
Workshop on Structural Probability

Week 1

November 3rd to November 7th, 2008

Organized by Prof. Vadim Kaimanovich and Prof. Klaus Schmidt

November 3rd

- 10:00 – 11:00 Registration
- 11:00 – 11:50 M. Gordin: Baker sequences and multiparameter martingale approximation
- 15:00 – 15:50 J.-P. Conze: The CLT for sequences of matrices in $SL(d, \mathbb{Z}^+)$ and a quenched CLT

November 4th

- 11:00 – 11:50 F. Alcalde: The branching number of a graphed pseudogroup
- 15:00 – 15:50 A. Erschler: Poisson boundaries for random walks on amenable groups
- Coffee break
- 16:10 – 17:00 R. Sharp: Distortion and entropy for automorphisms of free groups

November 5th

- 11:00 – 11:50 B. Deroin: Qualitative aspects of differential equations in the complex domain
- 15:00 – 15:50 Y. Guivarc'h: Convergence to stable laws for affine stochastic recursions and spectral properties of some transfer operators
- Coffee break
- 16:10 – 17:00 W. Woess: On the spectrum of lamplighter groups and percolation clusters

November 6th

10:00 – 10:50 P. Biane: TBA

Coffee break

11:10 – 12:00 P. Bougerol: Continuous Crystal, Coxeter group and Brownian Motion

15:00 – 15:50 M. Wojtkowski: Geometry of Kalman filters

Coffee break

16:10 – 17:00 N. O'Connell: Exponential functionals of Brownian motion and class one Whittaker functions

November 7th

10:00 – 10:50 M. Keane: The recurrence-transience dichotomy for once reinforced random walks

Coffee break

11:10 – 12:00 M. Coornaert: Cellular automata and surjectivity, Part I

15:00 – 15:50 T. Ceccherini-Silberstein: Cellular automata and surjectivity, Part II

All lectures take place at the ESI Boltzmann Lecture Hall