

# Monday 9 July 2007

07:30 – 08:30 Breakfast for residential delegates - Linford Restaurant

09:00 – 10:00 Registration and tea/coffee refreshments in EHB Atrium

10:00 – 11:30 Plenary session (Room J.1.10)

**Welcome: Professor Shirley Pearce, Vice Chancellor, Loughborough University, followed by  
'Classical and quantum effects in strong field multiple ionization', Bruno Eckhardt**

11:30 – 12:30 Plenary session (Room J.1.10)

**'Invariant manifolds and partial differential equations on unbounded domains', Gene Wayne**

12:30 – 14:00 Lunch – Linford Restaurant

14:00 – 16:00 Parallel sessions

Session 1 (Room J.1.10)	Session 2 (Room J.0.02)	Session 3 (Room J.0.01)	Session 4 (Room K.1.05)	Session 5 (Room K.1.08)
<b>Dynamical systems methods for fluid dynamics</b>	<b>Nano-electromechanical systems</b>	<b>The normal field instability in ferrofluids</b>	<b>Delay dynamics</b>	<b>Nonlinear analysis of time series</b>
<p><b>14:00</b> <i>Weakly nonlinear models for flows past disturbances</i> Jean-Marc Vanden-Broeck</p> <p><b>14:30</b> <i>Asymmetrical wave patterns of two-dimensional Boussinesq systems</i> Gérard Iooss</p> <p><b>15:00</b> <i>Spatial dynamics methods for solitary gravity-capillary water waves with vorticity</i> Erik Wahlén</p> <p><b>15:30</b> <i>Embedded solitons</i> Alan Champneys</p>	<p><b>14:00</b> <i>Mass detection with nonlinear nanomechanical resonators</i> Eyal Buks</p> <p><b>15:00</b> <i>Bending vibrations of suspended nanotubes induced by electrical currents</i> Robert Shekhter</p>	<p><b>14:00</b> <i>The normal field instability - recollections and ramifications</i> Ronald Rosensweig</p> <p><b>14:30</b> <i>Measuring the anomalous dispersion branch of surface waves on ferrofluids</i> Jan-Peter Embs</p> <p><b>15:00</b> <i>Revealing the linear aspects of the Rosensweig instability by means of growing and decaying ridges</i> Adrian Lange</p> <p><b>15:30</b> <i>Imperfections-induced pattern multiplicities in the Rosensweig instability</i> Andreas Boudouvis</p>	<p><b>14:00</b> <i>Networks of dynamical systems with coupling delays</i> Fatihcan Atay</p> <p><b>14:30</b> <i>Strongly nonlinear oscillators subject to delay</i> Thomas Erneux</p> <p><b>15:00</b> <i>Time-delayed feedback control: bifurcation analysis and experimental results</i> Wolfram Just</p> <p><b>15:30</b> <i>Delay dynamics of nuclear transcription (auto)regulation</i> Eva Pokojnska</p>	<p><b>14:00</b> <i>Detection of time-dependent event-related directional couplings</i> Ralph Andrzejak</p> <p><b>14:30</b> <i>Phase dynamics models from oscillatory time series and their application to physiological data</i> Laura Cimponeriu</p> <p><b>15:00</b> <i>Detecting nonlinear structure and Granger causality in time series data</i> Cees Diks</p> <p><b>15:30</b> <i>Prediction of turning points in oscillatory time series</i> Dimitris Kugiumtzis</p>

