

Curriculum Vitae

Dr. Béla Sulik

University of Debrecen

**& Institute of Nuclear Research (Atomki)
of the Hungarian Academy of Sciences (HAS)**



Position Lecturer at the Department of Environmental Physics
at the University of Debrecen

Principal member of the Ph.D. School in Physics at the University of Debrecen

Scientific Advisor of the Section of Atomic Collisions, and the deputy director of Atomki

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Research Interests

Atomic collision physics - electron spectroscopy

Collisional multi-step and multi-electron processes

Fragmentation of molecules by ion impact

Ion-insulator interactions in nanocapillaries; ion guiding

Personal Information

Born February 25, 1950 Budapest, Hungary, Hungarian citizen, married, 2 children

Education, Academic Degrees

-Diploma (MSE), 1974, Technical University of Budapest, electronics

-Dissertation (doctor's degree or Ph.D.), 1981, University of Debrecen, physics

-Academic habilitation (Candidate of Physical Science, C.Sc.), 1992

-Doctor of the Hungarian Academy of Sciences, HAS (D.Sc.), 2003

Professional Career

1974 – 1981, electrical engineer, later scientific fellow, Atomki, HAS

1981 – 1983, scientific coworker, Joint Institute of Nuclear Research (JINR) Dubna, Russia

1983 – 1991, scientific coworker, Atomki, HAS

1991 – 1992, guest scientist, Hahn-Meitner Institute, Berlin,

1992 – 2001, senior scientist, Atomki, HAS

2001 – 2002, senior guest scientist Hahn-Meitner Institute, Berlin, Germany

2002 - scientific adviser

1996 – 2005, deputy. leader of the Section of Atomic Collisions Atomki, HAS

2005 – 2007, head of the Section of Atomic Collisions, Atomki, HAS

2008 - deputy director of Atomki, HAS

Teaching

-Writing textbooks for secondary schools (1979-82)

- Ph.D. and MSE supervisor from 1990 (4 students up to Ph.D. degree)

- Lecturing at the Debrecen University from 1996:

Experimental Atomic Physics (UoDebrecen, physics requirement)
Accelerator Based Atomic Physics (UoDebrecen, elective/graduate)
Data Acquisition and Process Control Lab (UoDebrecen informatics req.)

Distinctions

1985 Annual Award of the Joint Institute of Nuclear Research, Dubna, 1985 (shared)
 2000 Szalay Sándor Award by: Roland Eötvös Physical Society
 2001 Atomki Annual Award
 2008 Physics Prize, by: Department of Physical Sciences of HAS
 2008 APS Fellowship (Fellow of the American Physical Society)

Research Activities

Publications (For reference see <http://w3.atomki.hu/p2/authors/aut00095.htm#Table>)

129 Articles in peer-reviewed major international journals
98 Invited talks at universities and research institutes
29 Invited talks at international conferences/workshops
766 Fully independent citations
18 h – index (Hirsch number)

Grants

-Leader of 3 projects (Hungarian National Science Foundation, OTKA) between, 1996-2007, in the value of 14 million HUF
 -Leader of two presently running OTKA projects (2008-2014) in the value of 28 million HUF
 -Hungarian leader of international collaboration projects (1993-), 9 million HUF

Role in scientific community

1993 - 2004 Secretary and chair of the Workshops on Fast Ion-Atom Collisions, Debrecen (1993, 1996, 1998, 2004)
 1996 - 1999 Chair of the Physics Division of the Debrecen Academic Committee
 2002 - 2007 Member of the International Scientific Committee of the conference series "X-ray and Inner Shell Processes"
 2004 - 2007 Member of the Management Committee of the European COST Action P9 "Radiation Damage in Biomolecular Systems"
 2004 - 2007 Member of the Collaboration Board of the Stored Particle Atomic Physics Research Collaboration (SPARC), at the future GSI facility, FAIR
 2004 - 2007 Member of the Supervisory Committee of the Roland Eötvös Physical Society
 2004 - 2008 Member of the Mathematics and Natural Sciences Board of the council of HAS
 2005 - 2009 Member of the General Committee of the biannual conference series "International Conference on Photonic, Electronic and Atomic Collisions" (ICPEAC)
 2006 - 2010 Users Delegate in the Executive Committee of the Integrated Infrastructure Initiative ITS LEIF (Ion Technology and Spectroscopy at low Energy Ion Beam Facilities)
 2007 - Member of the Physics Board of the Hungarian Accreditation Committee
 2008 – Member of the Steering Committee of the Hungarian Ion-Beam Physics Platform
 2008- Elected representative of doctors of HAS
 2008- 2010 Chair of the Steering Committee of the Hungarian Ion-Beam Physics Platform
 2009- Chair of the Mathematics and Natural Sciences Board of HAS
 2010- Member of the Management Committee of the European COST Action MP1002 „Nano-scale insights in ion beam cancer therapy” (Nano-IBCT)

Languages: Hungarian(native), English (professional), German, Russian (limited)