



CURRICULUM VITAE

- **NAME:** Gábor Szabó
- **POSITION:** managing director, **ELI-ALPS**; professor of physics, **UNIVERSITY OF SZEGED**
- **ACADEMIC QUALIFICATIONS:**
full member of the Hungarian Academy of Sciences (since 2010)
Doctor of Physical Sciences (1993, Hungarian Academy of Sciences)
diploma in physics (1978, József Attila University, Szeged, Hungary)
- **RESEARCH FIELDS AND INTERESTS:**
 - photoacoustic spectroscopy, ultrafast laser spectroscopy
 - generation of femtosecond pulses
 - nonlinear optics, control of quantum systems
 - applications of lasers in medicine
- **MAJOR ACHIEVEMENTS / OUTSTANDING RESULTS:**
 - development of a single-shot, phase-sensitive autocorrelator
 - development of a TW-class XeF (C-A) excimer laser
 - frequency conversion of ultrashort pulses: frequency doubling, sum-frequency generation, and generation of programmable femtosecond pulses in the UV regime
 - quantum control of the dissociation of CsCl
 - development of highly sensitive photoacoustic methods for climate research, environment protection and medical applications

- **PUBLICATION RECORD:**
 articles in refereed journals: 195
 number of independent citations: 2800
 h=32
 number of patents: 32

- **ACADEMIC SUPERVISION:**
 supervised 7 PhD and 11 MSc students

- **SCIENTIFIC EMPLOYMENT HISTORY:**

2020-	Managing Director, ELI-ALPS
2010-2018	Rector, University of Szeged, Hungary
2007-	Head of the Physics Doctoral School, University of Szeged
2013-2019	Leader, HAS Photoacoustic Research Group
2007-2011	Head of the Physics Institute, University of Szeged
2004-2010	Director, Institute of Engineering and Materials Science, University of Szeged
2000-2002	Deputy State Secretary for Research and Development
1996-2000	Head of the Physics Institute, University of Szeged
1994-	Full professor, Department of Optics and Quantum Electronics, József Attila University – later University of Szeged
1984-1994	Senior lecturer, Department of Optics and Quantum Electronics, József Attila University
1981-1984	Assistant lecturer, Department of Experimental Physics, József Attila University
1978-1981	Trainee, Department of Experimental Physics, József Attila University

- **COMMITTEE MEMBERSHIPS:**
 - Co-Chair, Innovation College of the Hungarian Chamber of Commerce and Industry (since 2017)
 - Vice-President, Hungarian Rectors' Conference (2013-2018)
 - President, Hungarian Association for Innovation (since 2007)
 - Vice-President, Hungarian Association for Innovation (2003-2006)
 - Member, ELI-ALPS' Scientific Advisory Committee (since 2010)
 - Member, HAS Presidential Committee for Public Education (2009-2010)
 - Member, Hungarian Accreditation Committee, Chair of the Physics Education Board (1998-2000)
 - Member, Hungarian Accreditation Committee, Chair of the Doctoral and Physics Education Board (2007-2009)
 - Member, Presidium of the Hungarian Accreditation Committee (2007-2009)
 - Secretary-General, Roland Eötvös Physical Society (2003-2006)
 - Chair, HAS Committee for Laser Physics and Spectroscopy (1999-2006), member (since 2007)
 - Member, HAS Doctoral Council (2004-2007)
 - Chair, Doctoral Council of the Faculty of Sciences, József Attila University (1993-2000)

- **VISITING SCIENTIST:**
 - 1997-1998 visiting professor at Jena University (6 months)
 - 1995-1996 visiting professor at Osaka University (2 months)
 - 1990-1995 visiting professor at Rice University, Houston (2 years in total)
 - 1981-1989 visiting researcher at Max-Planck-Institut für biophysikalische Chemie (Max Planck Institute for Biophysical Chemistry), Göttingen (4.5 years in total)
- **RESEARCH GRANTS AS PRINCIPAL INVESTIGATOR:**
 - 5 OTKA proposals, research group supported by the Hungarian Academy of Sciences
- **R&D AND INDUSTRIAL PROJECTS SINCE 2005:**
 - leading 17 projects, participating in further 17 (including 2 EU projects)
 - projects with industrial collaborators: MOL (6 projects), GE Hungary (3 projects), Knorr-Bremse and Furukawa Electric Technologies; Audi Hungaria