

# Applied mathematics seminars

## 2012/2013

Date	Time/Place	Speaker	Title
Wed 10 Oct 2012	14:00 in W1.90	<i>Mark Hoefer (North Carolina State University)</i>	Excitation, propagation and control of nanoscale magnetic solitons
Wed 24 Oct 2012	14:00 in W1.90	<i>Tatiana Talipova (Nizhny Novgorod)</i>	Internal solitary wave transformation over the bottom step: loss of energy
Wed 7 Nov 2012	13:15 in W0.05a	<i>Richard Sear (Surrey)</i>	Computer simulation and theory for the nucleation of crystal phases
Wed 14 Nov 2012	14:00 in W1.90	<i>Robin Johnson (Newcastle)</i>	Weakly nonlinear water waves in the presence of constant vorticity
Wed 28 Nov 2012	14:00 in W1.90	<i>Stephen Gourley (Surrey)</i>	Insecticide resistance and its implications for mosquito and malaria control
Wed 5 Dec 2012	14:00 in W0.05a	<i>Andrew Parry (Imperial)</i>	Capillary Emptying; why the tragedy of spilling you drink is actually a phase transition
Wed 16 Jan 2013	14:00 in W1.90	<i>Daniele Avitabile (Nottingham)</i>	Coarse-grained bifurcation analysis of agent-based models
Wed 30 Jan 2013	14:00 in W1.90	<i>Mike Jeffrey (Bristol)</i>	Cracks in the theory of deterministic dynamics
Tue 5 Feb 2013	14:00 in W1.90	<i>Lorenzo Botto (Queen Mary)</i>	Anisotropic colloidal interactions at fluid-fluid interfaces: the role of capillarity
Wed 13 Feb 2013	14:00 in W0.03	<i>Alison Walker (Bath)</i>	Kinetic Monte Carlo simulation of organic devices
Wed 20 Feb 2013	14:30 in W0.03	<i>Steve Fitzgerald (Culham)</i>	Dislocation dynamics
Wed 24 April 2013	14:00 in W1.90	<i>Alan Newell (University of Arizona)</i>	Open challenges in wave turbulence

Wed 1 May 2013	14:00 in W190	<i>Greg Pavliotis (Imperial)</i>	General dynamical density functional theory for classical fluids
Wed 8 May 2013	14:00 in W190	<i>Mark Blythe (East Anglia)</i>	The stability of two-layer flows
Wed 15 May 2013	14:00 in W190	<i>Spyros Camvissis (University of Crete and Cambridge)</i>	Semiclassical limits and dispersive shocks for soliton equations
Wed 22 May 2013	14:00 in W190	<i>Andrew Rees (Bath)</i>	Flow and convection of a Bingham fluid in porous media