

CURRICULUM VITAE

1. PERSONAL DATA

Surname: CRACIUN
First name: Alexandru
Date/Place of Birth: 19 April 1993 / Craiova, Romania
Nationality: Romanian
Gender: Male
Languages: English (medium level)
Romanian (native language)



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

PhD in Physics Student

Dates / Institution: October 2017 - present / Faculty of Physics, University of Bucharest
Program name: Optics, Spectroscopy, Plasma and Lasers

Master Degree in Physics

Dates / Institution: October 2015 - July 2017 / Faculty of Physics, University of Bucharest
Program name: Physics of Advanced Materials and Nanostructures
Title of the Thesis: Theoretical Studies on Generation of Terahertz Radiation by Optical Rectification in Lithium Niobate

Diploma in Physics

Dates / Institution: October 2012 - July 2015 / Faculty of Physics, University of Bucharest
Program name: Physics
Title of the Thesis: Terahertz Time-Domain Spectroscopy

3. WORK EXPERIENCE

National Institute for Laser, Plasma and Radiation Physics

Laboratory of Solid-State Quantum Electronics
409 Atomistilor Str., P.O. BOX MG-36, Magurele 077125, Ilfov, Romania
Period / Position: 02/2016 - present Scientific Research Assistant

4. RESEARCH INTERESTS

- THz generation and THz spectroscopy
- High power femto-second lasers
- Spatio-temporal couplings in ultrashort laser pulses
- Ultrafast nonlinear optics
- Wave propagation modeling

5. COMPUTER SKILLS AND COMPETENCES

Operating systems:	Windows, Linux
Data analysis and representation:	Mathematica, Python, Octave, Gnuplot
Text editing:	MS Word, LaTeX
Presentations:	MS Power Point, Mathematica
Programming:	C/C++
Ray-Tracing and Optical Design:	Optica, Zemax