

Curriculum Vitae



Personal information

| | | |
|----------------------------|---|--|
| First name(s) / Surname(s) | Gheorghe / CĂTA-DANIL | |
| Address(es) | 313 Splaiul Independenței, sector 6, Bucharest RO-060042, ROMANIA | |
| Telephone | +40 - 21 402 91 02 | |
| Fax | +40 - 21 402 91 20 | |
| E-mail | cata-danil@physics.pub.ro | Web: http://www.physics.pub.ro |
| Nationality | Romanian | |
| Date of birth | September 22, 1957 | |
| Gender | Male | |

Work experience

| | |
|--------------------------------------|--|
| Dates | 2000 - present |
| Occupation or position held | Professor |
| Main activities and responsibilities | <i>Teaching:</i> General Physics for Engineers, Nuclear Physics and Applications; Coordination of Projects for Diploma and Dissertation Thesis. <i>PhD Supervisor (2003-present):</i> 17 PhD Thesis completed <i>Scientific Research:</i> Experimental Nuclear Structure Physics, Nuclear Radiations Detection and Dosimetry, Applied Nuclear Physics, Technical Developments of Particle Accelerators <i>Director of the Physics Department (2006-present):</i> University Department Management |
| Name and address of employer | University POLITEHNICA of Bucharest (UPB), 313 Splaiul Independenței, sector 6, Bucharest RO-060042, ROMANIA |
| Type of business or sector | Higher Education |

| | |
|--------------------------------------|--|
| Dates | 1984 – 2015 |
| Occupation or position held | Physicist Engineer, Researcher, Senior Researcher |
| Main activities and responsibilities | <i>Scientific Research:</i> Experimental Nuclear Structure Physics, Nuclear Radiations Detection and Dosimetry, Technical Developments of Particle Accelerators <i>Management:</i> Director of the Nuclear Physics Department (2002-2005), Deputy Director of the ELI-NP Major Project (2013-2015), Head of the PAC for Tandem Accelerators (2009-2015), Specific Management of Nuclear Activities and Particle Accelerators. |

Name and address of employer: "Horia Hulubei" National Institute of Physics and Nuclear Engineering (IFIN-HH)
30 Reactorului St., PO Box MG-6, Bucharest-Măgurele, 077125, ROMANIA

Type of business or sector | Scientific Research

Dates | 1982-1984

Occupation or position held | **Physicist Engineer**

Main activities and responsibilities | Measurements of the radiations from the irradiated nuclear fuel, numerical simulations of the detection efficiencies for high resolution Germanium Detectors

Name and address of employer | Institute for Nuclear Energy Reactors (IRNE), Campului Str., Nr. 1, POB 78, 115400 - Mioveni, Arges, ROMANIA

Type of business or sector | Scientific Research

Dates | 1991-2000

Occupation or position held | **Postdoctoral and visiting scientist positions**

Main activities and responsibilities | Experimental Research in Nuclear Structure Physics

Name and address of employer | - Institut des Sciences Nucleaires, Grenoble, France
- Universitat Ludwig Maximilian, Muenchen, Germany
- Universita degli Studi, Milano, Italy
- Yale University, USA

Type of business or sector | Higher Education and Scientific Research

Education

Dates | 1987-1991

Title of qualification awarded | **PhD in Physics**

Principal subjects/occupational skills covered | Nuclear Structure Physics
"Nuclear Structure Investigations in Medium Mass Nuclei", under supervision of Prof. Dr. Marin IVAȘCU

Name and type of organisation providing education and training | Institute of Atomic Physics, Bucharest, Romania

Dates | 1977-1982

Title of qualification awarded | **Diploma in Physical Engineering**

Name and type of organisation providing education and training | Faculty of Physics, University of Bucharest, Romania

Personal skills and competences

Mother tongue Romanian

Other languages
English
French

| UNDERSTANDING | SPEAKING | WRITING |
|------------------|------------------|------------------|
| Proficient level | Proficient level | Proficient level |
| Basic user | Basic user | Basic user |

Social skills and competences

Ability to work in international research teams, acquired mainly during the working stages abroad (France, Italy, Germany and USA)

Organisational skills and competences

- Manager of Higher Education and Research Departments;
- Manager of national research projects, and member of various national and international research projects and grants;
- Member of International Research Bodies (e.g. NuPECC, IUCN-Dubna Scientific Council)

Technical skills and competences

- In-beam/off-beam gamma-ray spectroscopy
 - High-resolution multidetector
 - Activation gamma measurements
- Positron annihilation spectrometry in materials research
 - Fast timing (LaMAR)
 - Doppler Broadening (LaMAR)
- Low-level radioactivity measurements (LaMAR)

Other skills and competences

- Reviewer: Rom. Rep. in Physics, Phys. Rev. C, Eur. J. Phys., J.Phys.G, Bull. Sci. UPB
- Memberships:
 - Romanian Physical Society
 - European Physical Society
 - American Physical Society

Published Papers

Author/co-author for over 120 publications in high impact scientific journals

Bucharest,

November 15, 2019

Gheorghe CATA-DANIL