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

- *engineering BSc math at TU Budapest*: Math A1, B1, M1, Math2, A3, B3, B4 practice classes, Mathematics Plus 1 lecture (analysis, linear algebra, differential equations, differential geometry, probability theory) for students of civil, electrical, mechanical, environmental engineering and architecture

- *Faculty of Science BSc math at TU Budapest*: Probability I and II practice classes for students of Mathematics and Physics

- *engineering MSc math at TU Budapest*: Advanced Mathematics for Electrical Engineers and Informaticians (selected topics from probability theory); Queueing theory for informaticians

- *Faculty of Science MSc math at TU Budapest*: Mathematical Methods of Statistical Physics; Tools of Modern Probability Theory; Stochastic Differential Equations

- *Other*: "Introduction to Dynamical Systems and Chaos" at "Budapest Semesters in Mathematics"; "Mathematical Statistical Physics" at LMU Munich; "Probability 1", "Stochastic Processes" and "Stochastic Analysis" MSc courses at CEU Budapest

- Supervision: Autonomous Research Duty; BSc thesis; MSc thesis

Grants and Prizes

2014 Annales Henri Poincaré Distinguished Paper Award, for the paper "An Expansion Estimate for Dispersing Planar Billiards with Corner Points" (joint with Jacopo de Simoi, AHP Vol 15, 1223–1243 (2014))

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