



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Tamás Tél**
Address Budapest, Hungary
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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 of Physics (1993-),
Head of the Theoretical Physics Research Group of the Hungarian Academy of Sciences at Loránd Eötvös University [MTA-ELTE Theoretical Physics Research Group, in brief] (2011-),
Head of the MTA-ELTE Physics Education Research Group (2016-)
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-)
Head of the Physics Graduate School at ELTE (2016-)
Name and address of employer ELTE Eötvös Loránd University, Faculty of Science, Institute of Physics,
Pázmány Péter sétány 1/A,
H-1117 Budapest, Hungary
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 Loránd Eötvös 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

European level (*)

English

German

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B2+	C1	B1	B2	C1
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:

6 student research projects,
2 BSc theses,
22 MSc theses,
14 PhD theses (2 more ongoing).

Research

Research fields:

environmental fluid dynamics and related laboratory experiments
numerical investigations of particle advection, spreading of pollutants, the dynamics of inertial particles, reactions in flows
climate dynamics
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
Max Planck Institute for the Physics of Complex Systems, Dresden, 2002, 2008, 2012
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, 1988
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 (2001-2020).

Author of 2 books in English (3 in Hungarian), of 188 research papers in English (and 39 research papers and other scientific writings in Hungarian).

Positive citations 4626, h-index 43 (Google Scholar h-index:49).

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

<p>Organisational skills and competences</p>	<p>Setting up (1998) and running the von Kármán Laboratory for Environmental Flows (with 3 other colleagues), http://karman3.elte.hu/index_eng.php</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- Chaos 1991-.</p> <p>Guest editor:</p> <p>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>Lewis Fry Richardson Medal Committee of the European Geophysical Union (EGU), 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>
<p>Computer skills and competences</p>	<p>Standard applications of Windows, Linux, and LATEX.</p>
<p>Annexes</p>	<p>Homepage: http://theorphys.elte.hu/tel/index.html</p>