

Sunday 10th April 2022

1600 - 1845 Early Career Mathematicians "Icebreaker". Organised and run by the IMA (separate registration via the IMA)

Monday 11th April 2022

930 - 1020	Registration + Coffee	James France Exhibition area - James France Building
1020-1030	Welcome and introductions	EHB.1.04 - Edward Herbert Building
1030-1130	Stewartson memorial lecture - Professor Catherine Sulem FRSC	EHB.1.04 - Edward Herbert Building
1140-1240	Contributed talks in parallel sessions	Various
1240-1330	Lunch	James France Exhibition area - James France Building
1330-1530	Minisymposia in parallel sessions	Various
1530-1600	Coffee break	James France Exhibition area - James France Building
1600-1700	QJMAM lecture - Professor William Parnell	EHB.1.04 - Edward Herbert Building
1710-1810	Contributed talks in parallel sessions	Various
1810-	Posters + wine reception sponsored by Cambridge University Press	James France Exhibition area - James France Building

Tuesday 12th April 2022

900 - 1000	Plenary lecture - Professor Julia Yeomans FRS	EHB.1.04 - Edward Herbert Building
1000-1030	Coffee break	James France Exhibition area - James France Building
1030-1230	Contributed talks in parallel sessions	Various
1230-1330	Lunch	James France Exhibition area - James France Building
1330-1430	Public lecture - Dr Peter Husemeyer, and Panel Discussion	EHB.1.04 - Edward Herbert Building
1440-1540	Contributed talks in parallel sessions	Various
1540-1600	Coffee break	James France Exhibition area - James France Building
1600-1830	Minisymposia in parallel sessions	Various
1830-	Conference Dinner (separately registered for)	Burleigh Court

Wednesday 13th April 2022

900 - 1000	IMA Lighthill Lecture - Professor Helen Wilson	EHB.1.04 - Edward Herbert Building
1000-1030	Coffee break	James France Exhibition area - James France Building
1030-1230	Minisymposia in parallel sessions	Various
1230-1330	Lunch	James France Exhibition area - James France Building
1330-1430	Plenary lecture - Professor Alan Champneys	EHB.1.04 - Edward Herbert Building
1430-1500	Prizes, Handover and Closing ceremony	EHB.1.04 - Edward Herbert Building

Minisymposia on each day**Monday**

Decision making under uncertainty
 At the interface between analytical methods and high performance computing in fluid mechanics
 Ethics in Mathematics (I)
 Mathematical models of plant-soil interactions
 Nonlinear Surface and Internal Waves
 Advances and challenges in the modelling of multiscale, complex, and heterogeneous materials
 Mathematical Modelling in the Social Sciences

Tuesday

Ethics in Mathematics (II)
 Reservoir Computing and Dynamical Systems
 Mathematical modelling of biological oscillations
 Nonlinear Waves and Jets
 Wave Problems in Complex Continua
 Mathematics in microbiology
 Modelling the respiratory transmission of Covid-19
 Deep Learning and Inverse Problems

Wednesday

Mathematics of the eye
 Dispersive hydrodynamics and applications
 Mathematics in single-cell biology
 Applied Algebra and Geometry
 Inflammation and the Immune Response
 Smectic Fluids: Reduced Dimensionality/Increased Complexity
 Nonreversible processes: analysis and computations