

PERSONAL INFORMATION



Calin Alexandru Ur

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Sex Male | Date of birth 22/03/1966 | Nationality Romanian

WORK EXPERIENCE

- 2014 - present **Senior Researcher I**
 Extreme Light Infrastructure – Nuclear Physics, Institutul National de Fizica si Inginerie Nucleara “Horia Hulubei”, 30 Reactorului Street, Magurele, 077125, Romania <http://www.eli-np.ro>

 - Experimental nuclear physics, gamma beam systems, electron accelerators, applied nuclear physics, gamma-ray detection, diagnostics and monitoring systems, data acquisition systems

Scientific research
- 2013 **Senior Researcher II**
 Extreme Light Infrastructure – Nuclear Physics, Institutul National de Fizica si Inginerie Nucleara “Horia Hulubei”, 30 Reactorului Street, Magurele, 077125, Romania <http://www.eli-np.ro>

 - Experimental nuclear physics, gamma beam systems, electron accelerators, gamma-ray detection, diagnostics and monitoring systems, data acquisition systems

Scientific research
- 2009 - 2013 **Researcher**
 Istituto Nazionale di Fisica Nucleare, Sezione di Padova, 8 Marzolo Street, Padova, 35131, Italy <http://www.pd.infn.it>

 - Experimental nuclear physics, heavy ions accelerators, detection systems for gamma rays, neutrons and heavy ions, data acquisition systems

Scientific research
- 2000 - 2009 **Visiting Scientist**
 Istituto Nazionale di Fisica Nucleare, Sezione di Padova, 8 Marzolo Street, Padova, 35131, Italy <http://www.pd.infn.it>

 - Experimental nuclear physics, detection systems for gamma rays, neutrons and heavy ions, data acquisition systems

Scientific research
- 1999 **Senior Researcher II**
 Institutul National de Fizica si Inginerie Nucleara “Horia Hulubei”, 407 Atomistilor Street, Magurele, 077125, Romania <http://www.ifin.ro>

 - Experimental nuclear physics, detection systems for gamma rays and neutrons

Scientific research
- 1995 - 1999 **Senior Researcher III**
 Institutul National de Fizica si Inginerie Nucleara “Horia Hulubei”, 407 Atomistilor Street, Magurele, 077125, Romania <http://www.ifin.ro>

 - Experimental nuclear physics

Scientific research
- 1993 - 1995 **Researcher**
 Institutul National de Fizica si Inginerie Nucleara “Horia Hulubei”, 407 Atomistilor Street, Magurele, 077125, Romania <http://www.ifin.ro>

 - Experimental nuclear physics

Scientific research
- 1990 - 1993 **Research Assistant**

Institutul National de Fizica si Inginerie Nucleara "Horia Hulubei", 407 Atomistilor Street, Magurele, 077125, Romania <http://www.ifin.ro>

- Experimental nuclear physics
- Scientific research

TEACHING EXPERIENCE

- 2019 Member of PhD habilitation commission
University Politehnica of Bucharest
Topics in complex plasmas and electron beam interaction with matter
Candidate: Catalin Mihai Ticos
- 2018 Member of PhD habilitation commission
University of Bucharest
Quantum information; turning paradoxes into future technologies
Candidate: Radu Ionicioiu
- 2018 Member of PhD commission
University of Bucharest
Studiul rolului energiei de simetrie si a invelisului neutronic asupra dinamicii dipolare in nuclee exotice
Student: Daniel Dumitru
- 2017 Member of PhD commission
University of Bucharest
Nuclear data obtained with Laser Compton Scattered gamma-ray beams
Student: Ioana Gheorghe
- 2015 Member of PhD commission
University Politehnica of Bucharest
Radiological protection and dosimetry studies at charged particles accelerators and high power lasers
Student: Iani Mitu
- 2013 Member of PhD commission
Universidade de Sao Paulo, Brasil
Sistematica de nucleos impar-impar de Ga na regio de massa A=60-70
Student: Paula Rangel Pestana Allegro
- 2010-2012 PhD thesis supervisor
University of Padova
The lifetime of the 6.79 MeV state in ^{15}O as a challenge for nuclear astrophysics and gamma-ray spectroscopy: a new DSAM measurement with the AGATA Demonstrator array
Student: Caterina Michelagnoli
- 2015-2016 Diploma thesis supervisor
University Politehnica of Bucharest
Studiul experimental al raspunsului unui detector de germaniu hiperpur de mari dimensiuni si comparatia cu simulari Monte Carlo
Student: Gabriel Valter Turturica
- 2008-2009 Diploma thesis co-supervisor
University of Padova
Characterization of a Broad Energy Germanium detector through advanced pulse shape analysis techniques for the GERDA double-beta decay experiment
Student: Matteo Agostini
- 2007-2008 Diploma thesis co-supervisor
University of Florence
Evoluzione della struttura nucleare nella regione del bario: Misure di vite medie in ^{122}Ba , ^{124}Ba
Student: Caterina Michelagnoli

- 2001-2002 **Diploma thesis co-supervisor**
University of Padova
Studio di bande rotazionale triassiali nel nucleo 139Nd
Student: Daniela Ventura
- 2015-2019 **Course *Masurarea si Dozimetria Radiatiilor Ionizante***
Master Program in Engineering and Applications of Lasers and Accelerators,
Faculty of Applied Sciences, University Politehnica Bucharest
- 2008-2012 **Course 'Struttura nucleare con strumentazione gamma avanzata'**
Doctoral School in Physics at the University of Padova

