

This is an announcement for the Summer School "Spectral Properties of large random objects" which will be

held at the Institut des Hautes Études Scientifiques (IHÉS)

from July 17 to July 28, 2017.

IHÉS is located in Bures-sur-Yvette, south of Paris (40 minutes by train from Paris).

There will be 8 mini-courses

Charles BORDENAVE (Université de Toulouse)

Spectrum of random graphs

Paul BOURGADE (New York University) Universality and quantum unique ergodicity in random matrix theory

Frédéric KLOPP (Université Pierre et Marie Curie)

Large systems of interacting quantum particles in a random field

Eyal LUBETZKY (New York University) Spectral vs. geometric approaches to random walks on random graphs

Yuval PERES (Microsoft Research) The cutoff phenomenon and rate of escape for Markov chains

Christophe SABOT (Université de Lyon I) Self-interacting processes and random Schrödinger operators

Balint VIRAG (University of Toronto) TBA

Simone WARZEL (Technische Universität München)

Topics in random operator theory

The IHÉS hopes to be able to provide partial financial support to cover housing for most accepted graduate students and postdocs. Some limited amount of additional funds will be available for special circumstances.

Applications should be made using the webpage mentioned below.

The deadline is March 15, 2017.

All information about the summer school can be found at <https://indico.math.cnrs.fr/event/1751/>. The school is open to everybody but intended primarily for young participants, including PhD students and postdoctoral fellows.

Questions can be directed to jasserand@ihes.fr

Do not hesitate to broadcast this announcement!

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