16:00 – 16:30 Tea/coffee refreshments in EHB Atrium

16:30 – 18:30 Parallel sessions

Session 1 (Room J.1.10) Dynamical systems methods for fluid dynamics	Session 2 (Room J.0.02) Nano-electromechanical systems	Session 3 (Room J.0.01) The normal field instability in ferrofluids	Session 4 (Room K.1.05) Contributed talks	Session 5 (Room K.1.08) Nonlinear analysis of time series
<p><b>16:30</b> <i>Orbits homoclinic to periodic solutions and their applications in hydrodynamics</i> Tom Bridges</p> <p><b>17:00</b> <i>The validity of the NLS equation for the 2D water-wave problem</i> Guido Schneider</p> <p><b>17:30</b> <i>Solitary waves and their linear stability in weakly coupled KdV equations</i> Douglas Wright</p> <p><b>18:00</b> <i>Stability and interaction of vortices in two-dimensional incompressible flows</i> Thierry Gallay</p>	<p><b>16:30</b> <i>Nonlinear dynamics and cooling in optomechanical systems</i> Florian Marquardt</p> <p><b>17:10</b> <i>Distortion blockade in classical nano-electromechanical resonator</i> Fabio Pistolesi</p> <p><b>17:50</b> <i>Quantum dynamics of a resonator coupled to a superconducting single electron transistor</i> Denzil Rodrigues</p>	<p><b>16:30</b> <i>Numerical study of soliton-like surface configurations on a magnetic fluid layer in the Rosensweig instability</i> Lutz Tobiska</p> <p><b>17:00</b> <i>Quantification of the surface topography in complex magneto-elastic materials</i> Christian Gollwitzer</p> <p><b>17:30</b> <i>Nonlinear description of the Rosensweig instability in ferrogels</i> Stefan Bohlius</p> <p><b>18:00</b> <i>Dynamic crystalline corrugations on the surface of magnetised liquid oxygen</i> Richard Hill</p>	<p><b>16:30</b> <i>Co-evolution in finite populations: Meanfield dynamics and first-order finite size corrections</i> Jens Claussen</p> <p><b>16:50</b> <i>Suppression of migraine waves by long-range coupling</i> Markus Dahlem</p> <p><b>17:10</b> <i>Anomalous diffusion of migrating biological cells</i> Rainer Klages</p> <p><b>17:30</b> <i>Sustained oscillations in simple epidemic models</i> Ganna Rozhnova</p> <p><b>17:50</b> <i>On the modeling of bidirectional interaction between neurons and astrocytes</i> Alexander Silchenko</p> <p><b>18:10</b> <i>Numerical normal-mode analysis of a dynamical system for brain organisation</i> Junmei Zhu</p>	<p><b>16:30</b> <i>Random dynamical systems for biological time series analysis</i> Max Little</p> <p><b>17:00</b> <i>Multivariate analysis of oscillatory signals</i> Björn Schelter</p> <p><b>17:30</b> <i>Connecting nonlinear time series and complex networks</i> Michael Small</p> <p><b>18:00</b> <i>Investigating nonlinear dynamics in high and ultra-high frequency commodity prices: The case of oil</i> Costas Vorlow</p>

18:30 – 19:30 Taylor and Francis poster reception – Barrow Assembly Hall (J.1.04)

19:30 Dinner for residential delegates - EHB Atrium and Lounge

## Tuesday 10 July 2007

07:30 – 08:30 Breakfast for residential delegates - Linford Restaurant

09:00 – 10:00 Plenary session (Room J.1.10)

**'Experiments with mechanical structures near quantum limits', Keith Schwab**

10:00 – 11:00 Plenary session (Room J.1.10)

**'Evolution of biological robustness and plasticity: dynamical systems approach', Kunihiro Kaneko**

11:00 – 11:30 Tea/coffee refreshments in EHB Atrium

11:30 – 12:30 Plenary session (Room J.1.10)

**'Geometric mechanics, singular solutions and self-assembly', Darryl Holm**

12:30 – 14:00 Lunch – Linford Restaurant

14:00 – 16:00 Parallel sessions

Session 1 (Room J.1.10)	Session 2 (Room J.0.02)	Session 3 (Room J.0.01)	Session 4 (Room K.1.05)	Session 5 (Room K.1.08)
<b>Hamiltonian systems and n-body problems</b>	<b>Complex systems in biology</b>	<b>Granular media: theory and applications</b>	<b>Photonic crystals</b>	<b>Contributed talks</b>
<p><b>14:00</b> <i>Eigenfunctions of nonlinear and strongly indefinite spectral problems</i> Boris Buffoni</p> <p><b>14:40</b> <i>Some normal form theorems for a Hamiltonian partial differential equation defined on the whole line</i> Gene Wayne</p> <p><b>15:20</b> <i>Periodic solutions of Birkhoff-Lewis type for the nonlinear wave equation</i> Luca Biasco</p>	<p><b>14:00</b> <i>How Pharaoh's ant colonies solve a dynamic problem: to send foragers to where the food is</i> Francis Ratnieks</p> <p><b>14:40</b> <i>Intracellular dynamics, behaviour and bioconvection of suspensions of stressed, swimming micro-organisms</i> Martin Bees</p> <p><b>15:20</b> <i>Local patterning and signal propagation in the establishment of planar cell polarity</i> Markus Owen</p>	<p><b>14:00</b> <i>Particle size segregation and pattern formation in granular flows</i> Nico Gray</p> <p><b>14:40</b> <i>The influence of a fluid on the magneto-vibratory separation of binary granular mixtures</i> Peter King</p> <p><b>15:20</b> <i>Segregation in granular flows</i> Jim McElwaine</p>	<p><b>14:00</b> <i>Time-domain simulations of the nonlinear Maxwell equations using Krylov-subspace methods with applications to photonic crystals</i> Kurt Busch</p> <p><b>14:40</b> <i>Nonlinear photonic band gap materials: soliton collisions and soliton-defect interaction</i> Jens Niegemann</p> <p><b>15:20</b> <i>Gap solitons in two-dimensional low and finite contrast periodic media</i> Thomas Dohnal</p>	<p><b>14:00</b> <i>Interaction of domain walls in anisotropic XY model</i> Igor Barashenkov</p> <p><b>14:20</b> <i>Stability of (singular) relative equilibria of natural mechanical systems: the case of axisymmetric Riemann ellipsoids</i> Esmeralda Dias</p> <p><b>14:40</b> <i>On stability of the origin in nonhomogeneous quadratic systems in two dimensions</i> Matej Mencinger</p> <p><b>15:00</b> <i>A numerical study of planar orbits of second species</i> Ana Nunes</p> <p><b>15:20</b> <i>Alternative walk in the parameter space</i> Kie Saputra</p> <p><b>15:40</b> <i>Cap spectra</i> Niels Sondergaard</p>

