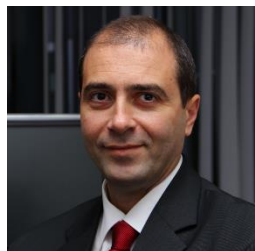


PERSONAL INFORMATION



Mihai GÎRȚU

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| Date of birth 1966 | Nationality Romanian

WORK EXPERIENCE

10.2008 -

Professor

2014-... **Vice-Rector** in charge of research and innovation
 2009-2012 **Dean**, Faculty of Physics, Chemistry, Electronics and Petroleum Technology
 Ovidius University of Constanta, Bd. Mamaia 124, Constanța 900527, Romania www.univ-ovidius.ro
 Teaching and research responsibilities & Managerial responsibilities

10.2003 – 09.2008

Associate professor

2004-2009 **Vice-Dean** Faculty of Physics, Chemistry, Electronics and Petroleum Technology
 Ovidius University of Constanta, Bd. Mamaia 124, Constanța 900527, Romania www.univ-ovidius.ro
 Teaching and research responsibilities & Managerial responsibilities

10.1998 – 09.2003

Assistant professor

2000-2004 Assistant-dean for research Faculty of Physics, Chemistry and Petroleum Technology
 Ovidius University of Constanta, Bd. Mamaia 124, Constanța 900527, Romania www.univ-ovidius.ro
 Teaching and research responsibilities & Managerial responsibilities

07.1998 – 09.1998

Postdoctoral researcher

Department of Physics, The Ohio State University, Columbus, 43210 OH, SUA, www.osu.edu
 Research responsibilities

06.1993 – 06.1998

Research Assistant (PhD student)

Department of Physics, The Ohio State University, Columbus, 43210 OH, SUA, www.osu.edu
 Research responsibilities

02.1992 – 05.1993

Teaching assistant

Ovidius University of Constanta, Bd. Mamaia 124, Constanța 900527, Romania www.univ-ovidius.ro
 Teaching responsibilities

09.1990 – 01.1992

Physicist Engineer – research assistant

Institute of Physics and Technology of Materials, Str. Atomîștilor 105, Măgurele – 077125, Ilfov, Romania www.infim.ro
 Research responsibilities

EDUCATION AND TRAINING

01.1997 – 06.1998

Doctor of Philosophy (PhD) degree

The Ohio State University, Department of Physics, Columbus, 43210 OH, SUA, www.osu.edu
 ▪ Physics of materials

06.1993 – 12.1996

Master of Science (MS) degree

The Ohio State University, Department of Physics, Columbus, 43210 OH, SUA, www.osu.edu

▪ Physics of materials

10.1985 – 06.1990

Diploma of Engineer

University of Bucharest, Faculty of Physics, Bucharest, Romania, www.fizica.unibuc.ro

Engineering/Applied Physics

PERSONAL SKILLS

Mother tongue Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Organisational / managerial skills

Experience in university management:

Vice-Rector responsible of research & innovation and institutional relations (2016-...)

Vice-Rector responsible of international relations and institutional image (2014-2016)

Ovidius University of Constanța (2014-...), ~1000 employees and ~15000 students

Dean (2009-2012), **Vice-Dean** (2004-2009), **Assistant-dean for Research** (2000-2004)

Faculty of Physics, Chemistry, Electronics and Petroleum Technology, ~40 employees and ~700 students;

Director of the university Department of Research (2003-2004)

Ovidius University of Constanța

Experience in managing advisory boards:

- **Vice-president**, Romanian National University Research Council – CNCSIS (2008-2011)
- **Coordinator** of Committee for Research Indicators (2017-2018), National Council for Statistics and Forecasting in Higher Education – CNSPIS
- **President** of Modelling Committee (2011-2015) Romanian National Council for Higher Education Funding - CNFIS
- **President** of Romanian Physical Society – Constanța Branch (2014-2017), Member of the National Executive Committee of Romanian Physical Society, (2014-...)
- Member of the **Board of Trustees** (2017-2018), National Institute for Research and Development for Microtechnologies – IMT Bucharest
- Member of the **Board of Trustees** (2010-2011), Romanian National Centre for Programme Management - CNMP Bucharest

Experience in organizations and advisory boards (as a member):

- National Research Council – CNCS (2020-...)
- National Council for Statistics and Forecasting in Higher Education – CNSPIS (2016-2018)
- National Council for Higher Education Funding – CNFIS (2011-2015)
- National University Research Council – CNCSIS (2006-2011)
- Presidential Committee for the Analysis and Design of Public Policies in Romanian Education and Research (2008-2010)
- Senate of Ovidius University of Constanța (2000-2012)

Experience in managing research projects and research teams

Principal investigator in national and international research grants (see below)

Experience in national and international partnerships.

Principal investigator or team leader in multiple national and international joint research grants, in national POSDRU grants, in multinational projects financed by the European Commission through the EMFF, in national projects on education issues implemented in partnership with other higher education institutions, public authorities and private business firms

Experience in organizing international conferences, summer schools, etc.

