

# Curriculum Vitae



## Personal information

**Surname(s) / First name(s)** **GÎRȚU / Mihai**  
**Address(es)** Bussiness: Ovidius University of Constanța, Bd. Mamaia 124, Constanta 900527, Romania  
**Telephone(s)** Fixed: +40 241 606 418  
**Fax(es)** Bussiness: +40 241 618 372  
**E-mail** Bussiness: [mihai.girtu@univ-ovidius.ro](mailto:mihai.girtu@univ-ovidius.ro) Home: [mihai.girtu@gmail.com](mailto:mihai.girtu@gmail.com)  
**Nationality** Romanian

## Work experience

**Name and address of employer** Ovidius University of Constanta, Bd. Mamaia 124, Constanta 900527, Romania  
[www.univ-ovidius.ro](http://www.univ-ovidius.ro)  
**Dates** Oct. 2008-...  
**Occupation or position held** Professor of Physics,  
Dean of Faculty of Physics, Chemistry, Electronics and Petroleum Technology (2009-2012)  
**Dates** Oct. 2003-Sept. 2008  
**Occupation or position held** Associate Professor of Physics,  
Vice-dean of Faculty of Physics, Chemistry, Electronics and Petroleum Technology  
**Dates** Oct. 1998 – Sept. 2003  
**Occupation or position held** Assistant Professor of Physics  
Assistant-dean for research, Faculty of Physics, Chemistry and Petroleum Technology  
**Main activities and responsibilities** Teaching, research and administrative responsibilities

**Name and address of employer** Ohio State University, Columbus, 43210 OH, USA  
[www.osu.edu](http://www.osu.edu)  
**Dates** July 1998 – Sept. 1998  
**Occupation or position held** Postdoctoral researcher  
**Dates** July 1993 – June 1998  
**Occupation or position held** PhD student and research assistant  
**Main activities and responsibilities** Research responsibilities

**Name and address of employer** Ovidius University of Constanta, Bd. Mamaia 124, Constanta 900527, Romania  
[www.univ-ovidius.ro](http://www.univ-ovidius.ro)  
**Dates** Feb. 1992 – June 1993  
**Occupation or position held** Teaching assistant  
**Main activities and responsibilities** Teaching and research responsibilities

**Name and address of employer** National Institute for Materials Physics, Magurele, Bucuresti 077125, Romania  
[www.infim.ro](http://www.infim.ro)  
**Dates** Sept. 1990 – Jan. 1992  
**Occupation or position held** Research Physicist Engineer  
**Main activities and responsibilities** Research responsibilities

## Education and training

**Title of qualification awarded** **Doctor of Philosophy** (Physics)  
**Dates** Jan 1997 – June 1998  
**Principal subjects/occupational skills covered** Physics of magnetic materials  
Physics of hybrid organic-inorganic materials  
**Name and type of organisation providing education and training** Ohio State University, Columbus, 43210 OH, USA  
[www.osu.edu](http://www.osu.edu)  
**Level in national or international classification** Second Stage of Tertiary Education, ISCED 6, Field 44

Title of qualification awarded	<b>Master of Science</b> (Physics)																																								
Dates	June 1993 – Dec. 1996																																								
Principal subjects/occupational skills covered	Physics of magnetic materials																																								
Name and type of organization providing education and training	Ohio State University, Columbus, 43210 OH, USA <a href="http://www.osu.edu">www.osu.edu</a>																																								
Level in national or international classification	Second Stage of Tertiary Education, ISCED 6, Field 44																																								
Title of qualification awarded	<b>Diploma of Engineer</b> - Applied physics																																								
Dates	Oct. 1985 – June 1990																																								
Principal subjects/occupational skills covered	Physics and technology of materials																																								
Name and type of organization providing education and training	University of Bucharest, Faculty of Physics, Magurele, Bucharest, Romania <a href="http://www.fizica.unibuc.ro">www.fizica.unibuc.ro</a>																																								
Level in national or international classification	First Stage of Tertiary Education ISCED 5A, Field 44																																								
<b>Personal skills and competences</b>																																									
Mother tongue(s)	<b>Romanian</b>																																								
Other language(s)	<b>English, French</b>																																								
Self-assessment	<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>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> </tr> <tr> <td>A2</td> <td>Basic user</td> <td>A2</td> <td>Basic user</td> <td>A2</td> <td>Basic user</td> <td>A2</td> <td>Basic user</td> <td>A2</td> <td>Basic user</td> </tr> </tbody> </table>	Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user
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A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user																																
Language – English																																									
Language – French																																									
Social skills and competences	<ul style="list-style-type: none"> <li>- good ability to work in teams, gained through international collaborations;</li> <li>- good capacity to adapt to multicultural environments, obtained during my extensive studies abroad;</li> <li>- good communication skills acquired by teaching various classes at university level, by presenting research results at conferences and by advising students as an educational adviser</li> </ul>																																								
Technical skills and competences	<ul style="list-style-type: none"> <li>- able to run advanced scientific instruments for various physics measurements (electric, optical, spectroscopic, magnetic, nuclear measurements), familiar with cryogenic and vacuum equipment;</li> <li>- able to perform advanced statistical data analyses;</li> </ul>																																								
Organizational skills and competences	<ul style="list-style-type: none"> <li>- leadership, <ul style="list-style-type: none"> <li>- dean of the faculty – over 40 employees and over 700 students (2009-2012);</li> <li>- vice-dean of the faculty – over 40 employees and over 700 students (2004-2009);</li> <li>- assistant-dean for research (2000-2004);</li> <li>- deputy director – the Interdisciplinary Research Center on Micro- and Nano-structures, Ovidius University of Constanta (since 2001)</li> <li>- director of the research department of Ovidius University of Constanta (2003-2004)</li> </ul> </li> <li>- good experience in project and team management, acquired as principal investigator;</li> <li>- extensive experience in organizing international conferences, workshops and summer schools.</li> </ul>																																								
Computer skills and competences	<ul style="list-style-type: none"> <li>- good command of: <ul style="list-style-type: none"> <li>- operating systems: Windows and Linux</li> <li>- basic applications such as Microsoft Office package: Word, Excel, PowerPoint, Access</li> <li>- mathematical and statistical packages: Mathematica, Origin</li> <li>- web page editing: Microsoft FrontPage</li> <li>- special editing packages: LaTeX</li> <li>- dedicated quantum chemical software: Gaussian, GaussView</li> </ul> </li> <li>- basic knowledge in programming in Fortran</li> </ul>																																								
Competences as a reviewer and evaluator	<ul style="list-style-type: none"> <li>- reviewer and rapporteur/panelist for research projects in physics and materials science (since 2005)</li> <li>- panel moderator for research project evaluation (2009, 2012)</li> <li>- reviewer for scientific journals (Phys. Rev. Lett., Phys. Rev. B, Synth. Met., J. Magn. Magn. Mat., Dyes &amp; Pigm., Photochem. &amp; Photobio., etc.)</li> <li>- guest editor J. Optoelectron. Adv. Mat. (2005-2008)</li> <li>- member of international doctoral committees (Linköping University, Suedia)</li> </ul>																																								

