MONDAY

0930 **Coffee and registration in University Hall**

1115 **Welcome and opening by Vice-Chancellor Max Lu**

1130 **Karen Willcox - Stewartson Memorial Lecture (in Lecture Theatre, Rik Medlik Building)**

Data to decisions via adaptive reduced models and multifidelity uncertainty quantification

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** *Diffuse-interface modelling of flows in porous media*	**Peter Hydon** *A beginner's guide to symmetries and conservation laws*	**Caroline Colijn** *Trees and networks in understanding pathogen transmission*	**Georgia Lynott** *Scattering from a row of aligned cylinders of arbitrary cross-section; tail-end asymptotics for the periodic Green's function*	**Matthew Saxton** *The role of kinetic effects in droplet evaporation*	**John King** *Organisation of vascular pattern in plant roots*	**Mohammad Golbabaee** *Fast compressed quantitative MRI*	**Daniel Coutand** *Finite-time singularity formation for Euler interface problems*	**Marianna Cerasuolo** *Dynamics of human prostate cancer cells in response to low androgen levels*	**Rowena Ball** *The fundamental equation of life*	**Oleksandr Menshykov** *Numerical modelling of layered composite pipes under bending and pressure*
1420	**Koji Ohkitani** *A Cole-Hopf-Feynman-Kac formula and quasi-invariance for the Navier-Stokes equations*		**Samuel Johnson** *Trophic coherence: what it is and why it matters*	**Jonathan Stone** *Complex aeroacoustic catastrophes: fangs and the memory of singularities past*	**Alexander Wray** *Low-order modelling of evaporation in asymmetric drops*				**Damian Smug** *Predicting financial stock crashes using ghost singularities*	**Lydia Rickett** *Sense and Sensitivity: using mathematical modelling to understand how a plant remains responsive to bacteria*	**Daniel Peck** *Resolution of the threshold fracture energy paradox for solid particle erosion*
1440	**Maxim Zyskin** *Moving boundary problem of shape dependent oxidation of nanosized metal particle*	***Daniel Ratliff*** *Multiphase wavetrains, conservation laws and the emergence of nonlinear PDEs*	**Peter Ashwin** *Geometric dynamics of the endoplasmic reticulum*	**Eman Aljabali** *Effect of relaxation on sonic booms*	**Stephen Wilson** *The lifetime of evaporating droplets with related initial and receding contact angles*	**Chris Howls** *Invisible catastrophes: when to turn an asymptotic blind eye*	**Hanne Kekkonen** *Large noise in variational regularisation*	**Franck Sueur** *On the controllability of the Navier-Stokes equations*	**Edmund Barter** *Meta-food-chains as a many-layer epidemic process on networks*	**Jasmina Panovska-Griffiths** *Re-evaluating the vaccination against Haemophilus influenzae type b in England: insights from a mathematical model*	**Nikolai Gorbushin** *Steady-state fracture of a double chain under a moving load*
1500	**Fatemah Al Mukahal** *Non-Newtonian effects and Taylor dispersion in rivulet flow*	**Elizabeth Mansfield** *Discrete conservation laws and moving frames*	**Andrew** *Mathematical problems in network data analysis for cyber defence*	**Nicholas Ovenden** *Ultrasound propagation through contrast agent suspensions*	**Dominic Vella** *Evaporation in elastocapillary aggregation*				**Farzad Fatehi** *Deterministic and stochastic modelling of pathogen-induced autoimmunity*	**Vasiliki Bitsouni** *Modelling and analysis of TGF-beta pathway on tumour progression and cell adhesion*	**Gennady Mishuris** *Energy release rate in hydraulic fracture: can we neglect an impact of the hydraulically induced shear stress?*
1520	**Adam Townsend** *Explaining shear-thickening with friction*	**Tristan Pryer** *Structure preserving numerical schemes and exact solutions for the mKdV system*		**Wade Parsons** *Acoustic-gravity waves generated by impulsive sources at the ocean*	**Rodrigo Ledesma-Aguilar** *Lattice-Boltzmann simulations of evaporation dynamics*	**Philippe Trinh** *Exponential asymptotics, self-similarity and thin-film rupture*	**Clarice Poon** *The parameter estimation problem under radial lines sampling*	**Alessandro Morando** *Approximate current-vortex sheets near the onset of instability*	**Kevin Minors** *Sexual conflict accelerates species invasion*	**Stephen Baigent** *Convexity of invariant manifolds in competitive population models*	**Mitchell Berger** *Averaging the strain in elastic equilibria*
1540	**Eun-Jin Kim** *Modeling self-organised shear flows in 0D, 1D and 2D*			**Hilary Ockendon** *Two-dimensional Wave Propagation in a Layered Medium*	**Arandeep Uppal** *Drying of sessile thixotropic droplets*				**Shreya Sehgal** *A numerical bifurcation analysis of spiral waves*		

