

MONDAY

1030	Coffee and registration in University Hall										
1130	Karen Willcox - Stewartson Memorial Lecture (in Lecture Theatre, Rik Medlik Building) <i>Data to decisions via adaptive reduced models and multifidelity uncertainty quantification</i>										
1230	Lunch in University Hall										
	LECTURE THEATRE A	LECTURE THEATRE B	LECTURE THEATRE D	LECTURE THEATRE E	LECTURE THEATRE F	LECTURE THEATRE G	LECTURE THEATRE H	LECTURE THEATRE J	LECTURE THEATRE L	22AA04	24AA04
	Misc fluids	Symmetries and conservation laws	Network science	Acoustic waves	The dynamics of evaporation	Asymptotic methods in the applied sciences	Inverse problems and imaging	Recent progress in the mathematical theory of fluid dynamics	Dynamical systems and applications	Population models	Elasticity
1400	Douglas Addy <i>Diffuse-Interface Modelling of Flows in Porous Media</i>	Peter Hydon <i>A beginner's guide to symmetries and conservation laws</i>	Caroline Colijn <i>Trees and networks in understanding pathogen transmission</i>	Georgia Lynott <i>Scattering from a row of aligned cylinders of arbitrary cross-section; tail-end asymptotics for the periodic Green's function</i>	Matthew Saxton <i>The role of kinetic effects in droplet evaporation</i>	John King <i>Organisation of vascular pattern in plant roots</i>	Mohammad Golbabaee <i>Fast compressed quantitative MRI</i>	Daniel Coutand <i>Finite-time singularity formation for Euler interface problems</i>	Marianna Cerasuolo <i>Dynamics of human prostate cancer cells in response to low androgen levels</i>	Rowena Ball <i>The fundamental equation of life</i>	Oleksandr Menshykov <i>Numerical modelling of layered composite pipes under bending and pressure</i>
1420	Koji Ohkitani <i>A Cole-Hopf-Feynman-Kac formula and quasi-invariance for the Navier-Stokes equations</i>		Samuel Johnson <i>Trophic coherence: what it is and why it matters</i>	Jonathan Stone <i>Complex aeroacoustic catastrophes: fangs and the memory of singularities past</i>	Alexander Wray <i>Low-order modelling of evaporation in asymmetric drops</i>				Damian Smug <i>Predicting financial stock crashes using ghost singularities</i>	Lydia Rickett <i>Sense and Sensitivity: Using mathematical modelling to understand how a plant remains responsive to bacteria</i>	Daniel Peck <i>Resolution of the threshold fracture energy paradox for solid particle erosion</i>
1440	Maxim Zyskin <i>Moving boundary problem of shape dependent Oxidation of nanosized metal particle</i>	Daniel Ratliff <i>Multiphase wavetrains, conservation laws and the emergence of nonlinear PDEs</i>	Peter Ashwin <i>Geometric dynamics of the endoplasmic reticulum</i>	Eman Aljabali <i>Effect of relaxation on sonic booms</i>	Stephen Wilson <i>The lifetime of evaporating droplets with related initial and receding contact angles</i>	Chris Howls <i>Invisible catastrophes: when to turn an asymptotic blind eye</i>	Hanne Kekkonen <i>Large noise in variational regularisation</i>	Franck Sueur <i>On the controllability of the Navier-Stokes equations</i>	Edmund Barter <i>Meta-food-chains as a many-layer epidemic process on networks</i>	Jasmina Panovska-Griffiths <i>Re-evaluating the vaccination against Haemophilus influenzae type b in England: insights from a mathematical model</i>	Nikolai Gorbushin <i>Steady-state fracture of a double chain under a moving load</i>
