

Curriculum Vitae



Personal information

First name(s) / Surname(s)	Gheorghe / CĂȚA-DANIL	
Address(es)	313 Splaiul Independenței, sector 6, Bucharest RO-060042, ROMANIA	
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E-mail	cata-danil@physics.pub.ro	Web: http://www.physics.pub.ro
Nationality	Romanian	
Date of birth		
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> 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	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 <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	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 150 publications in high impact scientific journals
Hirsch Index 15

Bucharest,

Februarie, 2022

Gheorghe CATA-DANIL