

**CURRICULUM VITAE** (Maxim 4 pages)

Position within the Project:

1. Name: Georgian Razvan
2. Surname: Ungureanu
3. Date and place of the birth: 22th of January, Ploiesti city, Romania
4. Citizenship: romanian
5. Marital status: single

6. Education:

<b>Institution</b>	University of Bucharest Faculty of Physics	University of Bucharest Faculty of Physics	University of Bucharest Faculty of Physics
Period: from... (month, year) - to...( month, year)	Oct. 2006 – Jun. 2009	Oct. 2009 – Jun. 2011	Oct. 2011 – present
Degrees or diplomas awarded:	Bachelor degree Informatics & Physics	Master of Science Photonics, Spectroscopy, Plasma & Lasers	PhD student Optics, Spectroscopy, Plasma & Lasers

7. Scientific title: Master of Science

8. Professional experience:

<b>Period:</b> from... (month, year) - to... month, year)	Apr 2010 - Jun 2011	Oct 2010 - Dec 2013	Jan 2014 - present
<b>Place:</b>	Magurele, Bucharest Romania	Magurele, Bucharest Romania	Magurele, Bucharest Romania
<b>Institution:</b>	National Institute for Laser, Plasma and Radiation Physics	National Institute for Laser, Plasma and Radiation Physics	National Institute for Laser, Plasma and Radiation Physics
<b>Position:</b>	Scientific Research Assistant	Scientific Research Assistant	Junior Scientist
<b>Description:</b>	Part time. Studies related to Master degree work; Ray-tracing modeling of laser systems using dedicated software: LensLab and Rayica packages for Wolfram Mathematica;	Modeling and manipulation of optical systems for femtosecond laser pulses; Modeling spatial-temporal couplings of short optical pulses using matrix formalism; Processing and analysis of experimental data;	Modeling of complex femtoseconds laser pulses propagation; Participate in design and implementation of system setups for eperiments related to ultaintense laser pulses. Member of laser 1PW operation team of CETAL facility ;

9. Current workplace and position: National Institute for Laser, Plasma and Radiation Physics, Solid State Laser Laboratory, Junior Scientist

10. Length of employment at current workplace: 2 years and 7 mouths

11. Patents for inventions: N/A

12. Prepared and/or published works (attach a list of works prepared and/or published in the fields of the Programme, relevant to the activities to be performed within the project):

**R. G. Ungureanu**, G. V. Cojocaru, R. A. Banici, D. Ursescu, “Phase measurement in long chirped pulses with spectral phase jumps”, Optics Express 22, 15918–15923 (2014).

R. A. Banici, G. V. Cojocaru, **R. G. Ungureanu**, R. Dabu, D. Ursescu, and H. Stiel, “Pump energy reduction for a high gain ag x-ray laser using one long and two short pump pulses,” Optics letters 37, 5130–5132 (2012).

C. P. Lungu, C. M. Tico, C. Poronicu, I. Jecu, M. Lungu, A. Marcu, C. Luculescu, G. Cojocaru, D. Ursescu, R. Bnici, and **G. R. Ungureanu**, “Periodic striations on beryllium and tungsten surfaces by indirect femtosecond laser irradiation,” Applied Physics Letters 104, 101604 (2014).

G. V. Cojocaru, **R. G. Ungureanu**, R. A. Banici, D. Ursescu, O. Delmas, M. Pittman, O. Guilbaud, S. Kazamias, K. Cassou, J. Demailly, O. Neveu, E. Baynard, and D. Ros, “Thin film beam splitter multiple short pulse generation for enhanced ni-like ag x-ray laser emission,” Optics Letters 39, 2246–2249 (2014).

13. Professional affiliation:

14. Foreign languages: English and French

15. Other skills and competences:

Using Wolfram Mathematica software for laser systems ray-tracing using dedicated packages: Optica3, Rayica, LensLab.

Data processing using Mathematica, Origin, Fortran and other dedicated software, CAD design using Autocad-2D, DraftSight, Google SketchUp.

16. Areas of specialization and qualifications:

11-15 November 2013 training certificate issued by THALES OPTRONIQUE company for training attendance to Petawatt class: ALPHA 0.1 Hz 1PW operation and maintenance installed at INFLPR, CETAL facility.

Nov. – Dec. 2011 attendance to „Intensive UltraShort and Intense Laser Technology and Metrology,, , school for PhD students, Bordeaux, France

10-11 September 2012, attendance to “Short-Wavelength Imaging & Spectroscopy Sources”, Bern University, Bern, Swiss

17. Participation in other projects in progress at the date of the proposal:

Programme/Project	Position	Period: from... to...
PN2-Parteneriate-1/2012: Ultrafast laser Facility with Optimized high order harmonics UltraViolet sources, UFOUV	Experiments participants	Jul 2012 -present
PN-II-ID-PCE-2011-3 : ULTRAIINTENSE THZ WAVE GENERATED IN AIR-PLASMA BY SHORT-PULSE HIGH-INTENSITY LASER BEAM	Experiments participant	Jan 2013-present

18. Experience relevant to the proposed project, gained within other national/international programmes:

<b>Programme/Project</b>	<b>Position</b>	<b>Period: from... to...</b>
Towards 100Hz plasmaX-Ray laser aplicatie LASERLAB, MBI Berlin	Experiments participant	May -June 2013 and Jan-Feb 2014
High energy pumped 1L2S plasma X-ray laser, LASERIX Paris	Experiments participant	Oct - Nov 2013
FP7 - LASERLAB Europe – Joint Activities SFINX – x-ray laser development	Experiments participant	April 2011 - Nov 2012
PN-II 4/2011 Giga and Terra-watt laser interaction with carbon, tungsten, and beryllium films	Experiments participant	April 2012 - Oct 2013

19. Other specifications:

20. Please attach a list comprising activities and experience relevant to the tasks to be undertaken within the project (max. one page, Times New Roman 11, line spacing 1.5 pt) – only for the project leader.

I, the undersigned, swear or affirm that the information I have supplied herein is true and accurate.

Date

Georgian Razvan Ungureanu