

MONDAY 30 JUNE

11:00	Registration (Jeremy Bentham Room)						
14:00	Opening Welcome						
14:30	Plenary Speaker: Nick Trefethen 'Chebfuns: A New Kind of Numerical Computing (Christopher Ingold Auditorium)						
15:30	Tea/Coffee						
16:00	Minisymposia						Contributed Talks
	Christopher Ingold Auditorium <i>Energy</i>	Christopher Ingold Chemistry L.T. <i>Network Models and Algorithms</i>	Christopher Ingold Ramsey L.T. <i>Dynamical Systems Methods in Aerospace Engineering</i>	Drayton Jevons L.T. <i>The Social Life of Mathematics</i>	Drayton Ricardo L.T. <i>Operational Applications of Data Assimilation</i>	Harrie Massey L.T. <i>Medical Imaging: Electrical and Optimal Tomography</i>	South Wing Garwood L.T.
16:00	S. Fitzgerald <i>Models of Air Flow and Heat Transfer in Low Energy Buildings</i>	P. Key <i>Congestion aware multipath transport protocols in wired and wireless networks</i>	D. Rezgui <i>Application of Numerical Bifurcation Analysis to the Prediction of Autogyro Rotor Instabilities</i>	C. Bissell <i>What do engineers do when they (don't) do mathematics</i>	M. Fisher <i>Data assimilation in meteorology</i>	Y. Capdeboscq <i>A zero-Laplacian approach to impedance imaging</i>	A. Stewart <i>Two-layer shallow water equations with complete Coriolis force and topography</i>
16:20							S.L. Mitchell <i>Approximate solution methods for one-dimensional solidification from an incoming fluid</i>
16:30	S. D. Garvey <i>Integrated Compressed-Air Renewable Energy Systems</i>	A. Proutiere <i>Mobility in Wireless Networks: Puzzles and Opportunities</i>	J. Rankin <i>Nonlinear dynamics of aircraft ground handling</i>	Y. Solomon <i>Identity problems: relationships with mathematics in post-compulsory study</i>	R. Jaulmes <i>HNG: a framework for robot control using efficient data fusion</i>	H. Kang <i>A Method of Biological Tissues Elasticity Reconstruction Using Magnetic Resonance Elastography Measurements</i>	C.M. Cuesta <i>Stability analysis of infiltration fronts for a non-equilibrium Richards equation</i>
16:40							
17:00	A. Thyagaraja <i>Mathematical frontiers of thermonuclear fusion research</i>	P. Thiran <i>Reaching consensus about gossip: convergence times and costs</i>	B. Krauskopf <i>Geometric nonlinearities of aircraft systems</i>	H. Mendick <i>The cultural life of mathematics: the influence of media representations of mathematics and mathematicians on relationships with the subject</i>	R.N. Bannister <i>The role of balance in data assimilation</i>	J. K. Seo <i>Frequency-Difference Electrical Impedance Tomography (FDEIT)</i>	J. Choi <i>Supercritical Surface Gravity Waves Generated by a Positive Forcing</i>
17:20							A. Dumitrache <i>An algebraic turbulence model for compressible flow in turbomachinery cascade</i>
17:30	A. Farcas <i>CO2 sequestration and hydrocarbons: challenges for the future</i>	A.J. Ganesh <i>A model for infection spread on graphs</i>	E. Coetzee <i>Nonlinear Dynamics Applications in Civil Aerospace</i>	D. Shipworth <i>Models, mathematics and meaning in interdisciplinary research</i>	B. Bouriquet <i>Data assimilation in nuclear power plant core</i>	S. Arridge <i>Reconstruction Methods in Diffuse Optical Tomography</i>	M.P. Sørensen <i>Models of high-Tc superconductivity and applications to electric generators and motors</i>
17:40							
18:00	Opening Reception						