

CURRICULUM VITAE

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Birth data: Born on November 12, 1962 in Debrecen, Hungary

Citizenship: Hungarian

Education and Degrees: Diploma in Physics, 1987, Lajos Kossuth University, Debrecen
PhD in Physics, 1990, Lajos Kossuth University, Debrecen
Candidate of the Physical Sciences, 1995, Hungarian Academy of Sciences
Doctor of the Hungarian Academy of Sciences, 2004

Positions: Doctoral scholar, Atomki, Debrecen, August 1988 – August 1991
Research Fellow, Atomki, September 1991 — November 1995
Postdoctoral fellow (Fulbright scholar), Yale University, New Haven, USA,
September 1992 – August 1993
Senior Research Fellow, Atomki, November 1995 – February 2004
Scientific Advisor, Atomki, from March 2004

Others: Visiting graduate student (with Soros fellowship), Department of Theoretical Physics and Corpus Christi College, University of Oxford, UK, September 1987 – July 1988
DAAD fellow, Institut für Theoretische Physik, Justus-Liebig-Universität, Giessen, Germany, October 1991 – January 1992
Visitor at the Dept. of Theor. Nucl. Phys. and Math. Phys., Université Libre de Bruxelles, Brussels, Belgium, April – June 1995
JSPS fellow at the Department of Theoretical Physics, Hokkaidō University, Sapporo, Japan, April – May 1996
ENEA fellowship, ENEA, Bologna, Italy, October 1997, November 1998, November 2001.

Bolyai Research Fellowship of the Hungarian Academy of Sciences, June 1998 – May 2001.

Foreign Visiting Fellow at the Hokkaidō University, Sapporo, Japan, September – November 1999.

- Prizes and awards: “Youth Prize” of the Hungarian Academy of Sciences, 1991 and 1995
“Jánossy Lajos” Prize of the Hungarian Physical Society, 1999
“Szalay Sándor” Prize of the Atomki, 2007
Plaque of the Debrecen Regional Committee of the Hungarian Academy of Sciences, 2020
- Memberships: Roland Eötvös Physical Society (Hungarian Physical Society, ELFT)
- Responsibilities: Deputy head of the Section of Theoretical Physics of the Atomki, 2005 – 2016
Member of the Nuclear Physics Committee of the Hungarian Academy of Sciences, 2005 –
Chairman of the Science Board of the Atomki, 2010 –2016
Member of the College of Physical Sciences of the OTKA (Hungarian Scientific Research Fund), 2010 – 2012
Chairman of the Physics Committee of the Debrecen Academic Committee (DAB), 2014 –
Member of the Mathematics and Natural Sciences Committee of the Council of Academic Research Institutes (AKT) of the Hungarian Academy of Sciences, 2015 –2016
Deputy director of Atomki, 2016 –
Deputy chairman of the Nuclear Physics Committee of the Hungarian Academy of Sciences, 2017 –
- Main research topics: Quantum mechanics: exactly solvable potentials and their symmetries (supersymmetric quantum mechanics, models based on Lie algebras, \mathcal{PT} symmetric quantum mechanics);
Theoretical nuclear physics: algebraic models, cluster structure of nuclei
- PI of OTKA projects: F4303 Investigations in supersymmetric quantum mechanics and its applications, 1992-95.
F20689 Analytical solution of quantum mechanical problems, 1996-99.

T31945 Investigation of quantum mechanical systems and their symmetries, 2000-05.

T49646 Complex symmetries of physical systems, 2005-09.

K112962 Beyond Hermiticity: open quantum systems, 2014-19

Collaborations: Yale University, Center for Theoretical Physics, New Haven, USA, 1994 – 1997

GANIL, Caen, France, 1994-2006

National Autonomous University of Mexico (UNAM), Institute of Nuclear Physics, Mexico City, Mexico, 1995–2007

Indiai Statistical Institute (ISI), Department of Theoretical Physics and Applied Mathematics, Kolkata, India, 2003–2005

Publications, citations: <https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=authors10008086>

Refereeing, reviewing: J. Phys. A, Phys. Lett. A, Phys. Rev. Lett., Phys. Rev. C, J. Math. Phys., Mod. Phys. Lett. A, Mod. Phys. Lett. B, Ann. Phys., Physica Scripta, J. Math. Chem., Mol. Phys., J. Phys. G, Int. J. Theor. Phys., Int. J. Mod. Phys. E, Ann. der Phys., Z. für Naturf., Few Body Systems, Eur. J. Phys., Proc. Roy. Soc. A, Prog. Theor. Phys., J. Phys. Chem. Sol., Comm. in Theor. Phys., Canadian J. Phys., Philosophical Transactions, Pramana J. Phys., Rep. on Math. Phys., J. Phys. Conf. Ser., Cent. Eur. J. Phys., SIGMA, Symmetry, Springer Proc. Phys., Acta Polytechnica, Math. Rev.