Co-organizer of the annual conference *International Balkan Workshop on Applied Physics* (since 2003)

Experience in projects regarding public policies in education and research

- **Coordinator of the panel on research and development**, in the POSDRU project „Quality and Leadership for the Romanian Higher Education” (UEFISCDI)
- **Coordinator of the team who prepared the Internationalization Strategy** of Ovidius University, within the POSDRU project „Internationalization, Equity, and Management for a Quality Higher Education in Romania – IEMU” (UEFISCDI)
- **Expert (ETL)**, in the POSDRU project „Mate-Info.net” - „Adapting study programmes to the National Qualification Framework in Higher Education, for improved competitiveness of the graduates in the labour market” (Univ. Ovidius)
- **Representative of Romania in the COST targeted network TN1301** „Next Generation of Young Scientists: Towards a Contemporary Spirit of Research & Innovation - Sci-Generation”
- **Member in working groups of European University Association in two EUA projects (DEFINE and USTREAM) and a thematic peer learning group on Evidence-Based Teaching**

Experience in entrepreneurship and innovation projects

- Project manager of a project of institutional development in entrepreneurship of Ovidius University of Constanța, financed by the Ministry of National Education in 2017 (Ovidius Innovation Center);
- Project manager of the POCU project “iManagers & iEntrepreneurs” 2018-2019;
- Coordinator of the initiative team to establish the Center for Innovation and Technology Transfer of Ovidius University of Constanța (Ovidius Innovation Hub)

Skills and experience as an evaluator/reviewer

- experience in organizing the evaluation of research grant proposals as member of the CNCS Committee on Materials Science (2012-2013 and 2016-2017);
- experience as moderator of international review panels for complex exploratory research proposals (2009-2010) as well as exploratory research proposals (2012-2013);
- experience in individual evaluation of research grant proposals (PN2-Partnerships, Ideas, Human Resources, Capacities, CEEX, CNCSIS, etc.) and as rapporteur in panels (2005-...)
- experience in the review of research grant proposals funded by Department of Energy, USA (2014);
- experience as reviewer for international journals Reviewer ID www.publons.com/author/483774/
- experience as reviewer in international PhD defense committees (Linköping University, Sweden)

Technical and IT skills

- able to perform advanced statistical analyses;
- able to use advanced scientific equipment for various measurements (electric, optical, spectroscopic, magnetic, nuclear measurements)
- experience in using vacuum and cryostatic equipment ;
- good command of Windows (and Linux) operating systems and the Microsoft Office package, etc.;
- knowledge of advanced mathematical and statistical software (Mathematica, Origin), and editing packages (LaTex);
- knowledge of advanced molecular modelling software (GAUSSIAN, GAMESS, etc.).

Communication skills

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

ADDITIONAL INFORMATION

Research interests

- Physics of materials used in hybrid organic-inorganic photovoltaics, molecular magnetism, photocatalysis, biomaterials, etc.
- Molecular modelling of materials using multiconfigurational methods and density functional theory

- Research grants**
- 3 international grants as PI (bilateral collaboration with Switzerland, Ukraine, Cyprus)
 - 1 international grant as partner team leader (EASME/EMFF grant MARSPLAN-BS)
 - 3 national grants as PI (CEEX-M3, CNCSIS A și CNCSIS A₇)
 - 1 national grant as a partner team leader
 - 1 international FP6 grant as a team member
 - 16 national grants as team member
- Publications**
- 70 research articles published in Web of Science journals or proceedings (<http://orcid.org/0000-0001-9377-9559>)
 - www.researcherid.com/rid/B-4574-2008, Hirsch index $h = 21$, >1000 citations
 - scholar.google.ro/Mihai.Girtu, $h = 21$, >1200 citations
 - author of a review chapter in *Advanced Magnetic and Optical Materials*, published by Wiley-Scrivener in 2016,
 - author of two review chapters in *Magnetic Nanostructures*, published by American Scientific Publishers, Los Angeles, USA, in 2009 and 2002
 - co-editor of 5 volumes of proceedings, of which 4 published in Journal of Optoelectronics and Advanced Materials
- Presentations at conferences**
- 21 invited talks at international conferences
 - 17 research seminars (14 abroad, 3 in Romania)
 - >175 oral and poster presentations at international conferences
- Membership in honour societies and professional organizations**
- Phi Kappa Phi National Honour Society, SUA – 05/1995
 - Sigma Xi – The Scientific Research Honour Society, SUA - 03/1997
 - SRF – Romanian Physical Society – 1999
 - EPS – European Physical Society – 1999
 - AGIR – General Association of Romanian Engineers - 2018
- Awards**
- In Hoc Signo Vinces, awarded by CNCSIS in 05/2001
 - Sigma Xi Honourable Mention, awarded by Sigma Xi - The Scientific Research Honor Society, Columbus Chapter, Ohio, USA in 05/1998
 - OSU Presidential Fellow, awarded by de Ohio State University, Columbus, OH, USA, in 05/1997
 - Hazel S. Brown Teaching Award given by Department of Physics, the Ohio State University, USA in 05/1995
- Trainings and Areas of expertise**
- Trainings in university management
 - ANC certified course on management and managerial/internal control, May 2017
 - ANC certified course on project management, June 2015
 - Strategic University Management, organized by UEFISCSU in Oct. 2010
 - University Marketing, organized by UEFISCSU in Nov. 2010
 - University Governance, organized by UEFISCDI in Mai 2011
 - Financial Management, organized by UEFISCDI in Oct. 2011
 - Management of student services, organized by the Fulbright Committee in June 2011
 - Trainings for international grant writing
 - "How to write a competitive proposal for FP6" organized by CNCSIS, July 2002
 - "How to Negotiate, Manage, Administer and Audit an EU R&D Contract FP6," organized by CNCSIS, July 2002
 - "European Educational Systems," organized by Socrates National Agency, April 2004
 - Invited researcher/professor stages
 - Linkoping University, Sweden, 05/2010, 04/2005, 05/2002, 08/2001
 - Comenius University, Bratislava, Slovak Republic, 04/2001
 - Cherkassy State Technological University, Ukraine, 11.2010
 - Nanjing University of Posts and Telecommunications, China, 11/2012