EDUCATION AND TRAINING

- 2016 **Course on 'Radiological safety when using radiation sources. 3rd level' in the speciality GR. AP**
Centre for Training and Specialization in the Nuclear Field, IFIN-HH, Romania
- 1999 **PhD in Nuclear Physics**
Institute of Atomic Physics, Bucharest, Romania
- 1996 - 1997 **Research Fellowship**
Istituto Nazionale di Fisica Nucleare, Sezione di Padova, Padova, Italy
- 1990 **Diploma in Engineering Physics**
Faculty of Physics, University of Bucharest, Romania
- 1985 - 1990 **Faculty of Physics**
University of Bucharest, Romania
- 1984 **Baccalaureate**
Liceul de matematică-fizică "M. Eminescu", Satu Mare, Romania

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Proficient User	Proficient User	Proficient User	Proficient User	Proficient User
Italian	Proficient User	Proficient User	Proficient User	Proficient User	Proficient User
French	Independent User	Independent User	Basic user	Basic user	Basic user

Organisational / managerial skills

- 2019 - present **Technical Director**
Extreme Light Infrastructure – Nuclear Physics,
Institutul National de Fizica si Inginerie Nucleara “Horia Hulubei”
- 2015 - present **Director**
PhD School on Engineering and Applications of Lasers and Accelerators,
University Politehnica Bucharest, Romania
- 2014 - 2018 **Head of Research Activity 2 “High Brilliance Gamma Beam”**
Extreme Light Infrastructure – Nuclear Physics,
Institutul National de Fizica si Inginerie Nucleara “Horia Hulubei”
- 2013 **Head of GAMMA Experiment**
Istituto Nazionale di Fisica Nucleare, Sezione di Padova
- 2010 - 2013 **Scientific Coordinator of the TANDEM-ALPI-PIAVE accelerator complex,**
Istituto Nazionale di Fisica Nucleare, Laboratori Nazionali di Legnaro

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Basic user	Basic user

ADDITIONAL INFORMATION

- Publications
 - Co-author to more than 380 papers published in scientific journals indexed in ISI-Web of Science and to more than 130 papers published in conference proceedings books;
More than 6500 citations; h-index=42
- Presentations
 - 52 oral presentations at international conferences and workshops out of which 30 invited
- Conferences
 - Member of the Technical Program Committee, ICUIL 2020, September 6-11, 2020, Jeju Island, Korea
 - Member of the Organizing Committee, 1st ELI-NP User Workshop, October 7-11, 2019, Bucharest, Romania
 - Member of the Scientific Committee, Turkish Physical Society–35th International Physics Congress (TPS-35), September 04 – 08, 2019, Bodrum, Turkey
 - Member of the International Program Committee, EuNPC 2018, September 2-7, 2018, Bologna, Italy
 - Program Chair, Nuclear Photonics 2018, June 24-29, 2018, Brasov, Romania
 - Co-chair, International Balkan School of Nuclear Physics (IBSNP), July 10-17, 2016, Constanta, Romania
 - Scientific Secretary, Carpathian Summer School of Physics (CSSP14), July 13-26, 2014, Sinaia, Romania
 - Chair, Symposium on Nuclear Structure Physics with Advanced Gamma-Detector Arrays (NSP13), June 10-12, 2013, Padova, Italy
 - Member of the Organizing Committee, Multidisciplinary Applications of Nuclear Physics with Ion Beams (Ion Beams '12), 6-8 June, 2012, Legnaro, Italy
 - Member of the International Advisory Committee, EGAN 2012 Workshop, June 25-28, 2012, Orsay France
 - Scientific Secretary, First International Induced Gamma Emission Workshop (IGE'97), August 16-20, 1997, Predeal, Romania
 - Scientific Secretary, First International Gamma-Ray Lasers Workshop (GARALAS'95), August 19-23, 1995, Predeal, Romania

- Editor
- Proceedings of the Carpathian Summer School of Physics (CSSP14), AIP Conference Proceedings Vol. 1645, AIP Publishing 2015
 - Proceedings of the First International Induced Gamma Emission Workshop (IGE'97), Metropol Publishing, Bucharest 1996, ISBN 973-562-093-6
- Memberships
- Member of the Editorial Board of European Physical Journal A (2018 – present)
 - Member of the Scientific Committee of the Euroschool on Exotic Beams (2017 - present)
 - Member of the Scientific Committee of the Nuclear Spectroscopy Instrumentation Network of the FP7 ENSAR2 project (2016 - present)
 - Member of the Editorial Board of Nuclear Physics European Collaboration Committee (NuPECC) (2016 - present)
 - Member of the Nuclear Physics Board of European Physical Society (EPS) (2015 - present)
 - EPS Observer in the Nuclear Physics European Collaboration Committee (2015 - present)
 - Member of the European Physical Society (2014 - present)
 - Member of the Romanian Physical Society (2014 - present)
 - Member of the Romanian Consiliul Național de Atestare a Titlurilor, Diplomelor și Certificatelor Universitare (2012 - 2016)
 - Member of the Scientific Committee of European Gamma and Ancillary Detectors Network of the FP7 ENSAR project (2010 - 2014)
- Member of the Steering Committee of the European PreSPEC project at GSI Darmstadt (2009 - 2013)