

Random Perturbations and Statistical Properties of Dynamical Systems

Leipzig, July 9 – 11, 2013

Max Planck Institute for Mathematics in the Sciences

Inselstraße 22, 04103 Leipzig

www.mis.mpg.de/calendar/conferences/2013/randyn13

Although the interest in random perturbation of dynamical systems goes back to Kolmogorov, its systematic study is relatively recent. The methods used to tackle such problems demand and stimulate a rich exchange between different mathematical areas such as Probability, Analysis, Geometry, etc.

The aim of the conference is to bring together experts working on different aspects related to random perturbations and statistical properties of dynamical systems, as well as young researchers and PhD students interested in the area. The speakers are supposed to motivate their talks and embed them into a broad context, and there will be a few survey lectures on recent related advances and techniques.

The topics of the conference include:

- random perturbations and physical measures of dynamical systems;
- large deviations and concentration inequalities;
- stochastic aspects of bifurcations;
- statistical and stochastic stability.

Scientific Organizers:

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Speakers:

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