

# Curriculum Vitae



## Personal information

First name(s) / Surname(s)	<b>Gheorghe / CĂTA-DANIL</b>	
Address(es)	313 Splaiul Independenței, sector 6, Bucharest RO-060042, ROMANIA	
Telephone	+	
Fax	+	
E-mail	cata-danil@physics.pub.ro	Web: <a href="http://www.physics.pub.ro">http://www.physics.pub.ro</a>
Nationality	Romanian	
Date of birth	September 22, 1957	
Gender	Male	

## Work experience

Dates	2000 - present
Occupation or position held	<b>Professor</b>
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> 19 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	<b>Physicist Engineer, Researcher, Senior Researcher</b>
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	<b>Physicist Engineer</b>
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	<b>Postdoctoral and visiting scientist positions</b>
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	<b>PhD in Physics</b>
Principal subjects/occupational skills covered	Nuclear Structure Physics <i>"Nuclear Structure Investigations in Medium Mass Nuclei"</i> , 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	<b>Diploma in Physical Engineering</b>
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 150 publications in high impact scientific journals  
Hirsch Index 15

Bucharest,

Februarie, 2022

Gheorghe CATA-DANIL