

PERSONAL INFORMATION

Sabin Stoica



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Sex M | Date of birth 01/07/1953 | Romania | Romanian

WORK EXPERIENCE

Horia Hulubei National Institute of Phys. and Nuclear Engineering Bucharest 1999-present  
 Researcher rank 1

- Management of research projects in nuclear physics and high energy physics
- Head of the Department of Theoretical Physics

Horia Hulubei Foundation, Bucharest-Magurele 1997-present: Researcher rk 1, Professor

- Management of educational and research projects in physics
- Chair holder of the UNESCO Chair on “Sustainable Development through Research and Education in Modern Physics”

International Center for Advanced Training and Research in Physics (UNESCO center) – Director (2016- present)

University of Bucharest: 2001-present: professor at the Doctoral school  
 Faculty of Physics PhD adviser in atomic nuclear and high energy physics

EDUCATION AND TRAINING

Replace with dates (from - to)

- PhD in nuclear Physics (1985 – 1988), at Central Institute of Physics, Bucharest, Romania Replace with EQF (or other) level if relevant
- Faculty of Physics, Bucharest University (major nuclear physics) – (1972-1977)
- Carol I National College Craiova – 1968-1972 ( baccalaureate, 1972)

PERSONAL SKILLS  
 organizational

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C2
Replace with name of language certificate. Enter level if known.					
French	C2	C1	C2	C1	B2
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Communication skills	good communication skills gained through my experience as: projects manager, team leader, head of department, lecturer at universities and international conferences
Organisational / managerial skills	Leadership: <ul style="list-style-type: none"><li>- Head of the theoretical physics department (70 people, 50 PhD) – 6.5 years</li><li>- Romanian team leader in the LHCb international collaboration at CERN-Geneva (4.5 years)</li><li>- UNESCO Chair holder 2010-present</li><li>- Director Centre of excellence in Nuclear physics (3 years)</li><li>- Director of the UNESCO cat. II International Centre for Advanced Training and Research in physics (CIFRA) 2016-present</li></ul>
Computer skills	Good knowledge of Microsoft Office tools, Linux, Fortran, Mathematica, Latex, Revtex, etc.
Driving licence	Driving licence category B
Additional information	
Domains of interest: i) research in physics	Nuclear physics and astrophysics, high energy physics, neutrino physics, astroparticle physics
ii) education:	Courses at doctoral school of physics, University of Bucharest Strategy in education (UNESCO STEM program)
Scientific contributions in:	Nuclear physics, high energy physics, neutrino physics, astrophysics, atomic physics
Publications	> 500 articles in highest ISI ranked international journals, > 15000(web of science);> 46 000(google scholar; Hirsh index ~ 60 (web of science);~ 106 (google scholar); ~100 presentations in international seminars and conferences
Projects	Director of ~ 20 national and international projects in research and education
Working stages:	I worked as invited researcher and professor in research centers and universities from abroad. A selected list includes: University of Tuebingen, MaxPlanck Inst., Heidelberg, L.A.L, Paris-Orsay, Centre de Rech. Nucl.-Strasbourg, Tokyo Institute of Technology, Observatoire de la Cote d'Azur-Nice, Univ. of Jyvaskyla, Finland, CERN-Geneva; Iowa University; Institute of Nuclear Theory-Seattle; Livermore Nat. Lab, CMU-Michigan, University of Sao Paulo,etc.
Invited talks (selection, >2002):	“Int. Conf. on Theoretical Physics (TH2002)”, Paris, July 22-27, 2002. “ Nuclear Structure and Nuclear Reactions” (NSNR03), Dubna, Russia, September 2-6, 2003. “Microscopic Nuclear Structure Calculations”, Seattle, SUA, September 27 – October 3, 2004. Exotic Nuclei and Nuclear/Particle Astrophysics (I, II, III, IV)”, Mamaia, 2005, Sinaia, 2007, 2010, 2012. 3rd Joint Meeting of American Physical

## Invited seminars (selection):

Society and Physical Society of Japan, October 13-17, 2009, Waikoloa, Hawaii, MEDEX, Praga, 2013-2019, MANPP, Beijing-Aug. 2013. Int. Symp. on Phys. of Unstable Nuclei (ISPUN14), HoChiMinh-Vietnam- 2014 11<sup>th</sup> Int. Spring Conf. on Nucl. Phys., Ischia, Italy-May 2014. Int. Conf. on Topics in Astroparticle and Underground Phys.(TAUP2014), Torino-Sept. 2015, INPC2016-September, Adelaide, Australia, ICNFP2016, Crete, Greece, July-2016, ICHEP, September 2019, Seoul, Korea, CNNP2020, Cape Town, February 2020, etc..

