

Monday

09:00 - 9:50: Pierre Youssef: Invertibility of the adjacency matrix of a random digraph

10:30-11:20: Nalini Anantharaman: Quantum ergodicity on large graphs

11:30-12:20: Mira Shamis: The Wegner orbital model

12:30 Lunch

5.00–5:50: Reimer Kuehn: Spectra of Random Stochastic Matrices and Relaxation in Complex Systems

6.00-6:50: Matthias Keller: Does diffusion determine the geometry of a graph ?

Tuesday

9:00 - 9:50 : Antti Knowles : Local eigenvalues statistics for random regular graphs

10:30 - 11:20 : Shayan Oveis Gharan : Asymmetric Traveling Salesman Problem and Spectrally Thin Trees

11:30 - 12:20 : Frédéric Faure : Quantum chaos and random matrices

5:00 - 5:50 : Balázs Szegedy : On the limit approach to random regular graphs

6:00 - 6:50 : Pierre Mathieu : Deviation inequalities and CLT for random walks on acylindrically hyperbolic groups

Wednesday

9:00 - 9:50 : Laurent Massoulié : Non-backtracking spectrum of random graphs: community detection and non-regular Ramanujan graphs

10:20 - 10:50 : Marcin Kotowski : Dyson's spike in random Schrödinger operators

10:55 - 11:25 : Laurent Ménard : Spectra of large diluted but bushy random graphs

11:30 - 12:20 : Joel Friedman : Eigenvalues, Expected Traces, and Expected Zeta Functions of Random Graphs :

Thursday

9:00 - 9:50 : Doron Puder : Random irregular graphs are nearly Ramanujan

10:30 - 11:20 : Agnes Backhausz : Spectral measures of factor of i.i.d. processes on the regular tree

11:30 - 12:20 : Elliott Paquette : The Poisson Voronoi tessellation in hyperbolic space

5:00 - 5:50 : Justin Salez : The cutoff phenomenon for random walk on random directed graphs

6:00 - 6:50 : Can Le : Concentration and regularization of random graphs

Friday

9:00 - 9:30 : Anna Ben-Hamou : A comparison of mixing times of the simple and non-backtracking random walks on random graphs with given degrees

9:40 - 10:10 : Ararat Harutyunyan : Connections between colorings in random graphs and digraphs

10:40 - 11:30 : Jean-Marc Bouclet : On some problems and techniques in spectral geometry

11:40 - 12:30 : Camille Male : Free probability and random graphs