

Geometry and Algebra of Orbifolds and the McKay Correspondence

Monday 9 - Saturday 14 August 2010

Organisers: Timothy Logvinenko and Miles Reid

All talks in Room **B3.02** Mathematics Institute

Monday 9 August

11:00 - 12:00

12:00 - 14:00

14:00 - 15:00

15:00 - 16:00

16:00 - 17:00

18:00 - 20:00

Oskar Kędzierski (Warsaw)

Alvaro Nolla (Nagoya)

Registration (coffee available in Mathematics Institute Common Room 10:00 - 11:30)

Lunch break

Danilov Resolution and Moduli of McKay Quiver Representations

Tea in Mathematics Institute Common Room

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Drinks and snacks in Mathematics Institute Common room

Tuesday 10 August

10:00 - 11:00

11:00 - 11:30

11:30 - 12:30

12:30 - 14:00

14:00 - 15:00

15:00 - 15:30

15:30 - 16:30

17:00 - 18:00

Markus Perling (Bochum)

Raf Bocklandt (Newcastle)

Diane Maclagan (Warwick)

Alastair Crow (Glasgow)

Alessio Corti (Imperial)

TBA

Coffee in Mathematics Institute Common Room

Noncommutative Toric Crepant Resolutions

Lunch in Mathematics Institute Common Room

Nice Multigraded Hilbert Schemes

Tea in Mathematics Institute Common Room

Cellular Resolutions of Toric Algebras from Superpotentials

Minkowski Polynomials and Fano 3-folds

Wednesday 11 August

10:00 - 11:00

11:00 - 11:30

11:30 - 12:30

12:30 - 14:00

14:00

Nathan Broomhead (Hannover)

Timothy Logvinenko (Warwick)

Autoequivalences of Toric Surfaces

Coffee in Mathematics Institute Common Room

Towards Derived McKay Equivalences in Dimension 4

Lunch break

Excursion to Stratford upon Avon

Thursday 12 August

10:00 - 11:00

11:00 - 11:30

11:30 - 12:30

12:30 - 14:00

14:00 - 15:00

15:00 - 16:00

16:00 - 17:00

19:00/19:30

Elena Andreini (SISSA)

Yuhi Sekiya (Nagoya)

Yukari Ito (Nagoya)

Akira Ishii (Hiroshima)

TBA

Coffee in Mathematics Institute Common Room

Kleinian Singularities and Tilting Modules over Preprojective Algebras

Lunch break

Toroidal Resolution for Non-abelian Quotient Singularities

Tea in Mathematics Institute Common Room

Special McKay Correspondence and Universal Localisation

Conference dinner at Radcliffe House

Friday 13 August

10:00 - 11:00

11:00 - 11:30

11:30 - 12:30

12:30 - 14:00

14:00 - 15:00

15:00 - 15:30

15:30 - 16:30

17:00 - 18:00

Anita Buckley (Ljubljana)

Barbara Fantechi (SISSA)

Fabio Nironi (Columbia)

Ryo Ohkawa (TITech)

David Ploog (Hannover)

Orbifold Riemann-Roch and Hilbert Series

Coffee in Mathematics Institute Common Room

TBA

Lunch in Mathematics Institute Common Room

TBA

Tea in Mathematics Institute Common Room

Flips of Moduli of Stable Torsion-free Sheaves on \mathbf{P}^2 with $c_1=1$

Equivariant Fourier-Mukai Transforms and Hilbert Schemes

Saturday 14 August

10:00 - 11:00

11:00 - 11:30

11:30 - 12:30

Tarig Abdel Gadir (Glasgow)

Mark Blume (Münster)

Quivers of Sections on Toric DM Stacks

Coffee Break

TBA

For further information please see:

go.warwick.ac.uk/mathsevents

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