



## Europass Curriculum Vitae



### Personal information

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Nationality Romanian  
Date of birth  
Gender Male

### Occupational field

Solid State Physics & Materials Physics

### Work experience

Dates	2004- present
Occupation or position held	Senior researcher 2 <sup>nd</sup> grade, Senior researcher 1 <sup>st</sup> grade since 2005 and also coordinator of Applications compartment of NIMP since 2014
Main activities and responsibilities	Research in condensed matter and advanced materials physics, project director for several research projects with ~5 M€ total funding
Name and address of employer	National Institute of Materials Physics
Type of business or sector	Research
Dates	September 2001 – September 2004
Occupation or position held	Invited researcher
Main activities and responsibilities	Research in condensed matter and advanced materials physics, especially in U based compounds.
Name and address of employer	ASRC (Advanced Science Research Center), JAEA Tokai, Japonia
Type of business or sector	Research
Dates	1994 – 2001
Occupation or position held	Research assistant, Researcher, Senior researcher 3 <sup>rd</sup> grade, 2 <sup>nd</sup> grade
Main activities and responsibilities	Research in condensed matter and advanced materials physics
Name and address of employer	National Institute of Materials Physics
Type of business or sector	Research

### Education and Training

Dates	2000
Title of qualification awarded	PhD in Physics
Principal subjects	Solid State Physics
Organisation	University of Bucharest, Faculty of Physics
Dates	1994
Title of qualification awarded	Diplom Engineer (MSc in Physics)
Principal subjects	Solid State Physics
Organisation	Technological University of Viena, Faculty of Physics

<b>Publications</b>	Co-author to ~110 articles published in ISI journals with 1450 citations (without self citations). WoS Hirsch index = 22, over 100 materials presented at conferences Research ID: <a href="http://www.researcherid.com/rid/D-1908-2012">http://www.researcherid.com/rid/D-1908-2012</a> ORCID : <a href="https://orcid.org/0000-0001-8474-8259">https://orcid.org/0000-0001-8474-8259</a>
<b>Personal skills and competences</b>	
Mother tongue(s)	<b>Romanian</b>
Other language(s)	<b>English, German, French</b>
Teaching Experience	<ul style="list-style-type: none"> <li>• Supervising MSc and Phd Diplomas, training stages of undergraduate and graduate students</li> <li>• Lectures on transport phenomena in Condensed Matter</li> <li>• Co author to the book "Introduction to Physics of SCES", (Ed. Tehnica, 2011)</li> </ul>
Organisational skills and competences	<ul style="list-style-type: none"> <li>• principal investigator in several international and national projects (~5 M€)</li> <li>• Romanian representative in the MC of COST P-16 "ECOM" (ESF 2005-2009)</li> <li>• expert for nuclear materials in the frame of NewLancer project (FP7)</li> <li>• Romanian representative in the MC of COST Action: CA22123 EU-MACE „European Materials Acceleration Center for Energy”</li> <li>• leading Romanian participation to WPMAT in Eurofusion consortium (GA 633053, 2014-2018/20)</li> <li>• leading Romanian participation to WPMAT in Eurofusion consortium (GA 101052200, 2021-2025)</li> <li>• leading NIMP participation in H2020 “Accelerator Research and Innovation for European Science and Society (ARIES)”, (GA 730871, 2017-2021)</li> <li>• leading NIMP participation in HE “Innovative Structural Materials for Fission and Fusion (INNUMAT)” (GA 101061241, 2022-2026)</li> <li>• Coordinator of the Applications and Technology Transfer compartment of NIMP</li> <li>• Technical Director of “Research Innovation and Technology Center” of NIMP created with an ~10 M€ structural funds project (2014-2015)</li> <li>• Project Director of 2 InterReg RoBg projects (total ~12 M€, 2017-2018): D-EMERSYS Cod e-MS ROBG – 123 and JEROME Cod e-MS ROBG – 121</li> <li>• Executive Director of DRIFMAT (Distributed Research Infrastructure for Future Materials) cluster (2018-present)</li> </ul>
Area of expertise	Condensed Matter Physics, Materials Physics, Applied Physics
Experimental skills and competences	transport phenomena, structural & morphology, magnetic properties, calorimetry, Mössbauer spectroscopy, other spectroscopic methods, thermo-mechanical characterization, different techniques for sample preparation, automatization of experimental setups
Computer skills and competences	advanced user of various dedicated software for data analysis, text editing and graphic presentations, programming (FORTRAN, BASIC, C, LabView, HTML, php)
Additional information	Referee at 15+ ISI Scientific journals (SpringerNature, IOP, APS, ACS, RCS, Elsevier, MDPI) Evaluator expert for Romanian and European research projects

Date: February 6<sup>th</sup>, 2024

Signature