






PERSONAL INFORMATION

Sabin Stoica



-  407, Atomistilor street, Bucharest-Magurele, 077125, Romania
-  +40-21-4574142  +40-740189698
-  sabin.stoica@unescochair-hhf.ro, stoica@theory.nipne.ro
-  www.theory.nipne.ro/~stoica/

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 2012- 2016: 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

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|------------------------------------|--|
| 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">- Head of the theoretical physics department (70 people, 50 PhD) – 6.5 years- Romanian team leader in the LHCb international collaboration at CERN-Geneva (4.5 years)- UNESCO Chair holder 2010-present- 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) 2016-present- Vice-president of the Horia Hulubei Foundation |
| Computer skills | Good knowledge of Microsoft Office tools, Linux, Fortran, Mathematica, Latex, Revtex, etc. |
| Driving licence | Driving licence category B |

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| Additional information | |
| Domains of interest: | Nuclear physics and astrophysics, high energy physics, neutrino physics, astroparticle physics |
| i) research in 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, Citations: > 15000(web of science);> 49 000(google scholar; Hirsh index ~ 60 (web of science);~ 110 (google scholar); ~100 presentations in international seminars and conferences |
| Projects | Director of ~ 20 national and international projects in research and education |
| Working stages (selection): | 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 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 th 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, South Africa. |
| 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-Planck-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. |
| Organization of international Meetings (selection list) | 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 |

- 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 (2015–present)
- Member of the Advisory Board of the 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), 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.

