

Curriculum Vitae

Personal information

First name(s) / Surname(s)	Călin Alexandru / Ur
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Telephone(s)	+40 753537666
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E-mail	calin.ur@eli-np.ro
Nationality	Romanian
Date of birth	22/03/1966
Marital status	Married

Work experience

2014 – present	Senior Researcher I ELI-NP Horia Hulubei National Institute of Physics and Nuclear Engineering Str. Reactorului 30, 077125 Bucharest – Magurele, Romania
2013	Senior Researcher II ELI-NP Horia Hulubei National Institute of Physics and Nuclear Engineering Str. Reactorului 30, 077125 Bucharest – Magurele, Romania
2009 – 2013	Researcher Istituto Nazionale di Fisica Nucleare, Sezione di Padova Via F. Marzolo 8, 35131 Padova, Italy
2000 – 2009	Visiting Scientist (art. 23 and art. 2222) Istituto Nazionale di Fisica Nucleare, Sezione di Padova Via F. Marzolo 8, 35131 Padova, Italy
1999 – 2000	Senior Researcher II Horia Hulubei National Institute of Physics and Nuclear Engineering Str. Atomistilor 407, 077125 Bucharest–Magurele, Romania
1995 – 1999	Senior Researcher III Horia Hulubei National Institute of Physics and Nuclear Engineering Str. Atomistilor 407, 077125 Bucharest–Magurele, Romania
1993 – 1995	Researcher Horia Hulubei National Institute of Physics and Nuclear Engineering Str. Atomistilor 407, 077125 Bucharest–Magurele, Romania
1990 – 1993	Research Assistant Horia Hulubei National Institute of Physics and Nuclear Engineering Str. Atomistilor 407, 077125 Bucharest–Magurele, Romania

Teaching experience

2013	Member in the PhD commission Univesidade de Sao Paulo, Brasil <i>Sistematica de nucleos impar–impar de Ga na regio de massa A=60–70</i> <i>Student: Paula Rangel Pestana Allegro</i>
2010 – 2012	PhD thesis supervisor University of Padova <i>The lifetime of the 6.79 MeV state in ^{15}O as a challenge for nuclear astrophysics and γ-ray spectroscopy: a new DSAM measurement with the AGATA Demonstrator array</i> <i>Student: C.Michelagnoli</i>
2008 – 2009	Diploma thesis co-supervisor University of Padova <i>Characterization of a Broad Energy Germanium detector through advanced pulse shape analysis techniques for the GERDA double-beta decay experiment</i> <i>Student: M.Agostini</i>

- 2007 – 2008 Diploma thesis co-supervisor
University of Firenze
Evoluzione della struttura nucleare nella regione del bario: *Misure di vite medie in $^{122,124}\text{Ba}$*
Student: C.Michelagnoli
- 2001 – 2002 Diploma thesis co-supervisor
University of Padova
Studio di bande rotazionale triassiali nel nucleo ^{139}Nd
Student: D.Ventura
- 2008 – 2012 Course 'Struttura nucleare con strumentazione gamma avanzata'
Doctoral School in Physics of the University of Padova
Lecture notes: <http://npgroup.pd.infn.it/slides/PhDFarneaUr2012/>
- 2003 Course 'Ripasso e approfondimento di fisica'
Faculty of Agriculture of the University of Padova
Exercise notes: <http://www.pd.infn.it/~ur>

Projects

- 2009 – 2013 Head of the GALILEO project
Istituto Nazionale di Fisica Nucleare
- 2004 – 2006 Principal investigator
European Office of Aerospace Research and Development
Grant FA8655-04-1-3046
- 1999 Principal investigator
Romanian Academy
Grant N. 72/07.07.1999

Education and training

- 1999 PhD in Nuclear Physics
Institute of Atomic Physics, Bucharest, Romania
- 1985 Diploma
Faculty of Physics, University of Bucharest, Romania
Physicist engineer
- 1985 – 1990 Faculty of Physics, University of Bucharest, Romania
Technological Physics Section
- 1984 Baccalaureate
High school 'M.Eminescu' Satu Mare, Romania

Fellowships

- 1996 – 1997 Fellowship for doctoral students
Istituto Nazionale di Fisica Nucleare, Sezione di Padova, Italy

Fields of interest

Study of the N-Z nuclei, the neutron-proton interaction; mirror nuclei; isospin symmetry and Coulomb energy difference; double-beta decay and neutrino mass measurements; study of neutron-rich nuclei from multi-nucleon transfer and deep inelastic reactions; nuclear lifetimes and moments measurement; development and maintenance of the multidetector array; acquisition systems; modern techniques for the gamma-ray spectroscopy with digital electronics; detector development; data acquisition and data analysis methods with digitally sampled signals

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
English	English	English	English	English
Italian	Italian	Italian	Italian	Italian

	French		French		French			French
	Hungarian		Hungarian		Hungarian			

Organisational skills

- 2013 Head of the Padova GAMMA group
Istituto Nazionale di Fisica Nucleare, Sezione di Padova
- 2009 – 2013 Member of the PreSPEC Steering Committee
GSI Darmstadt
- 2010 – 2013 Scientific coordinator of the Tandem–ALPI–PIAVE acelerator
INFN National Laboratories of Legnaro
- 2010 – present Member of the Scientific Committee of the European Gamma and Ancillary Detectors Network of
the FP7 ENSAR project
- 2012 – present Member of the Romanian National Council for Attestation of the University Titles, Diplomas and
Certificates (Consiliului Național de Atestare a Titlurilor, Diplomelor și Certificatelor
Universitare)

Conferences Organization

- 2013 Chair of the Local Organizing Committee
Symposium on Nuclear Structure Physics with Advanced Gamma-Detector Array – NSP13
June 10-12, 2013, Padova, Italy
- 2012 Member of the Organizing Committee
Ion Beams '12
Multidisciplinary Applications of Nuclear Physics with Ion Beams
6–8 June 2012, Laboratori Nazionali di Legnaro, Italy
- 2012 Member of the International Advisory Committee
EGAN 2012 Workshop
June 25-28, 2012, Orsay, France
- 1999 Editor of the Proceedings book of the IGE'97 International Workshop
Publisher Metropol, Bucharest – ISBN 973-562-093-6
- 1997 Scientific Secretary
First International Induced Gamma Emission Workshop – IGE'97
August 16-20, 1997, Predeal, Romania
- 1995 Scientific Secretary
First International Gamma–Ray Laser Workshop – GARALAS'95
August 19-23, 1995, Predeal, Romania

Computer skills and competences

Programming languages: FORTRAN and C
Operatig system administration: LINUX, WINDOWS, MacOSX

Additional information

As a result of my research activity I am co–author to more than 270 papers published in field–related reviews and to more than 80 contributions to International Conferences published in Proceedings books