

## PERSONAL INFORMATION Ion GRUIA



 Affiliation: University of Bucharest, Faculty of Physics

 +40214574419  +40722921757

 gruia\_ion@yahoo.com

Sex male | Date of birth 15/05/1960 | Nationality Romanian

## POSITION Associate Professor

## WORK EXPERIENCE

Dates	October 2016 – present
Occupation or position held	<b>Associate Professor</b> Theoretical physics, Mathematics, Optics, Plasma and Laser Department of Faculty of Physics - University of Bucharest
Main activities and responsibilities	Lasers, Optics, spectroscopy, photonics and laser technology - courses and laboratories
Name and address of employer	Faculty of Physics - University of Bucharest, Nr.405 Atomistilor Street, PO Box MG - 11, RO - 077 125, Magurele Physics Platform, Bucharest
Business or sector	Higher education
Dates	October 1999 – September 2016
Occupation or position held	<b>Assistant Professor</b> Theoretical physics, Mathematics, Optics, Plasma and Laser Department of Faculty of Physics - University of Bucharest
Main activities and responsibilities	Lasers, Optics, spectroscopy, photonics and laser technology - courses and laboratories
Name and address of employer	Faculty of Physics - University of Bucharest, Nr.405 Atomistilor Street, PO Box MG - 11, RO - 077 125, Magurele Physics Platform, Bucharest
Business or sector	Higher education
Dates	October 1988-September 1999
Occupation or position held	<b>Assistant</b> Department of Optics, Spectroscopy, Plasma and Lasers of Faculty of Physics - University of Bucharest
Main activities and responsibilities	Department of Optics, Spectroscopy, Plasma and Lasers - courses and laboratories
Name and address of employer	Faculty of Physics - University of Bucharest, Nr.405 Atomistilor Street, PO Box MG - 11, RO - 077 125, Magurele Physics Platform, Bucharest
Business or sector	Higher education
Dates	August 1985 - September 1988
Occupation or position held	<b>Scientific researcher</b> with the Institute of Energy Nuclear Reactors (IRNE) - Pitesti, Arges / Post Irradiation Experiment Laboratory (LEPI)
Main activities and responsibilities	Post-irradiation analysis Metallographic
Name and address of employer	Institute of Energy Nuclear Reactors (IRNE) - Pitesti, Arges
Business or sector	Scientific researcher

**EDUCATION  
AND TRAINING**

Dates	1990 –1998
Title of qualification awarded	Doctor in Physics with specialization in Optics, Spectroscopy and Lasers
Principal subjects/occupational skills covered	Ph.D. in Physics sciences “Light radiation detection system in short pulses”
Name and type of organisation providing education and training	University of Bucharest, the National Council for the Attestation of Degrees, Diplomas and University Certificates
Level in national or international classification	ISCED 6
Dates	September 1980 – July 1985
Title of qualification awarded	Bachelor of Physics
Principal subjects/occupational skills covered	Physicist Engineer
Name and type of organisation providing education and training	University of Bucharest, Faculty of Physics
Level in national or international classification	ISCED 5
Dates	September 1975 - July 1979
Title of qualification awarded	High school diploma
Principal subjects/occupational skills covered	Mathematics and Physics
Name and type of organisation providing education and training	High School “D. Bolintineanu”, Bucharest
Level in national or international classification	ISCED 3
<b>PERIODS OF SPECIALISATION AND RESEARCH ABROAD</b>	<p>- 2008 – COMSOL MULTIPHYSICS ADVANCED TRAINING COURSE: *PDEs background and stabilization techniques; *Higher order PDEs and ODE control; *Solver scripting and solving large models; *Weak form modelling; February, Leuven, Belgium.</p> <p>- 2007 – COMSOL MULTIPHYSICS INTENSIVE TRAINING COURSE: *Setting up coupled physics models; *Geometry and mesh creation and manipulation; *Post processing and data extraction; *Solver selection and solver settings; *Flux balances and simple expressions; *Coupling variables and extended multiphysics; *Weak constraints for accurate flux computation; *Linking equations and sub domains; *Adding and modifying equations; June, Zoetermeer, Netherlands.</p> <p>-1991– Operating on compatible computers IBM- PC, at the Faculty of Physics, University of Bucharest.</p>

**PERSONAL SKILLS**

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Replace with name of language certificate. Enter level if known.					
French	C1	B2	B2	B1	B2
Replace with name of language certificate. Enter level if known.					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

- Communication skills Organisations / managerial skills

  - Experience and ability to work in large collective, Period: 1996 – 2000 Ministry of Education and Research:
    - Referent specialist, specialist inspector - Department General Higher Education and Scientific Research University: \* Service study documents (18 ianuarie1996 - April 30, 1996) \* Certification Service (1 May 1996-30 June 1996) \* Informatics and Research Synthesis Service (1 July 1996-17 February 1997);
    - Expert grade II - General Directorate human and financial resources, with responsibilities to control the Minister (February 17, 1997-May 1997)
    - Expert grade I - General Directorate of International Relations - National Office of Overseas Study Scholarships (May 1997 - December 2000)
- Computer skills and competences

  - Dos, Windows, Linux, Works, Ms Office, OpenOffice, , MathCad, MuPAD, Matlab, Scilab, COMSOL Multiphysics
- Driving licence

  - Since 18 May 1989, category B

- Publications
- Presentations
- Projects
- Conferences
- Seminars
- Honours and awards
- Memberships
- References
- Citations
- Courses
- Certifications

**Books or chapters in books:**

- Methods and simulation codes in physics, University of Bucharest Publishing, 2013, ISBN-978-606-16-0266-7
- Practical work on geometrical optics, University of Bucharest Publishing, 2013, ISBN-978-606-16-0285-8.
- Methodology of analysis, interpretation and reporting of research results, University of Bucharest Publishing 2011, ISBN-978-606-16-0059-5
- Nonlinear Optics Fundamentals and laboratory work, University of Bucharest Publishing 2005, ISBN-973-737-044-9
- Optical parameters Metrology, University of Bucharest Publishing 2004, ISBN-973-575-881-4
- Client Software to use the Internet Network, University of Bucharest Publishing 2003, ISBN-973-575-754-0
- Physical and technical Laser - Applications, University of Bucharest Publishing 2002, ISBN-973-575-693-5
- Spectroscopy and Laser. Applications, University of Bucharest Publishing 2001, ISBN-973-575-490-8
- Physical and technical Laser - Practical laboratory. University of Bucharest Publishing 1999, ISBN-973-575-359-1

**List of works published:**

ION GRUIA  
 Web of Science ResearcherID C-8969-2014  
**Publications** 73  
**Total times cited** 284  
**H-index** 9  
 ORCID ID: 0000-0002-2601-1053;  
 Brainmap ID: U-1700-028F-4469;  
 Google Scholar: <https://scholar.google.ro/citations?user=BuuLfPEAAAAAJ&hl=ro>

	All	from2014
Bibliographic References	441	279
<u>h-index</u>	9	9
<u>i10-index</u>	9	8

Revision Date: 20 October 2019

