Temperature, electric and magnetic field distribution determination through numerical simulations
- Experimental and measurement device development
- Design and development of portable instrumentation
- Automation and supervision of the measurement processes
- Electronic low signal measurement systems design
- Microcontroller and FPGA electronic systems design
- Basic mechanical design and further development
- Temperature measurements, using contact and noncontact techniques
- Basic power electronics design, prototyping and measurement

Education and training

Dates February 2013  Present
Title of qualification awarded PhD in Physics
Principal subjects/occupational skills covered PhD thesis' title: "Contact and noncontact photothermal calorimetry for condensed mater investigation"
Name and type of organization providing education and training Babes-Bolyai University of Cluj-Napoca, Faculty of Physics

Dates 2009 - 2012
Title of qualification awarded PhD Student
Ph.D. scholarship, Project co-financed by the SECTORAL OPERATIONAL PROGRAM FOR HUMAN RESOURCES DEVELOPMENT 2007 - 2013
Priority Axis 1. "Education and training in support for growth and development of a knowledge based society", **Key area of intervention 1.5:** Doctoral and post-doctoral programs in support of research.
Contract nr.: **POS DRU/88/1.5/S/60185** – "INNOVATIVE DOCTORAL STUDIES IN A KNOWLEDGE BASED SOCIETY", Babeş-Bolyai University, Cluj-Napoca, Romania
01 February 2012 – 01 May 2012, Research Stage at KU Leuven, Belgium
Sumer school courses: "Advances in Heat Transfer Enhancement: from basic to nano", Iasi, 20-24 September, 2010.

Principal subjects/occupational skills covered	Thermal properties specific measurement methods' development
Name and type of organization providing education and training	Babes-Bolyai University of Cluj-Napoca, Faculty of Physics
Dates	2007 – 2009
Title of qualification awarded	Master's degree
Principal subjects/occupational skills covered	Microelectronics and Electromagnetic Compatibility
Name and type of organization providing education and training	Technical University of Cluj-Napoca, Romania, Faculty of Electronics, Telecommunication and Information Technology
Dates	2000 – 2006
Title of qualification awarded	Physics engineer degree
Principal subjects/occupational skills covered	Physics engineer, physicist
Name and type of organization providing education and training	Babes-Bolyai University of Cluj-Napoca, Faculty of Physics, Romania
Dates	1996 – 2000
Title of qualification awarded	High school degree
Principal subjects/occupational skills covered	
Name and type of organization providing education and training	Mesota College, Brasov, Romania
Personal skills and competences	
Mother tongue(s)	Romanian
Other language(s)	
English	Good (writing, reading, speaking)
French	Basic (writing, reading, speaking)
Italian	Basic (reading, speaking)
Social skills and competences	I'm a sociable person and I would characterize myself as having good people skills
Organizational skills and competences	I am a good planner, though the person I organize the most is mainly myself
Technical skills and competences	I like designing and prototyping related activities and I like working in some specific areas as mechanics, electro-mechanics, electronics and fluidics. I am interested in designing sensorial systems and furthermore in control systems, also provided with specific actuators. In fact I think control loops with a high degree of intelligence and independence is the future of all technique. Generally, all experimental physics technical problem become worthily challenges for me.
Computer skills and competences	I have good computer skills, technical drawing and graphics, electronic design and simulation software, electronic hardware specific programming/ debugging and simulation software, physics numerical analysis and graphic representation software. The programs I use the most are: Microsoft Word package, Matlab, Orcad, Autocad, Origin, LabView, Xilinx Design Suite, Comsol MultiPhysics. Lately, I've got a growing interest in embedded systems that can partly replace of the functions accomplished by a PC.
Artistic skills and competences	My artistically skills would be mainly in the field of technical specific drawing. Although I cannot sing, I always enjoy good classical or jazz music.