Dr. Zsolt Fülöp

Envoy Extraordinary and Minister Plenipotentiary for the coordination of the ELI consortium

Pursuant to the Government Resolution no. 1777/2016. (XII. 15.) on the measures related to the appointment of the organisation exercising the owner's rights and obligations vested in the state over ELI-HU Research and Development Non-profit Ltd.: a person deemed responsible for coordinating the implementation of the ELI-ALPS project in Hungary, conducting discussions with members of the ELI European Research Infrastructure Consortium and promoting the domestic and international utilisation of the research capacities of the ELI facilities, authorised also to act in inter-governmental negotiations.

Envoy extraordinary for the international utilisation of the ELI laser research centre capacities in Szeged

Higher education

- 2010 MBA, Debrecen University
- 2006 Doctor of the Hungarian Academy of Sciences in Physics
- 1995 MA in specialised English translation, Kossuth Lajos University, Debrecen
- 1993 PhD in Physics, summa cum laude, Kossuth Lajos University, Debrecen
- 1989 MSc in Physics, Kossuth Lajos University, Debrecen

Professional experience

- 2016– scientific advisor
  ATOMKI Institute for Nuclear Research of the Hungarian Academy of Sciences
- 2008–2015 director
  ATOMKI Institute for Nuclear Research of the Hungarian Academy of Sciences
- 2005–2007 deputy director
  ATOMKI Institute for Nuclear Research of the Hungarian Academy of Sciences
- 2003–2005 head of department
  ATOMKI Institute for Nuclear Research of the Hungarian Academy of Sciences
- 1989– ATOMKI Institute for Nuclear Research of the Hungarian Academy of Sciences

Scientific activity

Published around 400 papers in international journals on nuclear astrophysics.

- approx. 3200 independent citations (2300 SCI)
- impact factor: ~700
- H-index: 40
- ResearcherID: http://www.researcherid.com/rid/B-2262-2008
- detailed list of publications: http://www.atomki.hu/p2/authors/aut03303.htm
  http://www.researcherid.com/rid/B-2262-2008
- in MTMT database: 238 articles, total/independent citations 4280/2750, impact: 625, H-index: 37

Research topics, collaborations

- underground nuclear physics: LUNA collaboration, LNGS, Italy
- exotic nuclear physics: RIKEN, Wako, Japan
- astrophysical p-process:
  - flexible variances: University Lisbon, Portugal
  - a-induced reactions: University of Notre Dame, USA
  - statistical model: University Basel, Switzerland

Invited lecturer

- 2015 EuNPC Groningen, Netherlands
- 2014 ATHENA final workshop, Como, Italy
- 2011 P-process workshop, Istanbul, Turkey
- 2010 Nuclei in the Cosmos, Heidelberg, Germany
- 2008 SARAF Workshop, Israel

- 2007 Annual NuSTAR Meeting, GSI, Germany
- 2005 Central Europe Nuclear Physics North-East European Network Meeting, Prague, Czech Republic
- 2005 3rd Sandanski Coordination Meeting on Nuclear Science, Albena, Bulgaria
- 2005 Carpathian Summer School of Physics, Mamaia, Romania
- 2004 Experimental Nuclear Astrophysics - Challenges and Oppportunities, Karlsruhe, Germany
- 2004 General Assembly of Hungarian Physical Society, Szombathely, Hungary
- 2004 Nuclei in the Cosmos VIII, Vancouver, Canada
- 2004 Advances and Challenges in Nuclear Astrophysics Workshop, ECT Trento, Italy
- 2003 Nuclear Structure and Related Topics, Dubna, Russia
- 2001 Hungarian Academy of Sciences, Physics Board meeting, Budapest, Hungary

