

Averaging and Homogenization in Deterministic and Stochastic Systems. CIRM 11–15 May

Titles of talks

- BAILLEUL Ismaël (Université Rennes 1). Rough flows and homogenization of fast-slow systems
- BALADI Viviane (ENS Paris). Linear response: a survey of rigorous results
- BASILE Giada (Sapienza Università di Roma). Stationary temperature profile in one dimensional chains of oscillators
- BERNARDIN Cedric (University of Nice). $3/4$ fractional superdiffusion of energy in a harmonic chain with bulk noise
- DE SIMOI Jacopo (University of Toronto). Fast-slow partially hyperbolic systems: beyond averaging
- DEMERS Mark (Fairfield University). Exponential mixing for Sinai billiard flows
- FRIZ Peter (TU and WIAS Berlin). Some examples of homogenization related to rough paths
- GUBINELLI Massimiliano (Université Paris Dauphine). Pathwise regularisation by noise in PDEs
- KELLY David (Courant Institute). Fast slow systems with chaotic noise
- KIFER Yuri (Hebrew University). An almost sure view of averaging
- KOMOROWSKI Tomasz (M. Curie Skłodowska University). Energy transport in an infinite chain of harmonic oscillators with a degenerate noise
- KORALOV Leonid (University of Maryland). Averaging, homogenization, and large deviation results for the study of randomly perturbed dynamical systems
- KOREPANOV Alexey (University of Warwick). Perturbed fast-slow systems
- NANDORI Peter (New York University). Local thermal equilibrium for certain stochastic models of heat transport
- PARDOUX Étienne (Aix-Marseille Univ). Semilinear heat equation with highly oscillating random potential
- REY-BELLET Luc (University of Massachusetts). Some applications of irreversibility
- RYZHIK Lenya (Stanford University). Radiative transport and homogenization for the random Schroedinger equation
- SOUGANIDIS Panagiotis (University of Chicago). Scalar conservation laws with rough fluxes
- TOTH Imre Péter (Budapest). Averaging in a heat conduction model with collisions of disks and pistons