1500	Fatemah Al Mukahal <i>Non-Newtonian effects and Taylor dispersion in rivulet flow</i>	Elizabeth Mansfield <i>Discrete conservation laws and moving frames</i>	Andrew <i>Mathematical problems in network data analysis for cyber defence</i>	Nicholas Ovenden <i>Ultrasound propagation through contrast agent suspensions</i>	Prashant Valluri <i>Watching sessile droplets evaporate...is beautiful and interesting!</i>				Farzad Fatehi <i>Deterministic and stochastic modelling of pathogen-induced autoimmunity</i>	Vasiliki Bitsouni <i>Modelling and analysis of TGF-beta pathway on tumour progression and cell adhesion</i>	Gennady Mishuris <i>Energy release rate in hydraulic fracture: Can we neglect an impact of the hydraulically induced shear stress?</i>
1520	Adam Townsend <i>Explaining shear-thickening with friction</i>	Tristan Pryer <i>Structure preserving numerical schemes and exact solutions for the mKdV system</i>		Wade Parsons <i>Acoustic-gravity waves generated by impulsive sources at the ocean</i>	Rodrigo Ledesma-Aguilar <i>Lattice-Boltzmann simulations of evaporation dynamics</i>	Philippe Trinh <i>Exponential asymptotics, self-similarity and thin-film rupture</i>	Clarice Poon <i>The parameter estimation problem under radial lines sampling</i>	Alessandro Morando <i>Approximate current-vortex sheets near the onset of instability</i>	Kevin Minors <i>Sexual conflict accelerates species invasion</i>	Stephen Baigent <i>Convexity of invariant manifolds in competitive population models</i>	Mitchell Berger <i>Averaging the strain in elastic equilibria</i>
1540	Eun-Jin Kim <i>Modeling self-organised shear flows in 0D, 1D and 2D</i>			Hilary Ockendon <i>Two-dimensional Wave Propagation in a Layered Medium</i>	Arandeep Uppal <i>Drying of sessile thixotropic droplets</i>				Shreya Sehgal <i>A numerical bifurcation analysis of spiral waves</i>		
1600	Coffee in University Hall										
1630	Peter Grindrod (in Lecture Theatre, Rik Medlik Building) <i>To be advised</i>										
1730	Poster session and drinks reception in University Hall										
1900	Buffet in Hillside										

TUESDAY AM

	LECTURE THEATRE A	LECTURE THEATRE B	LECTURE THEATRE D	LECTURE THEATRE E	LECTURE THEATRE F	LECTURE THEATRE G	LECTURE THEATRE H	LECTURE THEATRE J	LECTURE THEATRE L	22AA04	24AA04	39AA04
	Electro-magnetic waves	Why I compute - in honour of Robert Rosner's 70th birthday	Instability and transition shear flows	Cells and biomechanics	Lighthill-Thwaites	Thin films	Quantum theory information	Recent progress in the mathematical theory of fluid dynamics	Spatial localisation in fluids	Quantitative evolutionary biology	Multi-scale systems: from analysis to numerics to applications	Inverse problems LMS II
0900	Deepthee Ramapriya <i>Wigner Function approach to analyse near-to-far field propagation</i>	Robert Rosner <i>Why do I compute?</i>	Adam Butler <i>The modulation and excitation of stationary crossflow vortices by surface roughness</i>	Oliver Jensen <i>A vertex-based model relating cell shape and mechanical stress in an epithelium</i>	Oliver Allanson <i>From one-dimensional fields to Vlasov equilibria: theory and application of Hermite polynomials</i>	Eugene Benilov <i>Stability of thin liquid curtains</i>	Matteo Lostaglio <i>Quantum coherence, time-translation symmetry and thermodynamics</i>	David Gerard-Varet <i>Stability of boundary layer flows</i>	Isabel Mercader <i>Localised binary convection in a slightly inclined rectangular cavity</i>	Florence Débarre <i>Fidelity of parent-offspring transmission and the evolution of social behaviour in structured populations</i>	Pietro Asinari <i>Multi-scale modelling of nanoparticle suspensions</i>	Franz Kiraly <i>Model identification, prediction and validation in inverse problems</i>
