

# Curriculum Vitae



## Personal information

Surname(s) / First name(s)

**GÎRȚU / Mihai**

Address(es)

Permanent address: Str. Soveja 53, Bl. I4, Ap. 26, Constanta 900402, Romania

Telephone(s)

Fixed: +4 0241 606418

Mobile: +4 0721 703344

Fax(es)

Bussiness: +4 0241 618372

E-mail

Bussiness: girtu@univ-ovidius.ro

Home: mihai.girtu@gmail.com

Nationality

Romanian

Date of birth

26.04.1966

Gender

Male

## Work experience

Dates

Oct. 2008-...

Occupation or position held

Professor of Physics,

Main activities and responsibilities

Dean of Faculty of Physics, Chemistry, Electronics and Petroleum Technology (since May 2009)

Name and address of employer

Teaching, research and administrative responsibilities

Ovidius University of Constanta, Bd. Mamaia 124, Constanta 900527, Romania

Type of business or sector

[www.univ-ovidius.ro](http://www.univ-ovidius.ro)

Dates

Oct. 2003-Sept. 2008

Occupation or position held

Associate Professor of Physics,

Main activities and responsibilities

Vice-dean of Faculty of Physics, Chemistry, Electronics and Petroleum Technology

Name and address of employer

Teaching, research and administrative responsibilities

Ovidius University of Constanta, Bd. Mamaia 124, Constanta 900527, Romania

Type of business or sector

[www.univ-ovidius.ro](http://www.univ-ovidius.ro)

Dates

Oct. 1998 – Sept. 2003

Occupation or position held

Assistant Professor of Physics

Main activities and responsibilities

Assistant-dean for research, Faculty of Physics, Chemistry and Petroleum Technology

Name and address of employer

Teaching, research and administrative responsibilities

Ovidius University of Constanta, Bd. Mamaia 124, Constanta 900527, Romania

Type of business or sector

[www.univ-ovidius.ro](http://www.univ-ovidius.ro)

Dates

July 1998 – Sept. 1998

Occupation or position held

Postdoctoral researcher

Main activities and responsibilities

Research responsibilities

Name and address of employer

Ohio State University, Columbus, 43210 OH, USA

Type of business or sector

[www.osu.edu](http://www.osu.edu)

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

Ohio State University, Columbus, 43210 OH, USA

Type of business or sector

[www.osu.edu](http://www.osu.edu)

Dates

Feb. 1992 – June 1993

Occupation or position held

Teaching assistant

Main activities and responsibilities

Teaching and research responsibilities

Name and address of employer

Ovidius University of Constanta, Bd. Mamaia 124, Constanta 900527, Romania

Type of business or sector

[www.univ-ovidius.ro](http://www.univ-ovidius.ro)  
Education – Physics

Dates

Sept. 1990 – Jan. 1992

Occupation or position held

Research Physicist Engineer

Main activities and responsibilities

Research responsibilities

Name and address of employer

National Institute for Materials Physics, Magurele, Bucuresti 077125, Romania

Type of business or sector

[www.infim.ro](http://www.infim.ro)

Research – Physics

### Education and training

Dates

Jan 1997 – June 1998

Title of qualification awarded

**Doctor of Philosophy** (Physics)

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

Level in national or international classification

[www.osu.edu](http://www.osu.edu)

Second Stage of Tertiary Education, ISCED 6, Field 44

Dates

June 1993 – Dec. 1996

Title of qualification awarded

**Master of Science** (Physics)

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

Level in national or international classification

[www.osu.edu](http://www.osu.edu)

Second Stage of Tertiary Education, ISCED 6, Field 44

Dates

Oct. 1985 – June 1990

Title of qualification awarded

**Diploma of Engineer** - Applied physics

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

Level in national or international classification

[www.fizica.unibuc.ro](http://www.fizica.unibuc.ro)

First Stage of Tertiary Education ISCED 5A, Field 44

### Personal skills and competences

Mother tongue(s)

**ROMANIAN**

Other language(s)

**English, French**

Self-assessment

*European level (\*)*

**Language – English**

**Language – French**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
B1	Independent user	B2	Independent user	A2	Basic user	A2	Basic user	A2	Basic user

(\*) *Common European Framework of Reference for Languages*

Social skills and competences

- good ability to work in teams, gained through international collaborations;
- good capacity to adapt to multicultural environments, obtained during my extensive studies abroad;
- 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

Technical skills and competences

- able to run advanced scientific instruments for various physics measurements (electric, optical, spectroscopic, magnetic, nuclear measurements)
- familiar with cryogenic and vacuum equipment;
- able to perform advanced statistical data analyses;

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 (since 2009);</li> <li>- vice-dean of the faculty – over 40 employees and over 700 students (2004-2009);</li> <li>- deputy director – the Interdisciplinary Research Center on Micro- and Nano-structures, Ovidius University of Constanta (since 2001)</li> <li>- director of the Department for Research, Ovidius University of Constanta (2003-2004)</li> </ul> </li> <li>- sense of organization, as member of <ul style="list-style-type: none"> <li>- the Ovidius University Senate (since 2000)</li> <li>- the National University Research Council - CNCSIS (since 2006);</li> </ul> </li> <li>- good experience in project and team management, acquired as principal investigator as well as researcher in various research and development projects;</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 graphic design: Adobe Illustrator</li> <li>- basic knowledge in programming in Fortran</li> </ul>
<b>Additional information</b>	
Research interests	<ul style="list-style-type: none"> <li>- Physics of hybrid organic-inorganic nanostructured materials</li> <li>- Magnetic ordering in molecular magnets, in systems with disorder and competing interactions</li> <li>- Electronic properties of organic and inorganic materials for solar cells</li> <li>- Quantum chemical calculations of molecular magnetic materials and organic electronics materials</li> </ul>
Research grants	<ul style="list-style-type: none"> <li>- 3 national grants as <i>principal investigator</i></li> <li>- 2 international grants as <i>principal investigator</i></li> <li>- 13 national and 1 international grants as <i>team member</i></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>• 45 articles published in refereed scientific journals (33 in ISI journals) and 20 articles published in refereed conference proceedings</li> <li>• 8 invited talks at international conferences; 15 invited research seminars; 78 contributed talks given at international conferences;</li> <li>• 430+ citations and a Hirsch index <math>h = 14</math></li> </ul>
University level courses	<ul style="list-style-type: none"> <li>• Optics</li> <li>• Optoelectronics</li> <li>• Physics for engineers</li> <li>• Physics for pharmacists</li> <li>• Physics of hybrid organic-inorganic materials</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 01/1999</li> <li>• EPS - European Physical Society - since 01/1999</li> <li>• SPIE - The International Society for Optical Engineering - since 2007</li> <li>• ISES - The International Solar Energy Society - since 2007</li> </ul>
Hobbies	<ul style="list-style-type: none"> <li>• Science policies; reform of education and research</li> <li>• Yoga, initiatic societies</li> <li>• Ski, swimming</li> </ul>
<b>Annexes</b>	List of publications