

Nonlinear PDE Miniworkshop

05 APRIL 2017 / 10:15 AM / ROOM SRZ 205

AGENDA

10:15 Maria Bruna (Oxford)

Macroscopic PDE models of Brownian particles with short-range interactions

10:45 Angela Stevens (WU)

Diffusion in strongly structured domains

11:15 Coffee break

11:30 Helene Rannetbauer (RICAM)

Nonlinear PDE models for crowded transport in the life and social sciences

12:00 Lunch Break (La Casa im Westend)

13:30 Dylan Dronnier (Ecole Polytechnique)

Simple Exclusion Process (SEP) with long range jump: convergence, hydrodynamics limit and particles coloring

14:00 Marie-Therese Wolfram (Warwick)

Parameter identification in PDE models for pedestrian dynamics

14:30 Coffee break

14:40 Markus Schmidtchen (Imperial)

Pattern formation in non-local systems with cross-diffusion