0920	Valon Blakaj <i>Propagation of electromagnetic waves in large scale environments - an operator approach</i>		Ming Dong <i>On generation of instability modes in the wake of a trailing edge</i>	Linda Irons <i>Discrete and continuum modelling of cell-ECM adhesion</i>	Nabil Fadai <i>Asymptotic analysis of a drying model motivated by coffee bean roasting</i>	Michael Dallaston <i>Destabilisation of self-similar rupture solutions in a thin film equation</i>			Cédric Beaume <i>Spatial localisation in fluids</i>			
0940	Matthew Nethercote <i>Electromagnetic wave diffraction of perfect electric conducting wedges with arbitrary linear polarization</i>	Michael Proctor <i>Quasi-cyclic behaviour in non-linear simulations of the shear dynamo</i>	Xuesong Wu <i>Nonlinear evolution and secondary instability of Gortler vortices induced by free-stream vortices</i>	Simon Pearce <i>Microtubule curling</i>	Duncan Joyce <i>An integral equation method for the homogenization of unidirectional fibre reinforced media; antiplane elasticity</i>	Radu Cimpeanu <i>Long-wave analysis and control of the viscous Rayleigh-Taylor instability using electric fields</i>	Reevu Maity <i>Extracting a quantum distance from relative Renyi entropy measures</i>	Vincenzo Sciacca <i>Long time behaviour for a dissipative shallow water model</i>	Yasumasa Nishiura <i>Dynamics of spatially localised patterns in binary fluids</i>	Thomas Ezard <i>Is the world full of species?</i>	Roland Roth <i>DFT study of a system with competing interactions</i>	Martin Benning <i>Model identification, prediction and validation in inverse problems</i>
1000	Ory Schnitzer <i>Waves in slowly varying band-gap media</i>		Elena Marensi <i>Nonlinear evolution of unsteady streaks in a compressible boundary layer subject to free-stream vorticity</i>	Arshad Kamal <i>Micro-scale undulatory locomotion in heterogeneous viscoelastic environments</i>	Doireann O'Kiely <i>Edge behaviour in the glass sheet redraw process</i>	Abdulwahed Alshaikhi <i>Existence and stability of stationary solutions of a thin film equation with Derjaguin disjoining pressure</i>			Alvaro Meseguer <i>Creation and annihilation bifurcation mechanisms of localised travelling pulses in shear flows</i>			
1020	Stewart Haslinger <i>Active cloaking for flexural waves in a pinned Kirchhoff plate</i>	David Hughes <i>Strong field dynamo action in rotating convection with no inertia</i>	Andrea Cassinelli <i>Streak instability in near-wall turbulence revisited</i>	Alexander Erlich <i>Growth dynamics of tubular structures</i>	Zachary Wilmott <i>The effect of ions on the motion of an oil slug in a charged capillary</i>	David Sibley <i>Capturing fluid structure in thin-film models for the motion of terraced drops</i>	Benjamin Yadin <i>Quantum processes which do not use coherence</i>	Paola Trebeschi <i>Local existence of MHD contact discontinuities</i>	Yohann Duguet <i>Oblique stripes of turbulence in plane Poiseuille flow</i>	Laurel Fogarty <i>The mathematics of cultural accumulation</i>	Alice Harpole <i>Multiscale modelling of burning on neutron stars</i>	Oliver Dorn <i>Level set and sparsity regularisation for an inverse problem of the 2D time-dependent transport equation in optical tomography</i>
1040			Christian Thomas <i>Globally unstable behaviour in a the rotating-disc boundary layer</i>	Carina Dunlop <i>Differential contractility as a new mechanism for mechanotransduction in epithelial cells</i>		Matthew Moore <i>Abstract title: Ice formation within a thin film flowing over a flat plate</i>					Antonio Russo <i>Transport properties at fluids interfaces: macroscopic relations for microscopic phenomena</i>	
1100	Coffee in University Hall											
1130	Rebecca Hoyle (in Lecture Theatre, Rik Medlik Building) <i>Maternal effects and environmental change</i>											
