

## Reports of Sponsored Meetings

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Report received of a sponsored meeting held in 2022:

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GROUPS IN GALWAY MEETS THE IRISH GEOMETRY CONFERENCE 2022  
MAY 18–20, 2022, NUI GALWAY

The first joint meeting of *Groups in Galway* and the *Irish Geometry Conference* took place at NUI Galway from 18–20 May 2022. The meeting was organised by John Burns, Angela Carnevale, Martin Kerin, and Tobias Rossmann (all from NUI Galway). There were 14 talks (11 in person, 3 given remotely) spread over three days. A poster session took place on Thursday afternoon. Over 50 people attended the meeting.

Speakers and talks:

- Sahana Balasubramanya (University of Münster): *Actions of solvable groups on hyperbolic spaces*
- Peter Brooksbank (Bucknell University): *Computing intersections of classical groups*
- Marston Conder (University of Auckland): *Distinguishing triangle groups by their finite quotients*
- James Cruickshank (NUI Galway): *Symmetric pseudo-triangulations and contact graphs*
- Viveka Erlandsson (University of Bristol): *Dihedral subgroups of lattices in  $\mathrm{PSL}(2, \mathbb{R})$*
- Brendan Guilfoyle (Munster Technological University): *The failure of geometry in dimension 4*
- Lee Kennard (Syracuse University): *Graph systoles and torus representations*
- Ilaria Mondello (Paris-East Créteil University): *Gromov-Hausdorff limits of manifolds with a Kato bound on the Ricci curvature*
- Lucia Morotti (Leibniz University Hannover): *Homogeneous reductions of spin representations*
- Marco Radeschi (University of Notre Dame): *Invariant theory without groups*
- Krishnan Shankar (University of Oklahoma / NSF): *Growth competitions in non-positive curvature*
- Mima Stanojkovski (RWTH Aachen University / MPI for Mathematics in the Sciences Leipzig): *Automorphisms and isomorphism testing of elliptic groups*
- James B. Wilson (Colorado State University): *Counting in Groups by Coordinatizing Geometries*
- David Wraith (Maynooth University): *Intermediate curvatures: what are they and why should you care?*

The conference website <https://torossmann.github.io/ggg22/> contains abstracts of the talks and further information.

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