Journals and editions, peer reviews

- Central European Journal of Physics
- European Physical Journal A
- Nuclear Instruments and Methods B
- Nuclear Physics A
- Journal of Physics G
- Proceedings of NPA-2, Springer, European Physical Journal A27 (2006)
- Proceedings of NPDC17, Elsevier, Nuclear Physics A719 (2003)
- Proc. of European Workshop on Heavy Element Nucleosynthesis (1994)
- 2006– peer reviewer for the European Science Foundation (ESF)
- 2006 peer reviewer for the National Office for Research and Technology (NKTH)
- 2007 peer reviewer for the Hungarian Scientific Research Fund (OTKA)
- 2009– peer reviewer for the Institute of Research Programmes (KPI)
- 2014– managing editor, European Physical Journal Plus
- 2014– member of the Editorial Advisory Board, Europhysics News

Funded research projects lead

- ESF EUROCORES: EUROGENESIS 2010-
- OTKA (F4350, CW015604, W016638, T042733, K068801, NN83261, K101328, K120666)
- OM (2002: conference organisation, 2003: DVD release)
- EU-HPRI (2002: TARI P01/02, 2003: TARI P01/03)
- EU-ILIAS (2004: P07/04, 2006: P2006-07-LNGS, 2007: P2007-03-LNGS)
- NKTH (Japanese-Hungarian S&T, JAP-16/06)

International study tours

- 1996–1997 Bochum, Germany (low energy collisions)
- 1997–2000 RIKEN, Wako, Japan (radioactive beam studies)

Participation in international and Hungarian professional organisations

- 2006– individual member of the European Physical Society (EPS)
- 2007–2012 ordinary member of the Nuclear Physics Division, EPS
- 2008-2011 Hungarian representative to the NuPNET nuclear physics network, FP7
- 2008– member of the Nuclear Physics Committee of the Hungarian Academy of Sciences
- 2009 chair-elect of the Nuclear Physics Division, EPS
- 2009–2012 member of the Doctoral Council of Natural Sciences, Debrecen University
- 2010 member of the Nuclear Astrophysics Editorial Board in NuPECC Long Range Plan, ESF
- 2010-2011 chair of the Nuclear Physics Division, EPS
- 2010– member of the Scientific Council of the Hungarian Atomic Energy Authority
- 2012 chair resigning of the Nuclear Physics Division, EPS
- 2012–2016 member of the Executive Committee, EPS
- 2012 member of Academia Europaea
- 2012 chair of the Inter-ministerial and Inter-organisational Working Committee for Research Infrastructure
- 2013– chair of the Board of Trustees of Debrecen University Development Foundation (DEFA)
- 2013– member of the Habilitation Committee and Doctoral Council of Debrecen University
- 2013– member of the Users Board, CCB (Cyclotron Center Bronowice), Krakow
- 2014– honorary professor, ELTE University
- 2014– member of Management Board of the Hungarian Academy of Sciences
- 2014– leader of the Nuclear Physics Subprogramme at the Doctoral School of Debrecen University
- 2014– member of the Scientific Committee, IFMIF-ELAMAT

Dissemination, outreach

- 1989– presenting ATOMKI to high school students
- 2004 editing a special edition on ATOMKI for the Journal of Hungarian Physical Society
- 2004 editing an edutainment DVD "Element Genesis"

- 2008 editing the module "Nuclear processes in nature" of the UNESCO-EOLSS encyclopaedia
- 2009 co-author of book chapter "Nuclear physics tracing how elements were born" (Excerpts from the history of nuclear science – Persons, ideas, stories)
- 2010 scientific advisor to the edutainment film "Elemental Dream"
- 2012 member of the advisory group for an adventure novel "Stone of the Devil"
- 2012 consultant to volume May of the periodical "World of Nature"
- 2015 consultant to MIAZMA an educational adventure game

Awards

- 1992 ATOMKI Junior Prize
- 1994 ATOMKI Schlenk Bálint Prize
- 2004 Selényi Prize of ELFT Physical Society
- 2006 ATOMKI Szalay Prize
- 2006 award of the Section of Physics, Hungarian Academy of Sciences
- 2006 MTA Fizikai Osztályának díja
- 2010 Hatvani István Prize
- 2016 Hungarian Order of Merit, Officer's Cross
- 2016 “Pro Urbe” Debrecen

Language skills

- English – proficient user
- Russian – proficient user
- German – intermediate user

Personal data

- date of birth: 12 November 1964
- marital status: married, father of five children