1230	Lunch in University Hall											

TUESDAY PM

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	Density function theory	Why I compute - in honour of Robert Rosner's 70th birthday	Instability and transition shear flows	Ice-fluid coupling	Applying maths to public health	Asymptotic methods in the applied sciences	Quantum theory information	Recent progress in the mathematical theory of fluid dynamics	Applied delay differential equations	Quantitative evolutionary biology	Elastodynamics	Structure in time and space
1400	Rory Mills <i>Dynamical density functional theory with a short range hydrodynamic interaction</i>	Joanne Mason <i>The fun of simulating MHD turbulence</i>	Jonathan Healey <i>Global instability of mixing layers over sloping sea beds</i>	Alexander Korobkin <i>Water entry problem in the presence of floating ice flows</i>	Katherine Atkins <i>Modelling influenza transmission and vaccination for public health decision-making</i>	Adri Olde Daalhuis <i>Computation of the coefficients appearing in the uniform asymptotic expansions of integrals</i>	Marco Cianciaruso <i>Generalised geometric quantum speed limits</i>	Anna Mazzucato <i>The vanishing viscosity limit in porous media</i>	Konstantin Blyuss <i>Time-delayed model of RNA interference</i>	Mark Broom <i>Modelling evolution in structured populations using multiplayer games</i>	Giorgio Carta <i>Unidirectional localisation and control of waves in chiral lattices: the DASER effect</i>	Pier Luigi Dragotti <i>FRESH - An algorithm for resolution enhancement of piecewise smooth signals and images</i>
1420	Miguel Duran-Olivencia <i>Dynamic density functional theory for phase transitions: non-classical nucleation pathways in colloidal</i>		Priya Subramanian <i>Nonlinear spatio-temporal patterns in inclined layer convection</i>	Davide Bella <i>Freezing droplets on solid surfaces with arbitrarily complex geometry</i>					Thilo Gross <i>Dynamic motifs in networks of delay-coupled delay equations</i>		Peter Wootton <i>Asymptotic Modelling of the Rayleigh Wave field caused by a regular array of surface resonators</i>	Adrian Bowman <i>Surfaces, shapes and anatomy</i>
1440	Peter Yatsyshin <i>Bifurcations of equilibrium metastable states of inhomogeneous classical fluids in contact with patterned substrates</i>	Steven Tobias <i>Why I compute...statistics of astrophysical flows and dynamos</i>	Ashley Willis <i>Stabilisation of finite-amplitude solutions in shear flow</i>	David Hammond <i>Impact ice growth and properties</i>	Anotida Madzvamuse <i>A novel approach for whole cell tracking based on geometric partial differential equations</i>	Jon Chapman <i>Analysis of Carrier's problem</i>	Fabio Anza <i>Information theory and observable thermalisation</i>	Bin Cheng <i>Error estimates and 2nd order corrections to approximate fluid models</i>	Jan Haskovec <i>Synchronization in multiagent systems with reaction delays and multiplicative noise</i>	James Allen <i>Social influence increases cooperation in the public goods game on networks</i>	Domenico Tallarico <i>On the coupling of shear and pressure waves in a triangular lattice elastic lattice containing tilted resonators</i>	Carola-Bibiane Schönlieb <i>Joint motion estimation and image reconstruction</i>
1500	Matthew Russell <i>Fluctuations in solute transport in a spatially disordered environment</i>			Emilian Parau <i>Numerical study of solitary wave propagation in a fragmented ice plate</i>					Yulia Kyrychko <i>Dynamics of neural systems with discrete and distributed delays</i>		Michael Gomez <i>Over-damped elastic 'snap-through'</i>	Giacomo Albi <i>Mean-field control hierarchy</i>
