

## **István Földes**

### **Wigner Research Centre for Physics**

H-1121 Budapest, Konkoly-Thege út 29-33, HUNGARY

e-mail: [foldes.istvan@wigner.hu](mailto:foldes.istvan@wigner.hu)

phone: +3613922222

### ***Curriculum vitae***

**2<sup>nd</sup> September 1954:** born in Budapest, married, one son (1988).

**1977:** Dipl. Physicist, Lóránd Eötvös University of Sciences.

1977- coworker of the Plasma Physics Department of the Research Institute of Particle and Nuclear Physics of the Hungarian Academy of Sciences, at present scientific advisor.

**1980:** dr. nat. sci. degree ("summa cum laude") at the Lóránd Eötvös University

1980-1984: Nonlinear laser-plasma interactions, self-focusing, tokamak diagnostics

1984–1986 guest scientist, Max-Planck-Institut für Quantenoptik (MPQ), Garching, FRG,

light absorption and x-ray shadowgraphy of laser-heated Hohlräume.

**1988:** Candidate of the physical science degree of the Hungarian Academy of Sciences (thesis: "Laser Plasmas in Closed Cavities")

1987-1991: Imprisonment of resonant radiation in a plasma. Resonant ionization spectroscopy

1991-1993: Guest researcher in the MPQ, Germany. Joint experiment of the MPQ and the ILE in Osaka, Japan. Soft x-ray physics, x-ray heated materials.

1994- Project leader on laser plasma interactions in Hungary, co-founder of the HILL laboratory, University of Szeged.

**2003:** Doctor of the Hungarian Academy of Sciences (thesis: „Radiation from laser plasmas”)

**2008:** Honorary professor of the University of Szeged

**2012:** Guest professor in Germany at the Hochschule Emden-Leer, University of Applied Sciences

**Teaching:** MSc and PhD courses in the University of Szeged on "Physics of shock waves", „Radiation in plasmas”, „Introduction to the physics of laser

plasmas". Teaching (1 semester) at the Carl von Ossietzky University of Oldenburg: Electromagnetic waves in plasmas; X-ray and XUV spectroscopy. At present PhD course at the Roland Eötvös University.

**173 publications** with 770 independent citations; h-index: 19, according to scholar.google.com

**Memberships:** EPS and Roland Eötvös Society member.

Member of the BPIF board of the EPS Plasma Physics Division since 2018.

Member of the Laser Physics Board of the Hungarian Academy of Sciences

User Representative in LASERLAB Europe (several cycles, until 2017).

Program committee member of PALS laser system, Prague

**Leadership experience and grants:**

- Since 2002 the leader of the Hungarian EURATOM/EUROFUSION activity in Inertial Fusion.

- Chief Hungarian scientific investigator of two IAEA coordinated research programs,

- Several Hungarian „OTKA contracts”

- Hungarian-Italian bilateral project, 2008-10

- Organizer and Chairman of the IAMPI conference (Szeged, 2006) and the 31st ECLIM (Budapest, 2010)

**Awards:** Youth Prize of the Central Research Institute for Physics, 1981.

Pál Selényi award of the Roland Eötvös Physical Society in 1997.