

CURRICULUM VITAE

1. PERSONAL DATA

Surname: CROITORU (SALAMU)
First name: Gabriela
Date/Place of Birth: 04 January 1986 / Bucharest, Romania
Nationality: Romanian
Gender: Female
Languages: English, Italian, Spanish
Romanian (native language)



Office: National Institute for Laser, Plasma and Radiation Physics (INFLPR)
Laboratory of Solid-State Quantum Electronics
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EDUCATION AND TRAINING

PhD in Physics

Dates/Institution: Oct. 2011 - Dec. 2018, Faculty of Physics, University of Bucharest, Romania
Title of the Thesis: "Miniature Solid-State Laser Configurations using Composite Media and Waveguides"
Granted by Order 4193/29.05.2019 of the Minister of the Ministry of National Education

MSc Degree in Biophysics and Medical Physics

Dates/Institution: Oct. 2008 - Feb. 2010, Faculty of Physics, University of Bucharest, Romania
Title of the Thesis: "Research on Proteins by THz Spectroscopy"

Diploma in Medical Physics

Dates / Institution: Oct. 2004 - June 2008 / Faculty of Physics, University of Bucharest, Romania
Title of the Thesis: "Nanomechanical Characterization of Red Blood Cells using Optical Tweezers",
Universita Degli Studi Magna Graecia di Catanzaro, Italy
(LLP-ERASMUS Agreement)

Training

Dates / Institution: 02-07 August 2015 / The OSA Foundation
Title: Siegman International School on Lasers
Dates / Institution: 30 November - 5 December 2009 / Bordeaux University, France
Title: "Ultra Short and Intense Laser Technology and Metrology"

3. WORK EXPERIENCE

National Institute for Laser, Plasma and Radiation Physics

Solid-State Quantum Electronics Laboratory
409 Atomistilor Str., Magurele 077125, Ilfov, Romania

Period / Position:	01/2012 - present	Scientific Researcher
	01/2009 - 12/2011	Research Assistant
	10/2008 - 12/2008	Technician

Technological University, Tampere, Finland

Optical Research Centre

Period / Position:	01.12.2012 - 31.01.2013	research grant
Period / Position:	01.06.2013 - 30.07.2013	research grant

4. COMPUTER SKILLS AND COMPETENCES

Operating systems:	Windows
Programming languages:	Pascal, FORTRAN
Numeric calculus:	Mathematica, SolidEdge
Data analysis and representation:	Origin, Igor Pro
Text editing:	OpenOffice.org, MS Word
Presentations:	OpenOffice.org, MS PowerPoint

5. MISCELLANEOUS

Membership:	<ul style="list-style-type: none">- Officer (President) for the Institute for Atomic Physics - Student Chapter SPIE 2012.- Officer (Treasurer) for the Institute for Atomic Physics - Student Chapter SPIE 2011.- The International Society for Optics and Photonics (SPIE); - Member of the Local Committee for the Laser Ignition Summer School, 02-06 July, 2018, Sibiu, Romania- Member of the Local Committee for the Laser Ignition Summer School, 19-22 July, 2017, Brasov, Romania- Member of the Local Committee for the Laser Ignition Conference, 20-23 June, 2017, Bucharest, Romania- Member of the Organizing Committee for the International Student Conference on Photonics, 8-11 May, 2012, Sinaia, Romania- Member of the Organizing Committee for the International Student Workshop on Laser Applications, 31 May-4 June, 2011, Bran, Romania.
Awards:	<ul style="list-style-type: none">- Young Scientist Award
Event / Dates:	The 5th Laser Ignition Conference, 20-23 June 2017, Bucharest, Romania
Title:	"Laser Ignition of a Gasoline Engine Automobile," paper LWA4.3 (oral presentation)
	<ul style="list-style-type: none">- Best Oral Presentation - Second Place
Event / Dates:	5th International Student Conference on Photonics, 23-26 September 2014, Orastie, Romania
Title:	"Laser emission from diode-pumped Nd:YAG waveguide lasers realized by femtosecond-writing technique"
	<ul style="list-style-type: none">- Best Poster Presentation - Third Place
Event / Dates:	5th International Student Conference on Photonics, 23-26 September 2014, Orastie, Romania
Title:	"Efficient laser emission from a disordered Yb:CLNGG crystal"
	<ul style="list-style-type: none">- Certificate of Excellence for First Place Student Presentation (Best Poster SPIE Award)
Event / Dates:	Micro- to Nano-Photonics III, ROMOPTO 2012, 10 th International Conference on Optics, 03-06 September 2012, Bucharest, Romania
Title:	"Generation of high peak-power 532-nm green pulses from passively Q-switched, all-poly-crystalline Nd:YAG/Cr ⁴⁺ :YAG ceramics laser"