

## PERSONAL INFORMATION

**Ioana Porosnicu** Giurgiului nr.202, 077005 1 Decembrie (România) 0786101992 [iporosnicu@yahoo.com](mailto:iporosnicu@yahoo.com)

Sex female | Date of birth 09/02/1991 | Nationality Romanian

JOB APPLIED FOR  
POSITION  
PREFERRED JOB  
STUDIES APPLIED FOR  
PERSONAL STATEMENT**Research assistant**

## WORK EXPERIENCE

1.10.2013 - 9.02.2016

Physicist

Accent Pro 2000 SRL Nerva Traian nr. 1, K6, Sector 3, 031041 Bucuresti (Romania) [www.accent.ro](http://www.accent.ro)

The main activities consists of: working with simulation programs, researching scientific information related to subjects of interest, creating simple programs using LabView programming language, editing Patents and scientific papers and researching new proposals for European Projects, execution of Non Destructive Tests with X-Ray ( transmission measurements and X-Ray diffraction).

Business or sector Research &amp; Development Company

16.03.2016-16-09.2016

Research assistant

National Institute for Laser, Plasma and Radioation Physics ,Atomistilor 409, Magurele Ilfov

The main activities consists of: Configuring the experimental setup and acquisition of optical spectroscopy measurements such as: emission spectra, excitation spectra, decay, the dependence of emission intensity with the laser pulse energy, Data interpretation; Contribution to the writing of scientific papers

Business or sector Research &amp; Development

## EDUCATION AND TRAINING

01/10/2010–01/10/2014

**Bachelor in Technological Physics**

Faculty of Physics, Bucharest (Romania)

Main Subjects: Physical Mechanics, Molecular Physics, Electricity, Optics, Spectroscopy and Lasers, Physics of Atom and Molecules, Nuclear and Elementary Particles Physics, Introduction to Atomic and Subatomic Structure of Matter. Introduction to Polymer Physics. Plasma Spectroscopy, Plasma Physics, The Science and Materials Technology, Nuclear Energetics, Physics of the Condensate State with application in Technology, Defectoscopy

01/10/2014–01/10/2016

**Master in Advanced Materials and Nano-structures (FMAN)**

Faculty of Physics, Bcharest (Romania)

Main Subjects: Solid State Physics, Magnetism, Plasma Diagnostics, Nano-structures, Dielectric Physics, Interaction of LASER Radiation with Matter.

## PERSONAL SKILLS

Mother tongue(s)

Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	A2	A2	A2	A2	A2

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

Communication skills

- Interpersonal Communication Skills
- Presentation Skills
- Personal Appearance and Personal Presentation
- Communicating in Difficult Situations
- Formal and Informal Writing Styles
- Dealing with Criticism Active Listening

Organisational / managerial skills

- Demonstrates ability in conflict management and dispute resolution
- Able to analyse and design organizational structures and processes,
- Understands program management,
- Demonstrates skill in team building and management,
- Understands task analysis and job design,
- Understands how to acquire needed resources,
- Able to gather and synthesize information on internal and external environments,
- Sharing decision making, i.e., not always insisting on having one's way but negotiating about what to do, where to go, etc

Job-related skills

- NDT with X-Ray Devices (X-Ray Sources, X-Ray Detectors, Micro-Controllers)
- Editing Patents
- Editing Publications

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
INDEPENDENT USER	PROFICIENT USER	INDEPENDENT USER	INDEPENDENT USER	INDEPENDENT USER

Levels: Basic user - Independent user - Proficient user  
[Digital competences - Self-assessment grid](#)

- LabView, Origin Lab, WinXCom

Driving licence

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ADDITIONAL INFORMATION

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

▪ **ASPECTS REGARDING NON-DESTRUCTIVE HIGH-RESOLUTION X-RAY IMAGING IN**

**INDUSTRIAL DIGITAL RADIOGRAPHY, M. Iovea, M. Neagu, B. Stefanescu, G. Mateiasi, I.**

Porosnicu, E. Angheluta, Asociatia romana de examinari nedistructive, Revista Examinari nedistructive, Nr. 1(3), 2015, pag. 13-23 (Romanian language);

▪ **PORTABLE LOW-COST FLAT-PANEL DETECTORTS FOR REAL-TIME DIGITAL RADIOGRAPHY,**

7th International Symposium on NDT in Aerospace, Bremen, Germany, 16-18 November, 2015, Mihai IOVEA, Marian NEAGU, Bogdan STEFANESCU, Gabriela MATEIASI, Ioana POROSNICU, Elena ANGHELUTA, ( paper accepted)

Replace with relevant publications, presentations, projects, conferences, seminars, honours and awards, memberships, references. Remove headings not relevant in the left column.

Example of publication:

**Time-gated down-/up-conversion emission of Ho–CeO<sub>2</sub> and Ho, Yb–CeO<sub>2</sub> nanoparticles ,**

Avram D., Porosnicu I., Cojocaru B., Florea M. and Tiseanu C., 2016. *Journal of Luminescence*, 179, pp. 265-271.

**DOWN AND UP-CONVERSION PROCESSES IN (Yb<sup>3+</sup>)Ho<sup>3+</sup> (CO-) DOPED CeO<sub>2</sub>**

**NANOPARTICLES, POROSNICU I., AVRAM D., COJOCARU B., FLOREA M., TISEANU C., 16 th International Balkan Workshop on Applied Physics, Constanta, Romania, 7 -9 July 2016**