

Paul Constantin

Curriculum Vitae



☎ [0727736692](tel:0727736692)
✉ paul.constantin@eli-np.ro
📍 [Bld. Alexandru Obregia Nr. 25, Bl. I4A, Sc. 1, Ap. 9, Sector 4, București](#)

Note: click underlined text to access external links for additional information.

PERSONAL INFORMATION

Birth: 12 June 1973 Citizenship: Romanian Married, two children

EDUCATION

1999-2004 Ph.D. program – [Iowa State University](#) (Iowa, USA), Physics Department.
1996-1997 Master program – [University of Bucharest](#) (Romania), Physics Dept.
1991-1996 B.Sc. program – University of Bucharest, Physics Department.

PROFESSIONAL EXPERIENCE

since 2017 Research Scientist III – [ELI-NP](#), IFIN-HH (Bucharest, Romania)
2015-2017 Research Scientist – [ELI-NP](#), IFIN-HH (Bucharest, Romania)
2014-2015 Postdoctoral Researcher – ELI-NP, IFIN-HH (Bucharest, Romania).
2013-2014 Physics Teacher / Web Educational Project [lectii-virtuale.ro](#)
2007-2011 Postdoctoral Researcher – [Physikalisches Institut](#), Heidelberg University (Germany). Member of the [ALICE](#) experimental collaboration at the Large Hadron Collider (CERN, Geneva, Switzerland).
2004-2007 Postdoctoral Researcher – [Los Alamos National Laboratory](#) (New Mexico, USA). Member of the [PHENIX](#) experimental collaboration at the Relativistic Heavy Ion Collider (BNL, New York, USA)

1997-1998 Research Assistant – IFIN-HH, High Energy Dept. (Bucharest, Romania).

CONFERENCES

- 1) **1st ELI-NP User Workshop**, Magurele (Romania) 7-11 October 2019: talk entitled "The ELI-NP IGISOL radioactive ion facility"
- 2) **ECAART13** (European Conference on Accelerators in Applied Research and Technology), Split (Croatia) 6-10 May 2019: talk entitled "The IGISOL radioactive ion beam facility at ELI-NP"
- 3) **SMI-2019** (International Conference on Stopping and Manipulation of Ions and related topics), Montreal, Canada, 16-20 July 2019: invited talk entitled "The ELI-IGISOL radioactive ion beam facility at ELI-NP"
- 4) **EuNPC 2018** (European Nuclear Physics Conference), Bologna (Italy) 1-8 September 2018: talk entitled "The Cryogenic Stopping Cell of the IGISOL facility at ELI-NP"
- 5) **ISPUN17**, Halong City (Vietnam) 25-30 September 2017: talk entitled "Cryogenic Stopping Cell for Photofission Exotic Fragments at the ELI-NP Facility"
- 6) **Helmholtz International Summer School NTAA2017**, Dubna (Russia) 10-22 July 2017: two courses entitled "Nuclear physics with gamma beams at ELI-NP"
- 7) **FRS Ion Catcher Meeting**, Giessen (Germany) 8-9 December 2016: talk entitled "Plans for the IGISOL Facility at ELI-NP"
- 8) **Nuclear Photonics 2016**, Monterey (USA) 16-21 October 2016: talk entitled "Photofission Experiments at the ELI-NP Facility"
- 9) **EURORIB'15**, Hohenroda (Germany), 7-12 June 2015: talk entitled "Photofission Experiments at the ELI-NP Facility"
- 10) **Nuclear Structure and Dynamics III**, Portoroz (Slovenia), 14-19 June 2015: poster entitled "Gas Stopping Cell for Photofission Exotic Fragments at the ELI-NP Facility"

COMPUTER/PROGRAMMING SKILLS

Programming in C/C++: development of data acquisition and analysis software within frameworks like **ROOT** and **STL** (on Linux systems).

Simulations: **GEANT4** (particle transport and interaction with matter), **SIMION** (ion transport in electromagnetic fields).

Web database applications: **PHP/MySQL** (on Linux systems) – dynamic web interfaces to relational databases.

CERTIFICATIONS

Radioprotection: Level 2 in specializations Particle Accelerators and Sealed Sources.

ACHIEVEMENTS

Member of the Photofission Working Group at ELI-NP and co-author of the GBS-TDR3 "Photofission Experiments at ELI-NP".

Scientist responsible for the development of the ELI-IGISOL beamline at ELI-NP.

I have participated in complementary physics experiments and test experiments at other IGISOL facilities. I am co-spokesperson for an experiment at GSI in 2019.

Co-author on many scientific articles within the ELI-NP, ALICE and PHENIX collaborations and first author for two scientific articles on the photofission experimental program at ELI-NP.

Development of the inventory and tests database [RA4DB](#) of the RA4 group at ELI-NP.

LANGUAGES

English – fluent speaker, advanced writing skills

Swedish – beginner