

Curriculum Vitae

Miloš Vlainić

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Personal Information

Date of Birth: 19th May 1989

Place of Birth: Subotica, Serbia

Citizenship: Serbian

Visa Status: R. Serbia

Gender: male

Education

- 2008-2011* University of Novi Sad, Faculty of Sciences – Department of Physics
Subject area: Bachelor of Physic
Average grade: 9.64/10.00
- 2011-2012* University of Lorraine (Henri Poincare University)
Subject area: 1st year of European Master of Science in Nuclear Fusion and Engineering Physics
Average grade: 15.51/20.00
- 2012-2013* Universidad Complutense de Madrid
Subject area: 2nd year of European Master of Science in Nuclear Fusion and Engineering Physics
Average grade: 7.84/10.00
- 2013-present* Ghent University
Subject area: International Doctoral College in Fusion Science and Engineering

Seminars/Conferences

- July 2012* Fusion-EP Master Summer Event, Freudenstadt, Germany
- July 2013* Fusion-EP Master Summer Event, San Lorenzo de El Escorial, Spain
- Nov 2013* Workshop on the Brainstorming, Ghent University
- June 2014* Kudowa Summer School “Towards Fusion Energy”, Kudowa, Poland
- June 2014* 2nd Runaway Electron Modeling Workshop, Gothenburg, Sweden
- July 2014* EPFL Summer School “Plasma diagnostics in basic plasma physics devices and tokamaks: from principles to practice”, Lausanne, Switzerland
- Nov 2014* FuseNet PhD Event 2014, Lisbon, Portugal
- April 2015* 1st EPS Conference on Plasma Diagnostics, Frascati, Italy
- June 2015* 3rd Runaway Electron Modeling Workshop, Pertuis, France
- June 2015* 42nd EPS Conference on Plasma Physics, Lisbon, Portugal
- Nov 2015* FuseNet PhD Event 2015, Prague, Czech Republic (also as LOC)

Awards/Fellowships

2008	Praise in Physics – Republic Level Competition
2009-2010	Republic Student Scholarship, Ministry of Education
2011	Fund for Young Talents Scholarship, Ministry of Youth and Sport
2011-2013	Erasmus Mundus Scholarship for “European Master of Science in Nuclear Fusion and Engineering Physics”, EACEA
2013	Fund for Young Talents Scholarship, Ministry of Youth and Sport
2013	European Fusion Master's Certificate, FuseNet
2013-2016	Erasmus Mundus Fellowship for “International Doctoral College in Fusion Science and Engineering”, EACEA

Work Experience

May 2010	Participating in manifestation “Festival of Science”, Novi Sad, Serbia
Spring 2012	Lab-project on "Finding Evidence of Link between Breathing Oscillations and Micro-turbulence in Hall-effect Thruster"
Dec 2012	EMTRAIC – Diagnostics training in IPP Prague tokamak COMPASS
Feb 2013	Winter Event – Data analysis training in CEA Cadarache, Tore Supra
Feb-July 2013	Master Thesis – "Measurements of Ion Temperature and Plasma Rotation Profiles by a He Beam in TJ-II" - <i>Diagnostics operated:</i> He Beam Diagnostics
Feb-Mar 2014	Short course on "Advanced Academic English Proficiency for Presentations" as part of the Doctoral School in Ghent University
2013-present	Working on PhD Thesis “Studies of Runaway Electrons in Tokamaks” - <i>Systems operated:</i> Scintillation detectors (including installation), Cherenkov detector (including installation), IR camera, Massive Gas Injection valve (including calibration) - <i>Using</i> SYRUP (SYnchrotron emission from RUnaway Particles)
Oct 2015	Organising Student workshop in Nuclear Fusion and Tokamak Physics, Belgrade, Serbia
Nov 2015	Part of Local Organising Committee (LOC) for FuseNet PhD Event 2015, Prague, Czech Republic

Skills/Activities/Interest

Computer:	<i>Software:</i> Microsoft Office/LibreOffice, internet, e-mail, etc. <i>Programming and Data Analysis:</i> MATLAB, LaTeX, Python, Mathematica, FORTRAN (basic), Maple, Pascal, Delphi and Origin
Language:	Serbian (native), English (good fluency), Czech (fluent), Spanish (quite some), Russian (basic), German (basic), French (basic)
Hobbies:	basketball, football, volleyball, swimming
Interests:	Nuclear Fusion, Plasma Physics, Nuclear Physics, Engineering Physics, Computational Science, Mathematics, Chemistry, History, Geography, books, languages

Scientific Interest in Nuclear Fusion:

- General: plasma diagnostics (design/engineering and data analysis) and plasma control (disruption prediction and mitigation)
- Specific: runaway electrons (diagnostics and mitigation)
- Amateur: tritium breeding and potential of liquid first wall/divertor