## Organization of international Meetings (selection list)

JINR-Dubna (1990); Institute of Physics, Univ. M. Curie-Sklodowska, Poland (1991, 1992); LEGNARO, Padova, Italy (1991); I. P. N., Orsay, France,(1992); CEA, Saclay, Div. Phys. Theorique (1992); C.E.A., Centre d'Etudes Bruyeres le Chatel, France (1992); C.R.N., IN2P3, Bordeaux, France (1993); Max-Plank-Institut, Heidelberg, Germany, (1993, 1994, 1995, 1998, 1999, 2000); GSI-Darmstadt (Germany) (1994); ECT\*, Trento, Italy (dec. 1992); Nucl. Research Center, Osaka and Tokyo Intitute of Technology, Japan (1995); Observatoire de la Cote d'Azur, Nice (1996, 1998, 2000, 2001, 2002, 2003); Univ. Jyvaskyla (1996); Institute of Astronomy and Geophysics, Univ. of Sao Paulo, Brasil (2000, 2004); Federal University of Rio de Janeiro, Brasil (2000); Univ. Iowa, SUA (2001, 2003); Centre de la Physique de Particules, Marseille (2003); Cyclotron Institute, Univ. Texas A&M (2004), Lawrence Livermore National Laboratory, US, July2006; LAL-Orsay-2012; CERN-Jan. 2013; Inst. of Phys, Hanoi-Nov. 2014, Observatoire de la Cote d'Azur, Nice, June 2016, University of Zurich, Sept.-2016.

## Honours, awards, memberships:

NATO-ASI School on nuclear physics, Predeal 1993; CSSP: Mamaia 2005; Sinaia 2007, 2010; Workshop on Double-beta decay, ECT\*, Trento (1995, 2012), Int. Year Light Congress, Bucharest Parliament Palace 2015; Pontecorvo School of Physics, Sinaia 2020

- The prize of the Romanian Academy for physics for the year 1996
- Founding member of Horia Hulubei Foundation (member of the Directorate Committee) (1997-present)

**Member of large international collaborations:** LHCb-CERN collaboration, DUNE (Deep Underground Neutrino Experiment) collaboration, Fermilab-South Dakota, USA, associate member of the SuperNEMO (Neutrino Experiment on Mo-a double beta decay international experiment) collaboration, Modane, France, LAGUNA collaboration (study for a European deep underground laboratory).

**Professional responsibilities during the time:**

- Head of the Theoretical Physics Department of IFIN-HH (2001 - 2008)
- Romanian team leader in the LHCb experiment at CERN (2004 – 2009)
- Head of the Centre for Nuclear Physics and Related Domains (2008 - 2009)
- link person for Romania with ECT\* Trento, Italy (1995 – 2009)
- *Member of the Scientific Council of IFIN-HH (2002 - 2007)*
- Member of Directorate Committee of IFIN-HH (2001 - 2009)
- Chair holder of the UNESCO chair on „ *Sustainable Development through Research and Education in Modern Physics*” (2010-present)

- Member of the Board of LHCb international experiment at CERN, Geneva (2004-2009)
- Member of the Scientific Board of International Basic Science Program of UNESCO (2015-present)
- Member of the Board of DUNE collaboration (2015–present)
- Director of the UNESCO cat. II International Centre for Advanced Training and Research in physics (2016-present)

- **Director and scientific secretary of several international meetings**, including: NATO-ASI – Predeal, Romania, 1993(scientific secretary), Summer schools: „Structure and Stability of Nuclei and Nuclear Systems, Predeal, Romania, 1998(scientific secretary), Advances in Nuclear Physics, Bucharest, 1999(scientific secretary), Carpathian Summer Schools of Physics: „Exotic Nuclei and Nuclear/Particle Astrophysics, eds. 2005, Mamaia(director), 2007, 2010(director), Sinaia, Romania, Workshops: „Double-Beta Decay and Related Topics, ECT\*, Trento, 1995 (main organizer), „Towards a Resolution of the Double Beta Decay Problem”, ECT\*, Trento, 2012(main organizer), Int. Year Light Congress, Bucharest Parliament Palace 2015 (main organizer); Pontecorvo Neutrino Physics School, Sinaia 2020 (vice-chair).

**Refere** for journals of physics: Physical Review C, Journal of Physics G, Nuclear Physics A,

Advances in High Energy Physics, Physica Scripta, etc.

[ANNEXES](#) Publication lists