1600 **Coffee in University Hall**

1630 **Peter Grindrod (in Lecture Theatre, Rik Medlik Building)**

Some challenges, threats and opportunities for Mathematics

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** *Wigner Function approach to analyse near-to-far field propagation*	**Robert Rosner** *Why do I compute?*	**Adam Butler** *The modulation and excitation of stationary crossflow vortices by surface roughness*	**Oliver Jensen** *A vertex-based model relating cell shape and mechanical stress in an epithelium*	**Oliver Allanson** *From one-dimensional fields to Vlasov equilibria: theory and application of Hermite polynomials*	**Eugene Benilov** *Stability of thin liquid curtains*	**Matteo Lostaglio** *Quantum coherence, time-translation symmetry and thermodynamics*	**David Gerard-Varet** *Stabililty of boundary layer flows*	**Isabel Mercader** *Localised binary convection in a slightly inclined rectangular cavity*	**Florence Débarre** *Fidelity of parent-offspring transmission and the evolution of social behaviour in structured populations*	**Pietro Asinari** *Multi-scale modelling of nanoparticle suspensions*	**Franz Király** *Model identification, prediction and validation in inverse problems*
0920	**Valon Blakaj** *Propagation of electromagnetic waves in large scale environments - an operator approach*		**Ming Dong** *On generation of instability modes in the wake if a trailing edge*	**Linda Irons** *Discrete and continuum modelling of cell-ECM adhesion*	**Nabil Fadai** *Asymptotic analysis of a drying model motivated by coffee bean roasting*	**Michael Dallaston** *Destabilisation of self-similar rupture solutions in a thin film equation*			**Cédric Beaume** *From convectors to complexity in doubly diffusive convection*			
0940	**Matthew Nethercote** *Electromagnetic wave diffraction of perfect electric conducting wedges with arbitrary linear polarization*	**Michael Proctor** *Quasi-cyclic behaviour in non-linear simulations of the shear dynamo*	**Xuesong Wu** *Nonlinear evolution and secondary instability of Gortler vortices induced by free-stream vortices*	**Simon Pearce** *Microtubule curling*	**Duncan Joyce** *An integral equation method for the homogenization of unidirectional fibre reinforced media; antiplane elasticity*	**Radu Cimpeanu** *Long-wave analysis and control of the viscous Rayleigh-Taylor instability using electric fields*	**Reevu Maity** *Extracting a quantum distance from relative Renyi entropy measures*	**Vincenzo Sciacca** *Long time behaviour for a dissipative shallow water model*	**Yasumasa Nishiura** *Dynamics of spatially localised patterns in binary fluids*	**Thomas Ezard** *Is the world full of species?*	**Roland Roth** *DFT study of a system with competing interactions*	**Martin Benning** *Gradient descent in a generalised Bregman distance framework*
1000	**Ory Schnitzer** *Waves in slowly varying band-gap media*		**Elena Marensi** *Nonlinear evolution of unsteady streaks in a compressible boundary layer subject to free-stream vorticity*	**Arshad Kamal** *Micro-scale undulatory locomotion in heterogeneous viscoelastic environments*	**Doireann O'Kiely** *Edge behaviour in the glass sheet redraw process*	**Abdulwahed Alshaikhi** *Existence and stability of stationary solutions of a thin film equation with Derjaguin disjoining pressure*			**Alvaro Meseguer** *Creation and anihilation bifurcation mechanisms of localised travelling pulses in shear flows*			
1020	**Stewart Haslinger** *Active cloaking for flexural waves in a pinned Kirchhoff plate*	**David Hughes** *Strong field dynamo action in rotating convection with no inertia*	**Priya Subramanian** *Nonlinear spatio-temporal patterns in inclined layer convection*	**Alexander Erlich** *Growth dynamics of tubular structures*	**Zachary Wilmott** *The effect of ions on the motion of an oil slug in a charged capillary*	**David Sibley** *Capturing fluid structure in thin-film models for the motion of terraced drops*	**Benjamin Yadin** *Quantum processes which do not use coherence*	**Paola Trebeschi** *Local existence of MHD contact discontinuities*	**Yohann Duguet** *Oblique stripes of turbulence in plane Poiseuille flow*	**Laurel Fogarty** *The mathematics of cultural accumulation*	**Alice Harpole** *Multiscale modelling of burning on neutron stars*	**Oliver Dorn** *Level set and sparsity regularisation for an inverse problem of the 2D time-dependent transport equation in optical tomography*
