



CURRICULUM VITAE

- **NAME:** Gábor Szabó
- **POSITION IN ELI-ALPS:** managing director
- **ACADEMIC QUALIFICATIONS:**
full member of the Hungarian Academy of Sciences (from 2010);
Doctor of Academy in Physical Sciences (1993);
diploma in physics (1978, JATE, Szeged)
- **RESEARCH FIELDS AND INTERESTS:**
 - photoacoustic spectroscopy; ultrafast laser-spectroscopy
 - generation of femtosecond pulses
 - non-linear optics, control of quantum-systems
 - applications of lasers in medicine
- **MAJOR ACHIEVEMENTS / OUTSTANDING RESULTS:**
 - development of one-shot, phase-sensitive autocorrelator
 - development of 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 dissociation of CsCl
 - development of highly sensitive photoacoustic methods for climate research, environment protection and medical applicatons

- **PUBLICATION RECORD:**
 - articles in refereed journals: 190
 - number of independent citations: 2550
 - h=30
 - number of patents: 31

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

- **SCIENTIFIC EMPLOYMENT HISTORY:**
 - 2010-2018 Rector of University of Szeged
 - 2007-től Head of the Physics Doctoral School of the University of Szeged
 - 2013-2019 Leader of the HAS Photoacoustic Research Group
 - 2007-2011 Head of Physics Institute of University of Szeged
 - 2004-2010 Director of the Technical and Materials Science Institute of the University of Szeged
 - 2000-2002 Deputy State Secretary for Research and Development
 - 1996-2000 Head of Physics Institute of University of Szeged
 - 1994-től full professor (Faculty of Optics and Quantumelectronics, JATE - later University of Szeged, Hungary)
 - 1984-1994 senior lecturer (Faculty of Optics and Quantumelectronics, JATE, Szeged, Hungary)
 - 1981-1984 assistant lecturer (Faculty of Experimental Physics, JATE, Szeged, Hungary)
 - 1978-1981 trainee (Faculty of Experimental Physics, JATE, Szeged, Hungary)

- **COMMITTEE MEMBERSHIPS:**
 - Co-Chair of the Innovation College of Hungarian Chamber of Commerce and Industry (from 2017)
 - Vice-President of the Hungarian Rectors' Conference (2013-2018)
 - President of the Hungarian Association for Innovation (from 2007)
 - Vice-President of the Hungarian Association for Innovation (2003-2006)
 - Member of ELI-ALPS' Scientific Advisory Committee (from 2010)
 - Member of az HAS Presidential Committee for Public Education (2009-2010)
 - Member of Hungarian Accreditation Committee, chair of Physics Education Board (1998-2000)
 - Member of Hungarian Accreditation Committee, chair of Doctoral and Physics Education Board (2007-2009)
 - Member of the Presidium of Hungarian Accreditation Committee (2007-2009)
 - Chief Secretary of Roland Eötvös Physical Society (2003-2006)
 - Chair of HAS Committee for Laser Physics and Spectroscopy (1999-2006), member (from 2007)
 - Member of HAS Doctoral Council (2004-2007)
 - Chair of Doctoral Council of Faculty of Sciences, József Attila University, Szeged, Hungary (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 cumulated)
 - 1981-1989 visiting researcher at Max-Planck-Institute für Biophysikalische Chemie, Göttingen (4.5 years cumulated)

- **RESEARCH GRANTS AS PRINCIPAL INVESTIGATOR:**
5 OTKA proposals, research group supported by Hungarian Academy of Sciences

- **RESEARCH AND INDUSTRIAL PROJECTS FROM 2005:**
 - leading 17 projects, participating in further 17 (incl. 2 EU-projects)
 - projects with industrial collaborators: MOL (6 projects), GE Hungary (3 projects), Knorr-Bremse and Furukawa Electric Technologies; Audi Hungaria

- **PARTICIPATION IN THE ELI PROJECT:**
 - managing director of ELI-ALPS (since 2020)
 - member of ELI-ALPS' Scientific Advisory Committee (since 2010)
 - scientific advisor for ELI-PP project (2007-2011)