

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

Organizers: C Connaughton, S Grosskinsky, O Zaboronski, R Rajesh (IMS, Chennai, India)

All talks will be in Lecture Room B3.02 in the

Mathematics Institute • Zeeman Building • University of Warwick

Spatially extended interacting particle systems (IPS) play an increasingly important role in modelling a variety of natural and social phenomena characterised by the presence of a large number of correlated degrees of freedom. One of the fundamental challenges is to develop general methods of theoretical study of IPS and understand their applicability conditions. Topics covered by the workshop include classical kinetics of IPS, strong fluctuation effects and multiscaling, emergence of complex behaviour in IPS, non-equilibrium phase transitions and pattern formation, application of IPS to the study of biological complex systems.

Registration for the workshop is free and can be done on the following page:

http://www2.warwick.ac.uk/fac/sci/math/research/events/2009_2010/symposium/neqwk

Those wishing to contribute a short talk are invited to contact one of the organisers via email:

C.P.Connaughton@warwick.ac.uk, S.W.Grosskinsky@warwick.ac.uk,

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Confirmed speakers

Eli Ben-Naim (Los-Alamos, USA)
Nikolai Brilliantov (Leicester, UK)
Deepak Dhar (Tata Institute, Mumbai, India)
Martin Evans (Edinburgh, UK)
Malte Henkel (Nancy, France)
Henrik Jensen (Imperial College, UK)
Mauro Mobilia (Leeds, UK)
Sergei Petrovskii (Leicester, UK)
Beate Schmittmann (Virginia Tech, USA)
Federico Vázquez (Palma de Mallorca, Spain)

Thierry Bodineau (ENS Paris, France)
Alain Comtet (Paris-Sud, France)
Ronald Dickman (Minas Gerais, Brasil)
Claude Godreche (CEA Saclay, France)
Martin Howard (Norwich, UK)
Satya Majumdar (Orsay, France)
David Mukamel (Weizmann, Israel)
Ravindran Rajesh (IMS, Chennai, India)
Uwe Täuber (Virginia Tech, USA)