

CURRICULUM VITAE

1. PERSONAL DATA

Surname: BROASCA
First name: Alin-Constantin
Date/Place of Birth: 05 September 1994 / Balcesti, Romania
Nationality: Romanian
Gender: Male
Languages: English (experimented-B2)
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 Student in Condensed State Physics

Dates/Institution: October 2019 - present / Faculty of Physics, University of Bucharest, Romania

Master Degree

Dates / Institution: October 2017 - June 2019 / Faculty of Physics, University of Bucharest, Romania

Program name: Physics of Advanced Materials and Nanostructures

Title of the Thesis: Czochralski growth, structural and NLO properties of new $\text{La}_x\text{Y}_y\text{Sc}_{4-x-y}(\text{BO}_3)_4$ -LYSB crystal

Engineer degree

Dates / Institution: October 2013 - June 2017 / Faculty of Physics, University of Bucharest, Romania

Title of the Thesis: Modeling the response of Si photomultiplier sensors for different levels of radiation

3. WORK EXPERIENCE

National Institute for Laser, Plasma and Radiation Physics

409 Atomistilor Str., P.O. BOX MG-36, Magurele 077125, Ilfov, Romania

Laboratory of Solid-State Quantum Electronics

Period / Position: 07/2018 - present Assistant Scientific Researcher

Laboratory of Plasma Physics and Nuclear Fusion

Period / Position: 10/2017 - 06/2018 Assistant Scientific Researcher

Horia Hulubei National Institute of Physics and Nuclear Engineering

407 Atomistilor Str., P.O. BOX MG-6, Magurele 077125, Ilfov, Romania

The Department of Elementary Particles Physics

Period/Position: 11/2016 - 04/2017 Junior Technician

4. PUBLICATIONS

Articles in peer-review journals:	5
International conferences:	13

5. RESEARCH INTERESTS

- Czochralski growth of nonlinear optical (NLO) crystals
- Investigation of crystal quality and characterization of NLO properties

6. COMPUTER SKILLS AND COMPETENCES

Operating systems:	Windows
Data analysis and representation:	Microcal Origin
Text editing:	OpenOffice.org, MS Word
Presentations:	OpenOffice.org, MS Power Point