16:00 – 16:30 Tea/coffee refreshments in EHB Atrium

16:30 – 18:30 Parallel sessions

<b>Session 1 (Room J.1.10)</b> <b>Hamiltonian systems and n-body problems</b>	<b>Session 2 (Room J.0.02)</b> <b>Complex systems in biology</b>	<b>Session 3 (Room J.0.01)</b> <b>Granular media: theory and applications</b>	<b>Session 4 (Room K.1.05)</b> <b>Photonic crystals</b>	<b>Session 5 (Room K.1.08)</b> <b>Contributed talks</b>
<p><b>16:30</b> <i>Periodic solutions of forced Kirchoff equations</i> Pietro Baldi</p> <p><b>17:10</b> <i>Periodic solutions for the NLS equation in high dimension</i> Michela Processi</p> <p><b>17:50</b> <i>Nonlinear oscillations of Hamiltonian partial differential equations</i> Massimiliano Berti</p>	<p><b>16:30</b> <i>Physical aspects of evolutionary transitions to multicellularity</i> Ray Goldstein</p> <p><b>17:10</b> <i>Cellular automaton modelling of biological pattern formation</i> Andreas Deutsch</p> <p><b>17:50</b> <i>Crossing thresholds - the ruling principle of intracellular Calcium dynamics</i> Rüdiger Thul</p>	<p><b>16:30</b> <i>The attraction of Brazil nuts</i> Michael Swift</p> <p><b>17:10</b> <i>Washboard road: The dynamics of granular ripples formed by rolling wheels</i> Nicolas Taberlet</p> <p><b>17:50</b> <i>Experimental investigation and kinetic theory based model of a rapid granular shear flow</i> Ricky Wildman</p>	<p><b>16:30</b> <i>Moving gap solitons in periodic potentials</i> Dmitry Pelinovsky</p> <p><b>17:10</b> <i>Breather solutions in periodic media</i> Carsten Blank</p> <p><b>17:50</b> <i>Modulating pulses in periodic media</i> Vincent Lescaudet</p>	<p><b>16:30</b> <i>Control of stick slip dynamics by small periodic electromagnetic forcing</i> Teimuraz Matcharashvili</p> <p><b>16:50</b> <i>Envelope dynamics of experimental and simulated nematic electroconvection patterns</i> Gerhard Dangelmayr</p> <p><b>17:10</b> <i>Unusual electroconvection patterns and their mechanism</i> Jana Heuer</p> <p><b>17:30</b> <i>Dynamics and bifurcation of waves in nematic electroconvection - a Ginzburg Landau approach</i> Iuliana Oprea</p> <p><b>17:50</b> <i>Dynamics of charge and electroconvective patterns in modulated electric field</i> Boris Smorodin</p>

19:30 Dinner for residential delegates - EHB Atrium and Lounge

## Wednesday 11 July 2007

07:30 – 08:30 Breakfast for residential delegates - Linford Restaurant

08:30 – 09:30 Plenary session (Room J.1.10)

