Loughborough Applied Mathematics Seminars 2014-2015

At 1:30pm in W003, unless stated otherwise below

Semester 1

1st Oct	**Kuan Xu**, Oxford	The mathematics of Chebfun - from function analysis to solution of differential equations
15th Oct	**Cédric Beaume**, Imperial	Spatial localization in three-dimensional doubly diffusive convection
29th Oct **1pm**	**Gennady El**, Loughborough	Soliton gas and soliton turbulence
5th Nov	**Vladimir Babitsky**, Lboro	Modelling of structures with developing discontinuity
12th Nov **1pm**	**Denis Goldobin**, Leicester	Interfacial waves in two-layer liquid system subject to horizontal vibrations
28th Nov	**Alastair Rucklidge**, Leed	Three-wave interactions, quasipatterns and spatiotemporal chaos in systems with two length scales
3rd Dec	**Paul Milewski**, Bath	Two-layer shallow-water flows: stability and mixing in breaking waves
5th Dec	**Thomas Bartsch**, Loughborough	Geometric theory of chemical reaction dynamics

Semester 2

11th Feb	**Valerie Pinfield**, Lboro	Acoustic wave propagation in random dispersions of spherical scatterers: thermal and shear wave contributions to multiple scattering
20th Mar, **1pm**	**Wooyoung Choi**, NJIT	Rayleigh expansion for long waves and its application to large amplitude internal waves
23rd Mar, **1pm**	**Mark Hoefer**, Colorado	Dispersive and diffusive-dispersive shock waves for nonconvex conservation laws
29th April	**Mark Biggs**, Lboro	Peptide-mediated self-assembly: From fundamentals to design to applications
13th May, **1pm**	**Andrea Soltoggio**, Lboro	Artificial Intelligence, from theory to applications
20th May	**Sara Jabbari**, Birmingham	Mathematical modelling of gene regulation networks in Gram-positive bacteria
27th May	**Tobias Galla**, Manchester	Fixation and extinction processes in stochastic individual-based models: From evolutionary games to cancer initiation
3rd June	**Martin Buzza**, Hull	Two Dimensional Colloidal Alloys