

## Thursday 29 August

10:00 – 10:45	Registration	
10:45 – 11:00	Welcome by Head of School and by IMS President	
11:00 – 11:25	Peter Lynch & Michael Mackey (UCD)	<i>Counting sets with surnatural numbers</i>
11:30 – 11:55	Brendan Guilfoyle (MTU)	<i>Zeros of polynomials and isolated umbilic points</i>
12:00 – 12:50	<b>Claire Gormley (UCD)</b>	<i>Apposite statistical models for network data</i>
13:00 – 14:00	Lunch	
14:00 – 14:50	<b>Martin Bridson (Oxford)</b>	<i>Soap films, snowflake discs and annuli: the geometry of decision problems in group theory</i>
15:00 – 15:25	Michael McAuley (TUD)	<i>Geometry of Gaussian fields</i>
15:30 – 16:00	Coffee Break (and access to posters)	
16:00 – 16:50	Pauline Mellon (UCD) & Ray Ryan (UG)	<i>Sean Dineen remembered</i>
17:00 – 19:00	Committee Meeting (in MAPTC 02.002)	
19:30	Conference Dinner	

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All talks in MAPTC 0G.017.

## Friday 30 August

9:30 – 9:55	Richard J. Smith (UCD)	<i>The extreme point problem in Lipschitz-free spaces</i>
10:00 – 10:50	<b>Silvia Sabatini (Cologne)</b>	<i>Positive monotone symplectic manifolds with symmetries</i>
11:00 – 11:30	Coffee Break (and access to posters)	
11:30 – 11:55	Joshua Maglione (UG)	<i>Igusa zeta functions and hyperplane arrangements</i>
12:00 – 12:25	Oisín Flynn-Connolly (Paris Nord)	<i>Higher invariants in homotopy theory</i>
12:30 – 14:00	AGM (Sandwich Lunch provided)	
14:00 – 14:50	<b>Miguel Bustamante (UCD)</b>	<i>Open problems on the dynamics of nonlinear resonant wave systems: from FPUT recurrence to gravity water waves, atmospheric waves and millennia-long solar cycles</i>
15:00 – 15:25	Yingshen Xu (UCD) *: <i>Singularity of bounded vortex-stretching fluid under rotational symmetry</i>	
	Fintan Hegarty (UG) **: <i>Mathematics for content-based language learning</i>	
15:30 – 16:00	Coffee Break (and access to posters)	
16:00 – 16:25	Gabor Kiss (QUB) *: <i>Timely testing and treatment in Gonorrhoea control: Insights from mathematical modelling</i>	
	Andrew D. Smith (UCD) **: <i>Spirals in spaces of holomorphic functions</i>	
16:30 – 16:55	Padraig Ó Catháin (DCU) *: <i>Monomial representations and complex Hadamard matrices</i>	
	Patrick Browne (TUS) **: <i>Erdős-Ko-Rado type problems in root systems</i>	
17:00	Conference Closure	

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\* In MAPTC 0G.017. \*\* In MAPTC 0G.005