

## Workshop on Non-equilibrium dynamics of spatially extended interacting particle systems 11-13 January 2010

Organizers: C Connaughton, S Grosskinsky, O Zaboronski, R Rajesh (IMS, Chennai, India)  
Mathematics Institute • Zeeman Building • University of Warwick

### Monday, January 11

All talks in B3.02  
Coffee, tea and meals in the  
Maths Common Room

08:55-09:00	<i>Welcome from the organisers</i>
09:00-09:40	<b>Eli Ben Naim</b> , <i>Strong Mobility in Disordered Systems</i>
09:45-10:25	<b>Nikolai Brilliantov</b> , <i>Aggregation and fragmentation kinetics: Application to planetary rings</i>
10:30-11:00	Coffee Break
11:00-11:40	<b>Alain Comtet</b> , <i>Capture of Particles and Distribution of the Maximum of a One-Dimensional Random Walk</i>
11:45-12:25	<b>Malte Henkel</b> , <i>Local scale-invariance and ageing phenomena: where do we stand</i>
12:30-14:00	Lunch
14:00-14:40	<b>R. Rajesh</b> , <i>Coarsening in Cooling Granular Gases</i>
14:45-15:25	<b>Claude Godreche</b> , <i>Dynamics of condensation in zero-range processes</i>
15:30-16:00	Tea Break
16:00-16:40	<b>Ronald Dickman</b> , <i>Contact Process with Mobile Disorder</i>
16:45-17:25	<b>David Mukamel</b> , <i>Effective Long-Range Interactions in Driven Systems with Local Dynamics</i>
18:30	Dinner

### Tuesday, January 12

09:00-09:40	<b>Satya Majumdar</b> , <i>Convex Hull of N Planar Brownian Motions: Exact Results and an Application to Ecology</i>
09:45-10:25	<b>Sergey Petrovskii</b> , <i>Statistical Mechanics of Population Dynamics and Animal Movement</i>
10:30-11:00	Coffee Break
11:00-11:40	<b>Mauro Mobilia</b> , <i>Modelling Biodiversity and Pattern Formation in Communities Exhibiting Cycle Dominance</i>
11:45-12:25	<b>Uwe C. Tauber</b> , <i>Stochastic Predator-Prey Models: Population Oscillations, Spatial Correlations, and the Effect of Randomized Rates</i>
12:30-14:00	Lunch
14:00-14:40	<b>Martin Howard</b> , <i>Modelling Noisy Concentration Gradients in Developmental Biology</i>
14:45-15:25	<b>Martin Evans</b> , <i>Growth of Population in Catastrophic Environments</i>
15:30-16:00	Tea Break
16:00-18:00	<b>Short presentations and Discussion</b>
18:30	Dinner

### Wednesday, January 13

09:00-09:40	<b>Deepak Dhar</b> , <i>Growing sandpiles: A model of Proportionate Growth</i>
09:45-10:25	<b>Beate Schmittman</b> , <i>From asymmetric exclusion processes to protein synthesis</i>
10:30-11:00	Coffee Break
11:00-11:40	<b>Federico Vazquez</b> , <i>Microscopic Dynamics to Macroscopic Behaviour in Systems With Two Symmetric Absorbing States</i>
11:45-12:25	<b>Thierry Bodineau</b> , <i>On long range correlations in non-equilibrium systems</i>
12:30-14:00	Lunch
14:00-15:00	<b>Henrik Jensen</b> , <i>Cluster geometry and survival probability in systems driven by reaction-diffusion dynamics</i>
15:00	Tea Break and end