**'Phase transitions in vibrated granular matter', Ko Van der Weele**

09:30 – 10:00 Tea/coffee refreshments

10:00 – 12:00 Parallel sessions

Session 1 (Room J.1.10)	Session 2 (Room J.0.02)	Session 3 (Room J.0.01)	Session 4 (Room K.1.05)	Session 5 (Room K.1.08)
<b>Stability of solitary waves</b>	<b>Biodynamics</b>	<b>Contributed talks</b>	<b>Integrable systems</b>	<b>Contributed talks</b>
<p><b>10:00</b> <i>Spectrum of the Benilov problem for a rotating fluid</i> Dmitry Pelinovsky</p> <p><b>10:30</b> <i>Numerical methods for the stability of solitary waves</i> Tom Bridges</p> <p><b>11:00</b> <i>Stability of waves in fast/slow systems</i> Chris Jones</p> <p><b>11:30</b> <i>Stabilisation by defects in Josephson junctions</i> Gianne Derks</p>	<p><b>10:00</b> <i>Suprathreshold stochastic resonance and optimal neural coding</i> Nigel Stocks</p> <p><b>10:30</b> <i>Control of synchronization by nonlinear delayed feedback</i> Oleksandr Popovych</p> <p><b>11:00</b> <i>Analysis of a model for river-borne spread of Japanese knotweed</i> John Ward</p> <p><b>11:30</b> <i>Variety of dynamics regimes in synthetic genetic oscillators</i> Alexey Zaikin</p>	<p><b>10:00</b> <i>Quotient coupled cell networks</i> Manuela Aguiar</p> <p><b>10:20</b> <i>Coupled cell systems and the dynamics of industry location</i> Sofia Castro</p> <p><b>10:40</b> <i>Robustness, vulnerability and critical nodes</i> Regino Criado</p> <p><b>11:00</b> <i>High-order synchronization epochs, and low-frequency-noise induced transitions</i> David Garcia-Alvarez</p> <p><b>11:20</b> <i>Dynamics of synthetic genetic networks with responsive cell-to-cell communication</i> Ekkehard Ullner</p> <p><b>11:40</b> <i>Spatio-temporal code generation with globally coupled oscillators</i> John Wordsworth</p>	<p><b>10:00</b> <i>The Schottky-Klein prime function in dynamical systems</i> Darren Crowdy</p> <p><b>10:40</b> <i>Line-soliton solutions of the Kadomtsev-Petviashvili equation</i> Gino Biondini</p> <p><b>11:20</b> <i>Generalised Fourier transforms and boundary-value problems</i> Beatrice Pelloni</p>	<p><b>10:00</b> <i>Global stability and Hopf bifurcation for a general class of delay differential equations</i> Marek Bodnar</p> <p><b>10:20</b> <i>Suppressing noise-induced intensity pulsations in semiconductor lasers by means of time-delayed feedback</i> Valentin Flunkert</p> <p><b>10:40</b> <i>Stabilization of unsteady steady states by extended time-delayed feedback</i> Philipp Hövel</p> <p><b>11:00</b> <i>Challenges of modelling hybrid testing using partial delay differential equations</i> Yuliya Kyrychko</p> <p><b>11:20</b> <i>Two-state model of excitable system with time delayed feedback: renewal theory approach</i> Andrey Pototsky</p> <p><b>11:40</b> <i>Beyond the odd number limitation of time-delayed feedback control</i> Ekkehard Schöll</p>

12:00 – 13:00 Lunch - Linford Restaurant

13:00 – 18:00 Excursion to Chatsworth

**Coaches leave EHB for Chatsworth at 13:00**

**Return coaches leave Chatsworth at 17:00**

18:00 – 18:30 Tea/coffee refreshments - EHB Atrium

18:30 – 19:30 Public Understanding of Science event (Room J.1.10)

**'Spontaneous rhythms in nature and technology', Kurt Wiesenfeld**

19:30 Dinner for Residential Delegates - EHB Atrium and Lounge

## Thursday 12 July 2007

07:30 – 08:30 Breakfast for residential delegates - Linford Restaurant

09:00 – 10:00 Plenary session (Room J.1.10)

**'Pattern transformation by deformation of an elastic medium', Tom Mullin**

10:00 – 11:00 Plenary session (Room J.1.10)

**'Semiconductor laser dynamics: from fundamental delay problems to integrated device applications', Daan Lenstra**

11:00 – 11:30 Tea/coffee refreshments

11:30 – 12:30 Plenary session (Room J.1.10)

