Semester on Hyperbolic Dynamical Systems: Week 5 Program

23–27 June, 2008, Vienna, Erwin Schrödinger Institute

Monday, June 23

9.30–10.30	**J. Marklof**, University of Bristol MINI-SERIES: The Boltzmann-Grad limit of the periodic Lorentz gas I.
10.30–11.00	Coffee, Tea
11.00-11.50	**A. Gorodetski**, University of California, Irvine On the size of stochastic layer of the standard map.
12.00-12.30	**W. Ott**, Courant Institute, New York University Dissipative homoclinic loops and rank one chaos
14.30-15.20	**R. Markarian**, Universidad de la República, Uruguay Non-conservative billiards. Dominated splitting
15.20–15.50	Coffee, Tea
15.50-16.40	**L. Bunimovich**, Georgia Institute of Technology Where to place a hole to achieve a maximal escape rate

Tuesday, June 24

9.30–10.30	**J. Marklof**, University of Bristol MINI-SERIES: The Boltzmann-Grad limit of the periodic Lorentz gas II.
10.30–11.00	Coffee, Tea
11.00-11.50	**M. Tsujii**, Kyushu University, Japan Quasi-compactness of transfer operators for contact Anosov flows
12.00-12.30	**M. Demers**, Fairfield University Billiards with Holes
14.30-15.20	**A. Török**, University of Houston Extreme value distributions for non-uniformly hyperbolic dynamical systems
15.20–15.50	Coffee, Tea
15.50-16.20	**F. Pene**, Université de Bretagne Occidentale Some properties of the planar Lorentz gas
16.25-17.15	**F. Ledrappier**, University of Notre Dame Fluctuations of the ergodic sums for the horocycle flow on abelian covers of hyperbolic surfaces

Wednesday, June 25

9.00–9.50	**J. Alves**, Universidade do Porto Liftable absolutely continuous invariant measures
9.55-10.45	**M. Pollicott**, University of Warwick Large deviations for intermittent maps
10.45–11.15	Coffee, Tea
11.15-11.45	**T. Yarmola**, Courant Institute, New York University An example of a pathological random perturbation of the Cat Map.
11.50-12.40	**S. Gouëzel**, Université de Rennes 1 Necessary and sufficient conditions for limit theorems in Gibbs-Markov maps

Thursday, June 26

9.30–10.30	**D. Li**, Institute of Advanced Study, Princeton MINI-SERIES: Complex blowups of some fluid dynamics equations and Renormalization Group Method I.
10.30–11.00	Coffee, Tea
11.00-12.00	**G. Keller**, Universität Erlangen MINI-SERIES: Globally coupled piecewise expanding maps with bistable behaviour I.
12.05-12.35	**G. Gentile**, Universittà di Roma La Sapienza Periodic solutions for a class of nonlinear partial differential equations in higher dimension
14.30-15.20	**R. Klages**, Queen Mary College, University of London Deterministic random walks in maps and billiards
15.20–15.50	Coffee, Tea
15.50-16.20	**T. Varjú**, Technical University, Budapest TBA
16.25-17.15	**H. van Beijeren**, Utrecht University Green-Kubo formalism for solids

Friday, June 27

9.30–10.30	**D. Li**, Institute of Advanced Study, Princeton MINI-SERIES: Complex blowups of some fluid dynamics equations and Renormalization Group Method II.
10.30–11.00	Coffee, Tea
11.00-12.00	**G. Keller**, Universität Erlangen MINI-SERIES: Globally coupled piecewise expanding maps with bistable behaviour II.
12.05-12.35	**P. Bachurin**, University of Toronto TBA
14.30-15.20	**I. Melbourne**, University of Surrey Large and moderate deviations for slowly mixing nonuniformly hyperbolic systems
15.20–15.50	Coffee, Tea
15.50-16.40	**M. Wojtkowski**, University of Warmia and Mazury Abstract fluctuation theorem