1520	Ben Goddard <i>Dynamical density functional theory and hydrodynamic interactions in confined systems</i>	Paul Bushby <i>Simulating convectively-driven astrophysical dynamos</i>		Harold Heorton <i>The response of the sea ice edge to atmospheric and oceanic jet formation</i>	Timothy Kinyanjui <i>Vaccine induced herd immunity for control of RSV</i>	C. John Chapman <i>An asymptotic method for long waves in a curved layer</i>	Davide Girolami <i>Characterising the structure of multipartite correlations</i>	Francesco Gargano <i>Singular behaviour for regularised vortex sheet motion</i>	Jan Sieber <i>Normal forms in delay-differential equations with state-dependent delays</i>	Belgin Seymenoglu <i>Invariant manifolds of a model from population genetics</i>	Robert Davey <i>An efficient semi-analytical scheme for determining the reflection of Lamb waves in a semi-infinite waveguide</i>	Huilin Le <i>Smooth curve fitting to 3D shape data</i>
1540				Richard Porter <i>Wave interaction with floating ice sheets</i>					Daniel Ward <i>Mathematical modelling of lineage commitment of human hematopoietic progenitors in early erythroid culture</i>		Vladyslav Danishevskyy <i>Macroscopic dynamic models for periodically heterogeneous structures</i>	Sofia Olhede <i>Extracting rapidly-varying oscillations</i>
1600	Coffee in University Hall											
1630	Beth Wingate (in Lecture Theatre, Rik Medlik Building)											
	Challenges for climate and weather prediction in the post-Moore's-Law era of computing: oscillatory stiffness, time-parallelism and the role of long-time dynamics											
1800	Gala dinner in Hillside											

WEDNESDAY AM

	LECTURE THEATRE A	LECTURE THEATRE B	LECTURE THEATRE D	LECTURE THEATRE E	LECTURE THEATRE F	LECTURE THEATRE H	LECTURE THEATRE J	LECTURE THEATRE L	22AA04	24AA04
	Free-surface and interfacial flows	Symmetries and conservation laws	Pipe and channel flows	Tissue engineering I	Biorhythms	Geophysical fluid dynamics	Recent progress in the mathematical theory of fluid dynamics	Mathematical modelling of crime	Modelling epidemics in human and plant populations	Inverse problems and heat transfer
0900	Ying Huang <i>Coupled sloshing in a 2-vessel system</i>	Colin Cotter <i>Discretising the action: from variational integrators to singular solutions of nonlinear PDEs</i>	Andrew Croudace <i>Unsteady flow of thixotropic fluid in a slowly varying pipe</i>	Andrew Krause <i>Analysis of lattice and continuum models of bioactive porous media</i>	Adam Bridgewater <i>Mathematical investigation of diabetically impaired ultradian oscillations in the glucose insulin regulation</i>	Jean Reinaud <i>Tripolar vortices in a two-layer quasi-geostrophic flow</i>	Michele Bartuccelli <i>Explicit estimates on the torus for the sup-norm and the problem of the 'crest factor' of solutions of the two-dimensional Navier-Stokes equations</i>	Craig Gilmour <i>Self-exciting point processes and their applications to crime data</i>	Istvan Kiss <i>Generalization of pairwise models to non-Markovian epidemics on networks</i>	Kai Cao <i>Inverse coefficient problems in heat transfer</i>
0920	Dane Grundy <i>Decay of solitary waves, a comparison between asymptotic and numerical results</i>		Graham Benham <i>Shear layers in channel flow</i>	Andrew Melnik <i>Perspectives on constitutive models for soft tissues</i>	Matthew Bailey <i>The hidden rhythm in the sleep patterns of the common vole</i>	Sean Cleator <i>Reconstructing ice-age palaeoclimates using model inversion and data interpolation</i>		Naratip Santitissadeekorn <i>Sequential data assimilation for urban crime models</i>	Louise Dyson <i>Household modelling of Yaws data indicates that case finding and contact tracing may be unsuccessful at disease eradication</i>	Yujun Qiao <i>Analysis of multiplicative regularisation for inverse problems</i>
