

Polyhedral Products: a Path Between Homotopy Theory and Geometric Group Theory

Monday 5 – Friday 9 June 2023

The programme is subject to change. All times are British Summer Time (BST).

MONDAY 5 JUNE 2023	
09.00 - 09.50	Registration and Refreshments
09.50 - 10.00	Welcome and Housekeeping
10.00 - 10.50	Michael Davis , Ohio State University <i>Graph products and related groups</i>
11.00 - 11.30	Refreshments
11.30 - 12.00	Vladimir Vankov , University of Bristol <i>Bestvina-Brady groups and generalisations</i>
12.00 - 14.00	Lunch
14.00 - 14.50	Alexandre Martin , Heriot-Watt University <i>Graph products, Artin groups, and their related geometry</i>
15.00 - 15.30	Refreshments
15.30 - 17.00	Discussions
17.00	Welcome Reception, hosted at ICMS

TUESDAY 6 JUNE 2023	
10.00 - 10.50	Mark Grant , University of Aberdeen <i>Equivariantly aspherical presentations</i>
11.00 - 11.30	Refreshments
11.30 - 12.00	Abigail Linton , NTNU <i>The cohomology of partial quotients</i>
12.00 - 14.00	Lunch
14.00 - 14.30	Steven Amelotte , University of Western Ontario <i>Equivariant formality of torus actions on moment-angle complexes</i>
15.00 - 15.30	Refreshments
15.30 - 17.30	Problem Session
18.00	Public Lecture, hosted in G.03 (ground floor) Ruth Charney , Brandeis University <i>From Braid Groups to Artin Groups</i>

WEDNESDAY 7 JUNE 2023	
10.00 - 10.50	Rachael Boyd , University of Glasgow <i>Embedding spaces of links</i>
11.00 - 11.20	Refreshments
11.20 - 12.10	Ian Hambleton , McMaster University <i>Finite Group Actions and Chain Complexes over the Orbit Category</i>
12.10	Lunch and Free Afternoon

THURSDAY 8 JUNE 2023	
10.00 - 10.50	Sarah Whithouse , University of Sheffield <i>Homotopy theory and spectral sequences</i>
11.00 - 11.30	Refreshments
11.30 - 12.00	Xin Fu , Beijing Institute of Mathematical Sciences And Applications <i>Integral cohomology rings of four-dimensional toric orbifolds</i>
12.00 - 14.00	Lunch
14.00 - 14.30	Lary So , University of Western Ontario <i>Weighted polyhedral products and Steenrod's problem</i>
14.30 - 15.00	Refreshments
15.00 - 16.00	Clay Lecture: Alejandro Adem , University of British Columbia (via Zoom) <i>Minimal Euler Characteristics for Even-Dimensional Manifolds with A Given Fundamental Group</i>
16.00 - 18.00	Problem Session
19.00	Workshop Dinner, hosted at Blonde Restaurant <i>75 St. Leonard's Street, Edinburgh EH8 7QR</i>

FRIDAY 9 JUNE 2023	
10.00 - 10.50	Conchita Martínez Pérez , Universidad de Zaragoza <i>Sigma invariants and Artin groups</i>
11.00 - 11.30	Refreshments
11.30 - 12.00	Naomi Andrew , University of Oxford <i>Centralisers in $Out(F_n)$</i>
12.00	Lunch and End of Workshop