

Curriculum Vitae

László E. Szabó

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Studies and scientific degrees

- 1973-1974 Eötvös University of Budapest (Physics)
- 1975 One semester at the State University of St. Petersburg (Differential Geometry, Relativity)
- 1975-1978 Eötvös University of Budapest (Physics)
- 1978 Master's Degree of Physics (The title of MA thesis: *Fiber Bundles in Gauge Theories*)
- 1978-1980 Eötvös University of Budapest (Philosophy)
- 1985 Ph.D. degree of physics, Eötvös University of Budapest (Title of dissertation: *Quantum Geometro-dynamics*)
- 1985 CSc, "Candidate of Physical Sciences" degree from the Hungarian Academy of Sciences (Title of dissertation: *Quantum Geometro-dynamics*)
- 2004 Habilitation degree in philosophy, Eötvös University of Budapest.
- 2005 DSc, Doctor of Science (philosophy), Hungarian Academy of Sciences (Title of dissertation: *Chance, Causality and Determinism in Physics*)

Positions

- 1978-1980 Department of Philosophy of the Faculty of Natural Sciences, Eötvös University of Budapest
- 1980-1984 Department of Theoretical Physics, Eötvös University of Budapest
- 1985 Computing Center, Eötvös University of Budapest

- 1986-2007 Theoretical Physics Research Group of HAS, Eötvös University of Budapest (Research Associate Professor of Physics)
- 1996-2001 Department of History and Philosophy of Science, Eötvös University of Budapest (Széchenyi Professor of Philosophy)
- 1996-2007 Department of History and Philosophy of Science, Eötvös University of Budapest (Hon. Associate Professor of Philosophy)
- 2002-2004 Széchenyi István Fellowship in philosophy (from the Hungarian Ministry of Education)
- 2007-2009 Department of Logic, Institute of Philosophy, Faculty of Humanities, Eötvös University (Associate Professor of Philosophy)

Recent Position

- 2009- Department of Logic, Institute of Philosophy, Faculty of Humanities, Eötvös University (Professor of Philosophy)
- 2010- Head of PhD program in Logic and Philosophy of Science, Institute of Philosophy, Faculty of Humanities, Eötvös University

Visiting fellowships

- 1992-1993 Department of Theoretical Physics, Free University of Brussels (TEMPUS)
- 1993-1994 Center for Philosophy of Science, University of Pittsburgh (Fulbright)
- 2003-2004 Netherlands Institute for Advanced Study

Memberships

- 1990-1992 Organizing Committee, International Quantum Structures Association
- 1992-1996 Nominating Committee, International Quantum Structures Association
- 1999-2003 Executive Committee, International Union of History and Philosophy of Science, Division of Logic, Methodology and Philosophy of Science
- 2005-2009 Bolyai Fellowship Advisory Board (in philosophy), Hungarian Academy of Sciences
- 2007- Member of the European Philosophy of Science Association

2011- The president of the Hungarian National Committee of Division of Logic, Methodology and Philosophy of Science (International Union of History and Philosophy of Science)

Research interests

Theoretical philosophy of science

- Conceptual and philosophical problems of space-time physics
 - The problem of objective becoming
 - Chance and probability in relativity
 - Operational semantics of space-time theories
- Foundations of quantum theory
 - EPR–Bell problem
 - Quantum logic and quantum probability
 - GHZ theorem
 - Quantum mechanics - free will
 - Fine’s interpretation of quantum statistics
 - Operational foundation of quantum mechanics
- Reichenbach’s common cause principle
- Interpretation of probability
- Physicalist account for mathematical truth
- Physicalist account for meaning and truth of physical theory

Publications

Books

- G. Hofer-Szabó, M. Rédei, L.E. Szabó: *The Principle of the Common Cause*, Cambridge University Press, 2013.
- *The Problem of Open Future - chance, causality, and determinism in physics* (in Hungarian), Typotex Kiadó, Budapest 2002; 2004.

Papers

I have 80 papers. For the complete list of publications see: <http://lps.elte.hu/leszabo>

The journals I have reviewed papers for include:

- *Australasian Journal of Philosophy*
- *The British Journal for the Philosophy of Science*
- *Elpis*
- *Erkenntnis*
- *European Journal for Philosophy of Science*
- *Foundations of Physics*
- *International Journal of Theoretical Physics*
- *International Studies in the Philosophy of Science*
- *Journal for General Philosophy of Science*
- *Journal of Mathematical Physics*
- *Magyar Filozófiai Szemle*
- *Philosophia*
- *Physics Letters A*
- *Science & Education*
- *Studies in History and Philosophy of Modern Physics*
- *Synthese*
- *Theoria*