0940	Konstantin Ilin <i>Free-surface waves on a vibrating fluid layer</i>	John King <i>Stochastic blow up</i>	Danyang Wang <i>The energetics of flow in flexible channel</i>	Ahmed Ismaeel <i>Mathematical modelling of photothermal therapy</i>	James Preston <i>Modelling the dynamics between pathogens and the immune system, with emphasis on EPEC</i>	Yue-Kin Tsang <i>Probabilistic parametrization of condensation in coarse-grained moisture transport models</i>	Tao Wang <i>Nonlinear stability of relativistic vortex sheets in two spatial dimensions</i>	Sally Faulkner <i>Geographic profiling in biology</i>	Nakul Chitnis <i>Mathematical modelling of the transmission dynamics of opisthorchis viverrini</i>	Vladimir Turetsky <i>On solvability of linear-quadratic differential game for a heat equation</i>
1000	Mat Hunt <i>Free surface flows in electrohydrodynamics with constant vorticity</i>	Maxim Zyskin <i>Transformation groups and discrete structures in continuum description of defective crystals</i>	Kevin Devine <i>Oscillation mark formation in steel casting</i>	Niall McInerney <i>A mathematical model of a thermoresponsive drug delivery device</i>	Leo Turner <i>Nonlinear dynamical system for prostate cancer cell transdifferentiation</i>	William Booker <i>Internal wave attractors in stratified fluids</i>		Michael Tsardakas <i>A data-driven approach to modelling serious and minor crime</i>	Lara Gosce <i>Modelling latent tuberculosis infection</i>	Ferran Brosa Planella <i>Instability in the self-similar motion of a planar solidification front</i>
1020	Benjamin Aymard <i>Multiphase flows in confinement with complex geometries</i>	Francesco Giglio <i>Integrable nematic liquid crystals</i>	Edmund Chadwick <i>Using drag Eulerlets</i>	Mike Chen <i>TGF-beta regulated chondrogenesis for tissue engineering of articular cartilage</i>	Tim Hurst <i>Approximating non-adiabatic transitions in two-dimensional quantum molecular dynamics</i>	Usama Kadri <i>Tsunami detection and mitigation</i>	Marco Sammartino <i>Vortex layers of small thickness</i>	Rafael Prieto Curiel <i>The concentration of victimisation and criminality</i>	Michael Jeger <i>Plant virus transmission pathways: the evolution of virulence and mutualism</i>	Rudolf Kohulak <i>Freeze-Drying, Stefan Problems and Level Set Methods</i>
1040	Matt Turner <i>Time-dependent conformal mappings with applications to nonlinear sloshing problems</i>		Thomas Ward <i>Predicting the onset of high-frequency self-excited oscillations in a channel with an elastic wall</i>		Philip Aston <i>Feature extraction from a blood pressure signal based on attractor reconstruction</i>	Stephen Griffiths <i>The limiting form of symmetric instability in geophysical flows</i>		Toby Davies <i>Where next for the mathematical modelling of crime?</i>	Ryan Sharp <i>How a competing endemic pathogen strain affects the dynamics and control of an invading strain in a vegetatively propagated crop</i>	Matthias Ehrhardt <i>Faster PET reconstruction with a stochastic primal-dual hybrid gradient method</i>
1100	Coffee in University Hall									
1130	Ingrid Daubechies (in Lecture Theatre, Rik Medlik Building) <i>Surfing with wavelets</i>									
1230	Lunch in University Hall									

WEDNESDAY PM

	LECTURE THEATRE A	LECTURE THEATRE B	LECTURE THEATRE D	LECTURE THEATRE E	LECTURE THEATRE F	LECTURE THEATRE L	22 AA04	24 AA04
