

Final Program

NIKOLAUS CONFERENCE 2014

(Lehrstuhl D für Mathematik, RWTH Aachen)

The talks have been in Pontdriesch 14/16 in Hörsaal SeMath (008). Meeting point and coffee breaks were at Lehrstuhl D, first floor (German counting) in the same building.

Friday, December 5, 2014

- 2.01–2.21pm **Richard Parker** (Cambridge): *High Performance Software in 2015*
2.36–2.54pm **Eirini Chavli** (Paris): *The BMR Freeness Conjecture: The Tetrahedral and Octahedral Families*
- coffee and discussion**
- 4.40–4.59pm **Mikael Cavallin** (Lausanne): *Branching Problems for Representations of Simple Algebraic Groups*
5.10–5.28pm **Jay Taylor** (Lausanne) *Inducing Characters of Weyl Groups*
5.42–5.59pm **David Denoncin** (Paris): *Unitriangularity of the Decomposition Matrix of Finite Special Unitary Groups*
- 7.00pm–?? **Research Cambridge Style!** (in the restaurant Pontgarten, Pontstraße 154)

Saturday, December 6, 2014 (Nikolaus!)

- 10.00–10.20am **Stefan Kohl** (Stuttgart): *What do Thompson's Group V and the Collatz Conjecture have in Common?*
10.30–10.51am **Caroline Lassueur** (Kaiserslautern): *On Character Theory for Endo-Trivial Modules*
11.00–11.20am **Gunter Malle** (Kaiserslautern): *Zeros of Characters of Simple Groups*
11.31–11.53am **Kay Magaard** (Birmingham): *The Lift Invariant and the Conway-Parker Theorem*
- lunch break**
- 1.31–1.48pm **Anna Gąsior** (Lublin): *Spin-Structure on Real Bott Manifolds*
2.00–2.16pm **Farzaneh Gholaminezhad** (Halle): *The G -Graphs and the Hamiltonian Cayley Graphs*
2.30–2.46pm **Dung Duong** (Bielefeld): *Representation Growth of Nilpotent Groups*
3.00–3.20pm **Rafał Lutowski** (Gdańsk): *Irreducible Euclidean Representations of the Fibonacci Groups*
- coffee and discussion**
- 4.40–5.01pm **Baptiste Rognerud** (Lausanne): *Symmetry of the Mackey Algebra*
5.10–5.33pm **Christopher Jefferson** (St Andrews): *Finding Canonical Images in Permutation Groups*
5.40–6.00pm **Karen Petrie** (Dundee): *Why is Computational Group Theory Important to Constraint Programming?*
- 7.00pm–?? **Research Cambridge Style!** (in the "Labyrinth", of course)

Anyone was welcome to attend the talks.

Frank Lübeck