

PERSONAL INFORMATION

Sabin Stoica



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

WORK EXPERIENCE

Replace with dates (from - to)

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

UNESCO cat. II International Centre for Advanced Training and Research in physics (CIFRA)

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

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

Organisational / managerial skills

Leadership:

- Head of the theoretical physics department (70 people, 50 PhD) – 6.5 years
- Romanian team leader in LHCb international collaboration (16 people) – CERN-Geneva (4.5 years)
- UNESCO Chair holder (10 people) (5 years)
- Director Centre of excellence in Nuclear physics (3 years)
- Director of the UNESCO cat. II International Centre for Advanced Training and Research in physics (CIFRA)

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: nuclear:

Nuclear physics and astrophysics, high energy physics, neutrino physics, astroparticle physics

Scientific contributions in:

Double-beta decay, high energy physics, neutrino physics, astrophysics, atomic physics

Publications

> 500 articles in highly ranked international review journals, ~ 15,000 citations without self-citations; Hirsh index = 64 (WoS) = 115 (Google scholar); > 60 presentations in international seminars and conferences

Projects

Director of ~ 25 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, University Marie Curie Skodlovska-Ljublin, MPI- Heidelberg, L.A.L-Orsay, Centre de Rech. Nucl.-Strasbourg, Tokyo Institute of Technology, Observatoire de la Cote d'Azur-Nice, University of Jyvaskyla, CERN-Geneva; Iowa University; Institute of Nuclear Theory-Seattle; LLNL-Livermore, CMU-Michigan, IAG-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 Society and Physical Society of Japan, October 13-17, 2009, Waikoloa, Hawaii, MEDEX, Praga-2013, MEDEX, Praga-2015. MANPP, Beijing-Aug. 2013. Int. Symp. on Phys. of Unstable Nuclei (ISPUN14), HoChiMinh-Vietnam- 2014 11th Int. Spring Conf. on Nucl. Phys., Ischia-May 2014. Int. Conf. on Topics in Astroparticle and Underground Phys.(TAUP2014), Torino-Sept. 2015, INPC2016-September, Adelaide, Australia, ICNFP2016, Crete, Greece, July-2016; LASNPA,

Havana 2017; TESNAT, Turkey, 2018, ICHEP, Seoul, 2018; MEDEX'19, Prague, 2019; CNNP, Cap Town, February 2020.

Invited seminars (selection):

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

- Award 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(Fermilab-USA) (2015–present)

- Member of the editorial Board of Universe journal
- 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); Pontecorvo Neutrino Physics School, Sinaia, 2019.

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

Advances in High Energy Physics, Physica Scripta, Symmetry, Universe, etc.

ANNEXES Publication lists