1040			**Ashley Willis** *Stabilisation of finite-amplitude solutions in shear flow*	**Carina Dunlop** *Differential contractility as a new mechanism for mechanotransduction in epithelial cells*		**Matthew Moore** *Ice formation within a thin film flowing over a flat plate*					**Antonio Russo** *Transport properties at fluids interfaces: macroscopic relations for microscopic phenomena*	
1100	**Coffee in University Hall**											
1130	**Rebecca Hoyle (in Lecture Theatre, Rik Medlik Building)** *Maternal effects and environmental change*											
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** *Dynamical density functional theory with a short range hydrodynamic interaction*	**Joanne Mason** *The fun of simulating MHD turbulence*	**Andrea Cassinelli** *Streak instability in near-wall turbulence revisited*	**Alexander Korobkin** *Water entry problem in the presence of floating ice flows*	**Katherine Atkins** *Modelling influenza transmission and vaccination for public health decision-making*	**Adri Olde Daalhuis** *Computation of the coefficients appearing in the uniform asymptotic expansions of integrals*	**Marco Cianciaruso** *Generalised geometric quantum speed limits*	**Anna Mazzucato** *The vanishing viscosity limit in porous media*	**Konstantin Blyuss** *Time-delayed model of RNA interference*	**Mark Broom** *Modelling evolution in structured populations using multiplayer games*	**Giorgio Carta** *Unidirectional localisation and control of waves in chiral lattices: the DASER effect*	**Pier Luigi Dragotti** *FRESH - An algorithm for resolution enhancement of piecewise smooth signals and images*
1420	**Miguel Duran-Olivencia** *Dynamic density functional theory for phase transitions: non-classical nucleation pathways in colloidal fluids*		**Christian Thomas** *Globally unstable behaviour in the rotating-disc boundary layer*	**Davide Bella** *Freezing droplets on solid surfaces with arbitrarily complex geometry*					**Thilo Gross** *Dynamic motifs in networks of delay-coupled delay equations*		**Peter Wootton** *Asymptotic Modelling of the Rayleigh Wave field caused by a regular array of surface resonators*	**Adrian Bowman** *Surfaces, shapes and anatomy*
1440	**Peter Yatsyshin** *Bifurcations of equilibrium metastable states of inhomogeneous classical fluids in contact with patterned substrates*	**Steven Tobias** *Why I compute…statistics of astrophysical flows and dynamos*	**Jonathan Healey** *Global instability of mixing layers over sloping sea beds*	**David Hammond** *Impact ice growth and properties*	**Anotida Madzvamuse** *A novel approach for whole cell tracking based on geometric partial differential equations*	**Jon Chapman** *Analysis of Carrier's problem*	**Fabio Anza** *Information theory and observable thermalisation*	**Bin Cheng** *Error estimates and 2nd order corrections to approximate fluid models*	**Jan Haskovec** *Synchronization in multiagent systems with reaction delays and multiplicative noise*	**James Allen** *Social influence increases cooperation in the public goods game on networks*	**Domenico Tallarico** *On the coupling of shear and pressure waves in a triangular lattice elastic lattice containing tilted resonators*	**Carola-Bibiane Schönlieb** *Joint motion estimation and image reconstruction*
1500	**Matthew Russell** *Fluctuations in solute transport in a spatially disordered environment*			**Emilian Parau** *Numerical study of solitary wave propagation in a fragmented ice plate*					**Yulia Kyrychko** *Dynamics of neural systems with discrete and distributed delays*		**Michael Gomez** *Over-damped elastic `snap-through'*	**Giacomo Albi** *Mean-field control hierarchy*
1520	**Ben Goddard** *Dynamical density functional theory and hydrodynamic interactions in confined systems*	**Paul Bushby** *Simulating convectively-driven astrophysical dynamos*		**Harold Heorton** *The response of the sea ice edge to atmospheric and oceanic jet formation*	**Timothy Kinyanjui** *Vaccine induced herd immunity for control of RSV*	**C. John Chapman** *An asymptotic method for long waves in a curved layer*	**Davide Girolami** *Characterising the structure of multipartite correlations*	**Francesco Gargano** *Singular behaviour for regularised vortex sheet motion*	**Jan Sieber** *Normal forms in delay-differential equations with state-dependent delays*	**Belgin Seymenoglu** *Invariant manifolds of a model from population genetics*	**Robert Davey** *An efficient semi-analytical scheme for determining the reflection of Lamb waves in a semi-infinite waveguide*	**Huiling Le** *Smooth curve fitting to 3D shape data*