**'Josephson arrays: progress and prospects', Kurt Wiesenfeld**

12:30 – 14:00 Lunch – Linford Restaurant

14:00 – 16:00 Parallel sessions

Session 1 (Room J.1.10)	Session 2 (Room J.0.02)	Session 3 (Room J.0.01)	Session 4 (Room K.1.05)	Session 5 (Room K.1.08)
<b>Wave chaos</b>	<b>Pattern formation</b>	<b>Nonlinear laser dynamics</b>	<b>Coupled cell networks</b>	<b>Satellite meeting (Stochastic dynamical systems)</b>
<p><b>14:00</b> <i>Wave dynamical properties of non-generic systems: mushroom-, barrier-, open circular and dielectric billiards</i> Achim Richter</p> <p><b>14:40</b> <i>Quantum-resonance ratchets: theory and experiment</i> Itzhack Dana</p> <p><b>15:20</b> <i>Transport through open microwave billiards</i> Hans-Jürgen Stöckmann</p>	<p><b>14:00</b> <i>To snake or not to snake</i> David Lloyd</p> <p><b>14:30</b> <i>Localised pattern formation</i> Jon Dawes</p> <p><b>15:00</b> <i>Beyond Faraday's crispations: nonlinear patterns of shaken granular material</i> Christof Krülle</p> <p><b>15:30</b> <i>Vegetation patterns and desert formation</i> Geertje Hek</p>	<p><b>14:00</b> <i>Feedback enhanced modulation bandwidth</i> Uwe Bandelow</p> <p><b>14:30</b> <i>The dynamics of quantum dot lasers</i> Thomas Erneux</p> <p><b>15:00</b> <i>Multi-frequency mode-locked lasers</i> Edward Farnum</p> <p><b>15:30</b> <i>A time-domain reconstruction algorithm operating at ultra-short timescales as a tool to investigate the bifurcations in semiconductor lasers</i> Stefano Beri</p>	<p><b>14:00</b> <i>Autonomous coupled oscillators with hyperbolic strange attractors</i> Arkadaj Pikovsky</p> <p><b>14:30</b> <i>Spontaneous cluster formation in coupled cell systems</i> Peter Ashwin</p> <p><b>15:00</b> <i>Understanding synchronization transitions in diverse oscillator lattices</i> Per Ostborn</p> <p><b>15:30</b> <i>Generalized models as a tool to study the stability of nonlinear dynamical systems</i> Ulrike Feudel</p>	

16:00 – 16:30 Tea/coffee refreshments

16:30 – 18:30 Parallel sessions

Session 1 (Room J.1.10) Wave chaos	Session 2 (Room J.0.02) Pattern formation	Session 3 (Room J.0.01) Nonlinear laser dynamics	Session 4 (Room K.1.05) Coupled cell networks	Session 5 (Room K.1.08) Satellite meeting (Stochastic dynamical systems)
<p><b>16:30</b> <i>Recent work with ultrasonic waves in complex reverberant structures, wave chaos and nonlinear dynamics</i> Richard Weaver</p> <p><b>17:10</b> <i>Long range ocean acoustic propagation as a problem in wave chaos</i> Steven Tomsovic</p> <p><b>17:50</b> <i>Geometry and topology of vortices in complex chaotic waves</i> Mark Dennis</p>	<p><b>16:30</b> <i>Quasipatterns in geometrically forced systems</i> Alastair Rucklidge</p> <p><b>17:00</b> <i>Mechanisms for pattern selection in Faraday waves</i> Anne Skeldon</p> <p><b>17:30</b> <i>Gene expression time delays and biological pattern formation mechanisms</i> Eamonn Gaffney</p> <p><b>18:00</b> <i>Theoretical study of pattern formation during the catalytic oxidation of CO on Pt{100} at low pressures</i> Rebecca Hoyle</p>	<p><b>16:30</b> <i>Pulse dynamics in mode-locked lasers</i> Steven Cundiff</p> <p><b>17:00</b> <i>Passive harmonic mode-locking in waveguide arrays</i> Björn Sandstede</p> <p><b>17:30</b> <i>Spectral filtering for ultra-short pulse generation in the normal (defocusing) dispersion regime</i> Brandon Bale</p> <p><b>18:00</b> <i>Bifurcations of dissipative solitons in the region of transition between solitons and fronts</i> Nail Akhmediev</p>	<p><b>16:30</b> <i>Revealing network connectivity from response dynamics</i> Marc Timme</p> <p><b>17:00</b> <i>Coupled robust heteroclinic cycles</i> Jon Dawes</p> <p><b>17:30</b> <i>Local bifurcation theory in symmetric and inferior symmetric coupled cell networks</i> Ana Dias</p> <p><b>18:00</b> <i>Synchronised chaos in network dynamics</i> Ian Stewart</p>	