	Network science	Why I compute - in honour of Robert Rosner's 70th birthday	Flow stability, boundary layers and bubbles	Tissue engineering II	Asymptotics	Dynamical systems and applications	Application of string theory	Novel applications
1330	Ginestra Bianconi <i>Multilayer networks: a new framework for complex systems</i>	Matthew Browning <i>Magnetism and dissipation in global simulations of convective stars</i>	Pietro Servini <i>Roughing up wings: A promising technique in laminar flow control</i>	Tuoi Vo <i>Modelling drug elution from polymer-free drug-eluting stents with microporous surfaces and drug-filled stents</i>	Michael Nieves <i>Asymptotic analysis of solutions to transmission problems in solids with many inclusions</i>	Hassan Alkhayuon <i>Rate-induced tipping with periodic orbits</i>	Christian Saemann <i>How category theory simplified my life</i>	Sam Tucker Harvey <i>Experimental characterisation and modelling of an aeroelastic energy harvester</i>
1350	Thilo Gross <i>Master stability functions reveal diffusion driven instabilities in multilayer networks</i>		Hui Xu <i>Destabilisation and Modification of Tollmien-Schlichting disturbances by a three dimensional surface</i>	Sara Frecentese <i>Bloch waves in blood vessels with stents</i>	Paolo Musolino <i>A functional analytic approach for singular perturbation problems in perforated domains</i>	Cezary Olszowiec <i>Heteroclinic phenomena in the coupled replicator equations, a computer-assisted approach</i>		Gevorg Hunanyan <i>The Security Market Line and Short Sale Constraints</i>
1410	Lucas Lacasa <i>Identifying the hidden multiplex architecture of complex systems</i>	Rainer Hollerbach <i>A Taylor-Couette dynamo</i>	Rabeea Darghoth <i>Investigating the possibility of using Oseen flow to model the boundary layer</i>	Jessica Williams <i>Mathematical modelling of ureteroscopy irrigation</i>	Ben Sloman <i>Asymptotic analysis of a silicon furnace model</i>	Thibaut Putelat <i>Remote tactile surface texture sensing: from rats to robots</i>		Francesca Grassetti <i>Local and global dynamics in a discrete time growth model with VES production function</i>
1430	Ayalvadi Ganesh the University of Manchester		Robert Whittaker <i>Stability of a twisted plateau border with line tension and bending stiffness</i>	Matthew Coleman <i>Using dynamic flux balance analysis to predict non-steady state behaviour in continuous metabolic models</i>	Bwebum Dang <i>Complexity Asymptotics</i>	Vitaly Fain <i>Energy growth and scattering maps for a billiard inside a time-dependent symmetric domain close to an ellipse</i>	Mathew Bullimore <i>Supersymmetry and representation theory</i>	Richard Burke <i>Reduced-order approximation of consensus dynamics in networks with hybrid adaptive communication protocols</i>
1450		Robert Kerr <i>Trefoil knot reconnection and regularity</i>	Alex Doak <i>Selection of axisymmetric bubbles in the limit of small surface tension</i>	Anna Lambert <i>Modelling cell heterogeneity using multi-dimensional population balance equations</i>	Alan Champneys <i>Demystifying the G-spot in contact mechanics numerical results</i>	Denis Patterson <i>Blow-up and asymptotic growth in Volterra equations</i>		Srikanth Ravipati <i>Computing contact angles from molecular dynamics simulations of nanodroplets</i>
1510			Oliver Kerr <i>The onset of double-diffusive convection with evolving background temperature gradients</i>	Hao Gao <i>Mathematical study of active contraction in myocyte and left ventricle from health to non-ischemic dysfunction</i>				Carl Whitfield <i>Hydrodynamic instabilities and pattern formation in active cholesterics</i>
1530	Closing session and prize-giving (in Lecture Theatre, Rik Medlik Building)							
1600	Conference closes							