1540				**Richard Porter** *Wave interaction with floating ice sheets*					**Daniel Ward** *Mathematical modelling of lineage commitment of human hematopoietic progenitors in early erythroid culture*		**Vladyslav Danishevskyy** *Macroscopic dynamic models for periodically heterogeneous structures*	**Sofia Olhede** *Extracting rapidly-varying oscillations*
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** *Coupled sloshing in a 2-vessel system*	**Colin Cotter** *Discretising the action: from variational integrators to singular solutions of nonlinear PDEs*	**Andrew Croudace** *Unsteady flow of thixotropic fluid in a slowly varying pipe*	**Andrew Krause** *Analysis of lattice and continuum models of bioactive porous media*	**Adam Bridgewater** *Mathematical investigation of diabetically impaired ultradian oscillations in the glucose insulin regulation*	**Jean Reinaud** *Tripolar vortices in a two-layer quasi-geostrophic flow*	**Michele Bartuccelli** *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*	**Craig Gilmour** *Self-exciting point processes and their applications to crime data*	**Istvan Kiss** *Generalization of pairwise models to non-Markovian epidemics on networks*	**Kai Cao** *Inverse coefficient problems in heat transfer*
0920	**Dane Grundy** *Decay of solitary waves, a comparison between asymptotic and numerical results*		**Graham Benham** *Shear layers in channel flow*	**Ahmed Ismaeel** *Mathematical modelling of photothermal therapy*	**Matthew Bailey** *The hidden rhythm in the sleep patterns of the common vole*	**Sean Cleator** *Reconstructing ice-age palaeoclimates using model inversion and data interpolation*		**Naratip Santitissadeekorn** *Sequential data assimilation for urban crime models*	**Louise Dyson** *Household modelling of Yaws data indicates that case finding and contact tracing my be unsuccessful at disease eradication*	**Yujun Qiao** *Analysis of multiplicative regularisation for inverse problems*
0940	**Konstantin Ilin** *Free-surface waves on a vibrating fluid layer*	**John King H** *Stochastic blow up*	**Danyang Wang** *The energetics of flow in flexible channel*	**Niall McInerney** *A mathematical model of a thermoresponsive drug delivery device*	**James Preston** *Modelling the dynamics between pathogens and the immune system, with emphasis on EPEC*	**Yue-Kin Tsang** *Probabilistic parametrization of condensation in coarse-grained moisture transport models*	**Tao Wang** *Nonlinear stability of relativstic vortex sheets in two spatial dimensions*	**Sally Faulkner** *Geographic profiling in biology*	**Nakul Chitnis** *Mathematical modelling of the transmission dynamics of opisthorchis viverrini*	**Vladimir Turetsky** *On solvability of linear-quadratic differential game for a heat equation*
1000	**Mat Hunt** *Free surface flows in electrohydrodynamics with constant vorticity*	**Maxim Zyskin H** *Transformation groups and discrete structures in continuum description of defective crystals*	**Kevin Devine** *Oscillation mark formation in steel casting*	**Andrey Melnik** *Perspectives on constitutive models for soft tissues*	**Leo Turner** *Nonlinear dynamical system for prostate cancer cell transdifferentiation*	**William Booker** *Internal wave attractors in stratified fluids*		**Michael Tsardakas** *A data-driven approach to modelling serious and minor crime*	**Lara Gosce** *Modelling latent tuberculosis infection*	**Ferran Brosa Planella** *Instability in the self-similar motion of a planar solidification front*
1020	**Benjamin Aymard** *Multiphase flows in confinement with complex geometries*	**Francesco Giglio** *Integrable nematic liquid crystals*	**Edmund Chadwick** *Using drag Eulerlets*	**Xin Zhuan** *Coupled agent-based and FE modelling of left ventricle post myocardial infarction*	**Tim Hurst** *Approximating non-adiabatic transitions in two-dimensional quantum molecular dynamics*	**Usama Kadri** *Tsunami detection and mitigation*	**Marco Sammartino** *Vortex layers of small thickness*	**Rafael Prieto Curiel** *The concentration of victimisation and criminality*	**Michael Jeger** *Plant virus transmission pathways: the evolution of virulence and mutualism*	**Rudolf Kohulak** *Freeze-drying, Stefan problems and level set methods*