19:00 - 19:30 Gala Dinner Pimms Reception - EHB Atrium and Lounge

19:30 Gala Dinner - EHB Atrium and Lounge

## Friday 13 July 2007

07:30 – 08:30 Breakfast for residential delegates - Linford Restaurant

09:00 – 10:00 Plenary session (Room J.1.10)

**'Time-reversed waves in complex medium and super-resolution', Mathias Fink**

10:00 – 10:30 Tea/coffee refreshments

10:30 – 12:30 Parallel sessions

Session 1 (Room J.1.10)	Session 2 (Room J.0.02)	Session 3 (Room J.0.01)	Session 4 (Room K.1.05)	Session 5 (Room K.1.08)
Contributed talks	Stability of solitary waves	Contributed talks	Integrable systems	Contributed talks
<p><b>10:30</b> <i>The topology of advective-diffusive scalar transport in laminar flows</i> Michel Speetjens</p> <p><b>10:50</b> <i>Kolmogorev turbulence I</i> Alexander Gurevich</p> <p><b>11:10</b> <i>Kolmogorev turbulence II</i> Alexander Gurevich</p> <p><b>10:30</b> <i>Complex THz electron dynamics in semiconductor superlattices with a tilted magnetic field</i> Alexander Balanov</p> <p><b>11:50</b> <i>Master-equation approach to modelling multi-state memories and processors</i> Konstantin Blyuss</p> <p><b>12:10</b> <i>Interaction of two charges in a uniform magnetic field</i> Diogo Pinheiro</p>	<p><b>10:30</b> <i>Existence and stability of fully localised three-dimensional gravity-capillary solitary water waves</i> Mark Groves</p> <p><b>11:00</b> <i>A hierarchy of weakly nonlinear models for multi-pulse wavetrains and energy exchange in two-component systems</i> Karima Khusnutdinova</p> <p><b>11:30</b> <i>Rogue waves, non-Gaussian statistics and proximity to homoclinic data</i> Constance Schober</p> <p><b>12:00</b> <i>Oblique dark solitons and dispersive shock waves in supersonic flow of a Bose-Einstein condensate past an obstacle</i> Gennady El</p>	<p><b>10:30</b> <i>Chaotic advection in blood flow: role of fractality in stenosis and aneurysm formation</i> György Károlyi</p> <p><b>10:50</b> <i>On algebraic aspects of (non) chaotic behaviour in discrete quadratic dynamical systems</i> Milan Kutnjak</p> <p><b>11:10</b> <i>State-space resolution in stochastic chaos</i> Domenico Lippolis</p> <p><b>11:30</b> <i>Manifestations of chaos</i> Robert MaKay</p> <p><b>11:50</b> <i>Fractional behaviour in multi-dimensional Hamiltonian chaos describing reactions</i> Mikito Toda</p>	<p><b>10:30</b> <i>Maps over finite fields: integrability and reversibility</i> Franco Vivaldi</p> <p><b>11:10</b> <i>Two-dimensional vector Yajima-Oikawa system</i> Kenichi Maruno</p> <p><b>11:50</b> <i>On middle convolution for Fuchsian systems</i> Galina Filipuk</p>	<p><b>10:30</b> <i>Continuation of spiral waves</i> Grigory Bordyugov</p> <p><b>10:50</b> <i>Two-dimensional perturbations in a scalar model for shear-banding</i> Johan Dubbeldam</p> <p><b>11:10</b> <i>Reflective collision, anomalous dispersion and attractive interaction of nonlinear waves in dispersive media</i> Harald Engel</p> <p><b>11:30</b> <i>Solitary pulses in nonlinear Schrödinger (NLS) systems and derivative NLS models</i> Chun Kit Lam</p> <p><b>11:50</b> <i>Breathers in media with essentially nonlinear local attachments</i> Vassilis Rothos</p> <p><b>12:10</b> <i>Some novel aspects of pattern formation in periodic precipitation systems</i> Rabin Sultan</p>

10:30 – 12:30 Satellite meeting (Stochastic dynamical systems) - Woodhouse Room, EHB

12:30 – 14:00 Lunch - Linford Restaurant