Additional information	
Research interests	<ul style="list-style-type: none"> <li>- Physics of materials used in hybrid organic-inorganic photovoltaics, molecular magnetism or photocatalysis</li> <li>- Molecular modeling of materials in Organic electronics and Molecular magnetism using multiconfigurational methods and density functional theory</li> </ul>
Research grants	<ul style="list-style-type: none"> <li>- 3 national grants as <i>principal investigator</i></li> <li>- 3 international grants as <i>principal investigator</i></li> <li>- 1 national grant as team leader in a partnership</li> <li>- 1 international grant as research team member</li> <li>- 16 national and 1 international grants as team member</li> </ul>
Publications	<ul style="list-style-type: none"> <li>• 2 review chapters in <i>Magnetic Nanostructures</i>, published by American Scientific Publishers, Los Angeles, USA</li> <li>• 4 proceedings of international conferences published by Journal of Optoelectronics and Advanced Materials, as guest co-editor; 1 volume of proceedings of an international symposium as co-editor;</li> <li>• 50 articles published in ISI journals, 8 articles published in ISI proceedings</li> <li>• 12 invited talks at international conferences; 17 invited research seminars; over 120 contributed talks given at international conferences;</li> <li>• 620+ citations and a Hirsch index <math>h = 15</math> (<i>ResearcherID</i>: <a href="http://www.researcherid.com/rid/B-4574-2008">www.researcherid.com/rid/B-4574-2008</a>, ORCID: <a href="http://orcid.org/0000-0001-9377-9559">orcid.org/0000-0001-9377-9559</a>)</li> </ul>
University level courses taught	<ul style="list-style-type: none"> <li>• Optics</li> <li>• Optoelectronics</li> <li>• Physics for pharmacists and Physics for engineers</li> <li>• Physics of hybrid organic-inorganic materials</li> <li>• Physics of nonconventional energy systems</li> </ul>
Awards	<ul style="list-style-type: none"> <li>• In Hoc Signo Vincas – Research Award given by the Romanian Ministry of Education and Research through CNCSIS in 05/2001</li> <li>• Sigma Xi Honorable Mention - Research Award given by Sigma Xi - The Scientific Research Honor Society, USA in 05/1998</li> <li>• OSU Presidential Fellow, given by the Ohio State University, Columbus, OH, USA, in 05/1997</li> <li>• Hazel S. Brown Teaching Award given by the Department of Physics, the Ohio State University, USA in 05/1995</li> </ul>
Memberships in honor societies and professional organizations	<ul style="list-style-type: none"> <li>• Phi Kappa Phi National Honor Society – since 05/1995</li> <li>• Sigma Xi - The Scientific Research Honor Society - since 03/1997</li> <li>• SRF- Romanian Physical Society - since 1999</li> <li>• EPS - European Physical Society - since 1999</li> <li>• APS - American Physical Society - since 1995</li> <li>• SPIE - The International Society for Optical Engineering - since 2007</li> <li>• ISES - The International Solar Energy Society - since 2007</li> </ul>
Hobbies & sports	<ul style="list-style-type: none"> <li>• Science policies; reform of education and research;</li> <li>• Ski, swimming</li> </ul>