1040	**Matt Turner** *Time-dependent conformal mappings with applications to nonlinear sloshing problems*		**Thomas Ward** *Predicting the onset of high-frequency self-excited oscillations in a channel with an elastic wall*		**Philip Aston** *Feature extraction from a blood pressure signal based on attractor reconstruction*	**Stephen Griffiths** *The limiting form of symmetric instability in geophysical flows*		**Toby Davies** *Where next for the mathematical modelling of crime?*	**Ryan Sharp** *How a competing endemic pathogen strain affects the dynamics and control of an invading strain in a vegetatively propagated crop*	**Matthias Ehrhardt** *Faster PET reconstruction with a stochastic primal-dual hybrid gradient method*
1100	**Coffee in University Hall**									
1130	**Ingrid Daubechies (in Lecture Theatre, Rik Medlik Building)** *Surfing with wavelets*									
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** *Multilayer networks: a new framework for complex systems*	**Matthew Browning** *Magnetism and dissipation in global simulations of convective stars*	**Pietro Servini** *Roughing up wings: A promising technique in laminar flow control*	**Tuoi Vo** *Modelling drug elution from polymer-free drug-eluting stents with microporous surfaces and drug-filled stents*	**Michael Nieves** *Asymptotic analysis of solutions to transmission problems in solids with many inclusions*	**Hassan Alkhayuon** *Rate-induced tipping with periodic orbits*	**Christian Saemann** *How category theory simplified my life*	**Sam Tucker Harvey** *Experimental characterisation and modelling of an aeroelastic energy harvester*
1350	**Thilo Gross** *Master stability functions reveal diffusion driven instabilities in multilayer networks*		**Hui Xu** *Destabilisation and modification of Tollmien-Schlichting disturbances by a three dimensional surface indentation*	**Sara Frecentese** *Bloch waves in blood vessels with stents*	**Paolo Musolino** *A functional analytic approach for singular perturbation problems in perforated domains*	**Cezary Olszowiec** *Heteroclinic phenomena in the coupled replicator equations, a computer-assisted approach*		**Gevorg Hunanyan** *The security market line and short sale constraints*
1410	**Lucas Lacasa** *Identifying the hidden multiplex architecture of complex systems*	**Robert Kerr** *Trefoil knot reconnection and regularity*	**Rabeea Darghoth** *Investigating the possibility of using Oseen flow to model the boundary layer*	**Jessica Williams** *Mathematical modelling of ureteroscope irrigation*	**Ben Sloman** *Asymptotic analysis of a silicon furnace model*	**Thibaut Putelat** *Remote tactile surface texture sensing: from rats to robots*		**Francesca Grassetti** *Local and global dynamics in a discrete time growth model with VES production function*
1430	**Ayalvadi Ganesh** *Connectivity and colouring in random geometric graphs*		**Robert Whittaker** *Stability of a twisted plateau border with line tension and bending stiffness*	**Matthew Coleman** *Using dynamic flux balance analysis to predict non-steady state behaviour in continuous metabolic models*	**Bwebum Dang** *Complexity Asymptotics*	**Vitaly Fain** *Energy growth and scattering maps for a billiard inside a time-dependent symmetric domain close to an ellipse*	**Mathew Bullimore** *Supersymmetry and representation theory*	**Richard Burke** *Reduced-order approximation of consensus dynamics in networks with hybrid adaptive communication protocols*
1450		**Rainer Hollerbach** *A Taylor-Couette dynamo*	**Alex Doak** *Selection of axisymmetric bubbles in the limit of small surface tension*	**Anna Lambert** *Modelling cell heterogeneity using multi-dimensional population balance equations*	**Alan Champneys** *Demystifying the G-spot in contact mechanics*	**Denis Patterson** *Blow-up and asymptotic growth in Volterra equations*		**Srikanth Ravipati** *Computing contact angles from molecular dynamics simulations of nanodroplets*
1510			**Oliver Kerr** *The onset of double-diffusive convection with evolving background temperature gradients*	**Hao Gao** *Mathematical study of active contraction in myocyte and left ventricle from health to non-ischemic dysfunction*				**Carl Whitfield** *Hydrodynamic instabilities and pattern formation in active cholesterics*
1530	**Closing session and prize-giving (in Lecture Theatre, Rik Medlik Building)**							
1600	**Conference closes**							