

Curriculum Vitae

Imre Péter Tóth

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Main research interests

Mathematical Statistical Physics, Dynamical Systems

Status

- 2012.04-10 Ludwig Maximilian University Munich; professor
2012- BME Department of Stochastics; associate professor
2012- MTA-BME Stochastics Research Group; senior researcher
2009-2010 University of Helsinki, Department of Mathematics; post-doctoral fellow
2009- BME Department of Stochastics; assistant professor
2007- MTA-BME Stochastics Research Group; research fellow
2004-2006 Alfréd Rényi Mathematical Institute of the Hungarian Academy of Sciences; “young researcher”
2001-2003 Research Group “Stochastics” of the Hungarian Academy of Sciences affiliated to the T.U.B.; research assistant
1998-2001 Technical University of Budapest, Institute of Mathematics; PhD student

Education

- June 2006 PhD defence
thesis: Ergodicity and Correlation Decay in Billiards
Supervisor: Domokos Szász
- 1998-2006 Applied Mathematics PhD program, Technical University of Budapest
Supervisor: Domokos Szász
- 1998 university diploma as Physicist
diploma thesis: Interdiffusion in Ionic Crystals (in Hungarian)
Supervisor: Dezső Beke, Gábor Erdélyi
- 1993-1998 student of Physics, Lajos Kossuth University of Sciences (Debrecen, Hungary)
1993 degree in secondary school, Debrecen, Hungary

Languages

- English (higher level state exam, 1991)
- German (intermediate level state exam, 1998)

Teaching experience

- *Mathematics B1 (A1), M1, B3 and B4* practice course (Calculus, Differential Equations and Differential Geometry and Probability) (in Hungarian), and *Mathematics A3 English* practice course (Differential Equations and Probability) for students of Engineering
- *Probability I* and *Probability II* practice course for students of Mathematics and Physics (in Hungarian)
- *Mathematics Plusz 1* lecture (Analysis and Linear Algebra) for students of Engineering (in Hungarian) *Introduction to Dynamical Systems and Chaos* reading course at the “Budapest Semesters in Mathematics” for 2.-4. year students of Mathematics (in English)
- Higher Mathematics for Electrical Engineering and Informatics students, an MSc course touching various fields of Stochastics (in English and in Hungarian as well)
- *Mathematical Problem Solving Seminar*, actually a lecture touching various fields of Analysis, Probability and Dynamical Systems for Physics MSc students (in Hungarian)
- *Mathematical Statistical Physics* in the “Elite Masters Programme Theoretical Mathematical Physics” at LMU Munich
- *Mathematical Methods of Statistical Physics*, special course for Math and Physics MSc and PhD students
- supervision of Mathematics students during their course called *Autonomous Research Duty* (in Hungarian)
- *Mathematics BSc thesis supervision* (title: Reliability of Computer Simulations) (in Hungarian)

Grants and Prizes

- 2008 Annales Henri Poincaré Prize, for the paper “Exponential Decay of Correlations in Multi-Dimensional Dispersing Billiards” (joint with Péter Bálint, AHP Vol 9, 1309-1369 (2008))
- 2008 An independent grant of the Hungarian National Scientific Research Fund (OTKA grant PD 73609)
- 2007 Bolyai scholarship of the Hungarian Academy of Science
- 2005 CNRS fellowship to a trimester at the Institute Henry Poincaré, 3 months
- 2003 Grünwald Géza prize of the Bolyai Mathematical Society