



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Tamás Tél**
Address Budapest, Hungary
Telephone
Fax + 36 1 372 2509
E-mail
Nationality Hungarian
Date of birth 29 March, 1951
Gender Male

Mobile:

Occupational field

Work experience

Dates Institute for Theoretical Physics, Loránd Eötvös University (ELTE) (1975-)
Occupation or position held Professor emeritus (2019-)
Professor of Physics (1993-2019)
Head of the MTA-ELTE Research Group in Theoretical Physics (2011-2021)
Head of the MTA-ELTE Research Group in Physics Teaching (2016-2021)
Main activities and responsibilities University teaching (BSc, MSc, MA, MPed, PhD), research in physics, supervising student research projects and MSc and PhD theses.
Head of the Physics Education program of the Physics Graduate School at ELTE (2007-2021)
Head of the Physics Graduate School at ELTE (2016-2019)
Name and address of employer
Type of business or sector

Education and training

Dates 1970-1975
Title of qualification awarded Physicist
Name and type of organisation providing education and training Eötvös Loránd University (ELTE), Faculty of Science
Level in national or international classification PhD, ELTE, 1977,
Doctor of Science (DSc), Hungarian Academy of Sciences, 1991

Personal skills and competences

Mother tongue(s) **Hungarian**
 Other language(s) **English, German**

Self-assessment <i>European level (*)</i>	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	B2+	C1	B1	B2	C1
German	B2+	C1	B1	A1	A2

(*) [Common European Framework of Reference for Languages](#)

Educational skills and competences Teaching university courses, laboratory measurements and exercises since 1977
 Supervision:
 9 student research projects,
 25 MSc theses,
 15 PhD theses (3 more ongoing).

Research Research fields:
 physics of systems subjected to parameter drift
 climate dynamics
 environmental fluid dynamics and related laboratory experiments
 numerical investigations of particle advection, spreading of pollutants,
 the dynamics of inertial particles, reactions in flows
 transport and irreversibility from a chaotic point of view
 nonlinear phenomena, chaos and transient chaos, fractals
 statistical physics, stochastic processes, non-equilibrium potentials

Visiting scientist at
 University of Oldenburg, 2011, 2013, 2014, 2015, 2016, 2017.
 Max Planck Institute for the Physics of Complex Systems, Dresden, 2002, 2008, 2012
 University of Oldenburg, 2011
 University of Arizona, Tempe, 2008,
 University of Maryland, College Park, 1992
 Forschungszentrum Jülich, Jülich, 1989-1991
 The Weizmann Institute, Rehovot, 1987
 Universität Essen, 1982-84
 ICTP Trieste, 1980.

Invited speaker at 23 international conferences and schools.

Principal investigator of two projects of the US-Hungarian Joint Fund (1993-200), and of four large scale projects of the Hungarian National Science Foundation, OTKA (2001-2021).

Author of 2 books in English (3 in Hungarian), of 201 research papers in English (and 39 research papers and other scientific writings in Hungarian).

Cumulative impact factor 446, positive citations 5473, H-index 55 (Google Scholar)

Awards:
 2017 Outstanding Referee of the American Physical Society, Ridge, USA
 2016 Széchenyi Award, The Hungarian State, Budapest
 2011 Humboldt Research Award of the von Humboldt Foundation, Bonn
 2009 Simonyi Károly Award of the Hungarian Academy of Sciences
 1999-2002 Széchenyi Scholarship
 1995 Academy Award of the Hungarian Academy of Sciences

Organisational skills and competences	<p>Setting up (1998) and running the von Kármán Laboratory for Environmental Flows (with 3 other colleagues),</p> <p>Organizer and co-organizer of international conferences and schools:</p> <p>Teaching Physics Innovatively, TPI-15, Budapest, 17-19 August, 2015 (with A. Király, M. Vincze) DIPOAP08, Dresden, 1-26 September, 2008 (with E. Bodenschatz, U. Feudel), ACTIFLOW, Dresden, 29 August – 24 September, 2002 (with C. Grebogi, Z. Toroczkai) Phase Separation in Physics, Chemistry and Biology, Budapest, 2-7 July, 2000 (with Z. Rácz) Non-equilibrium Steady States, Budapest, 10-21 July, 1995 (with Z. Rácz) Chaos and Irreversibility, Budapest, 31 August- 6 September. 1997, DYNAMICS DAYS'94, Budapest, 15-18 June, 1994 (with G. Eilenberger)</p> <p>Member of editorial boards or advisory boards:</p> <p>Physical Review E, 2010-2015, Nonlinearity 1999-2005, Fractals, 1992-2010, Chaos 1991-2020.</p> <p>Guest editor:</p> <p>Focus on Transient Chaos, J. Phys. Complexity 2 (2021) (with O. Omelchenko) Focus issue on Active Chaotic Flow, Chaos 11, pp 372-530 (2002) (with Z. Toroczkai) Focus issue on Chaos and Irreversibility, Chaos 8, pp. 309-461 (1998) (with P. Gaspard and G. Nicolis) Focus issue on Chaotic Scattering, Chaos 3, pp. 417-706 (1993) (with E. Ott).</p> <p>Committees:</p> <p>European Geophysical Union (EGU), Lewis Fry Richardson Medal Committee. member: 2015-2017 Dynamics Days Europe, Organization Committee, member: 2000-2017 EPS (European Physical Society), Nonlinear Physics Commission, member: 1998-2008 IUPAP (International Union of Pure and Applied Physics) Commission on Statistical Physics, member: 1996-2002 Hungarian Academy of sciences, Commission on Statistical Physics, secretary: 1991-1994 Loránd Eötvös Physical Society, Statistical Physics Commission, president: 1991-1993,</p>
Computer skills and competences	<p>Standard applications of Windows, Linux, and LATEX.</p> <p>January 2022.</p> <p>Homepage: http://theophys.elte.hu/tel/index.html</p>
Annexes	