

Curriculum Vitae

Katalin Nagy

Personal Data

Date of birth: 31 July 1977
Nationality: Hungarian
Address: Budapesti Műszaki és Gazdaságtudományi Egyetem
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Education

1995-2000 Student in Mathematics, Eötvös Loránd University, Budapest
2000 MSc in Mathematics
2000-2004 PhD student in Mathematics, Eötvös Loránd University, Budapest
2002-2006 PhD student in Mathematics, Université Paris 9-Dauphine
2006 PhD in Mathematics
Supervisors: Prof. József Fritz, Prof. Stefano Olla
Thesis: Hydrodynamic Limit and Equilibrium Fluctuation
for Interacting Particle Systems

Positions

2000-2006 Teaching Assistant
Institute of Mathematics, Technical University of Budapest
2007- part time Assistant Professor
Institute of Mathematics, Technical University of Budapest
2007- part time Research Fellow, Stochastics Research Group
Institute of Mathematics, Technical University of Budapest

Scholarship

2002-2005 16 months scholarship of the French Government for PhD studies in Paris

Research interests

hydrodynamic limits and equilibrium fluctuations for interacting particle systems,
study of hyperbolic, non-attractive models

Conferences and Schools

1999 Budapest Paul Erdős and his Mathematics
2001 Budapest Dynamical Systems and Related Fields
2003 IHP, Paris Geometry and statistics of random growth
2003 CIRM, Luminy Statistical Mechanics and Probability Theory (school)
2003 Prague Summer School in Mathematical Statistical Mechanics (school)
2003 Budapest Randomness in Space and Time
2004 IHP, Paris Inhomogeneous Random Systems
2004 Oberwolfach Large Scale Stochastic Dynamics (short talk)
2005 IHP, Paris Inhomogeneous Random Systems
2005 IHP, Paris Dynamics and Fluctuations in Extended Systems
2005 Budapest Large Scale Behaviour of Interacting Particle Systems:
Fluctuations and Hydrodynamics (conf. talk)

2006	IHP, Paris	Inhomogeneous Random Systems
2006	Heraklion	Large Scale Stochastic Dynamics and Interaction with Kinetic Theory (conf. talk)
2006	Lille	Journées MAS de la SMAI Modèles Spatiaux (conf. talk)
2007	Oberwolfach	Large Scale Stochastic Dynamics (conf. talk)
2008	CIRM,Marseille	GREFI-MEFI, From Dynamical Systems to Statistical Mechanics (conf. talk)
2008	TU, Budapest	Hydrodynamics and Fluctuations in Interacting Particle Systems (conf. talk)
2008	Univ. Paris Sud-11	Hydrodynamic limit of non-attractive lattice gas models (mini-course)
2008	IHP, Paris	Interacting particle systems, statistical mechanics and probability theory

Teaching Experience

1997-2000	Undergraduate problem solving courses in Combinatorics and Probability at the Eötvös Loránd University of Budapest
2000-2009	Undergraduate problem solving courses in Calculus, Differential Equations, Probability and Linear Algebra at the Technical University of Budapest
2006-2007	Undergraduate courses in Probability at the Technical University of Budapest

Languages

French, English (fluent), Hungarian (native)