

Final Program

NIKOLAUS CONFERENCE 2018

(Lehrstuhl D für Mathematik, RWTH Aachen)

All talks were 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.

Times for the talks are in LRLT (Lecture room local time, UTC +01:01).

Friday, December 7, 2018

- 2.00–2.20pm **Ivan Marin** (Amiens): *Generalized Brauer Algebras*
2.30–2.46pm **Tobias Moede** (Braunschweig): *Searching for New Simple Lie Algebras in Small Characteristic*
3.00–3.22pm **Jonas Hetz** (Stuttgart): *On the Values of Unipotent Characters of Finite Chevalley Groups of Type E_6 in characteristic 3*
(coffee and discussion)
4.40–5.00pm **Reda Chaneb** (Paris): *Counting Unipotent Brauer Characters in Finite Reductive Groups*
5.10–5.30pm **Ruwen Hollenbach** (Kaiserslautern): *Quasi-Isolated Blocks of Finite Groups of Lie Type*
5.40–5.59pm **Emily Norton** (Bonn): *Do Finite Groups of Lie Type and Cherednik Algebras Speak to Each Other?*
7.00pm–?? **Research** Cambridge Style! (in the Pontgarten, Pontstraße 154)

Saturday, December 8, 2018

- 09.41–09.58am **Farrokh Shirjian** (Tehran/Amiens): *Finite Reductive Groups and their Complex Group Algebras*
10.10–10.29am **Farideh Shafiei** (Tehran/Amiens): *Estimating Structure of Finite Groups from their Irreducible Character Degrees*
10.40–10.59am **Eirini Chavli** (Stuttgart): *Two Fundamental Conjectures on the Structure of Hecke Algebras. Part I: The BMR*
11.10–11.31am **Maria Chlouveraki** (Versailles): *Two Fundamental Conjectures on the Structure of Hecke Algebras. Part II: The BMM*
11.40–12.03am **Georges Neaime** (Bielefeld): *Towards the Linearity of the Complex Braid Groups*
(lunch break)
1.30–1.54pm **Cheryl Praeger** (Perth): *Complexity of Bray's Involution Centraliser Algorithm for Classical Groups in Odd Characteristic*
2.00–2.23pm **Wilf Wilson** (Halle): *Computing Generating Sets for Direct Products of Finite Semigroups*
2.30–2.53pm **Rekha Biswal** (Bonn): *Affine Structure and Tableaux Models for E_7 Crystals*
3.00–3.18pm **Mun See Chang** (St Andrews): *Computing Normalisers of Highly Intransitive Permutation Groups*
(coffee and discussion)
4.40–4.59pm **Xenia Flamm** (Bonn): *Homology of Finite Covers of Graphs*
5.10–5.31pm **Alexander Hulpke** (Fort Collins): *Towards a Nonsolvable Quotient Algorithm*
5.42–6.02pm **Madeleine Whybrow** (Kaiserslautern): *An Infinite Family of Axial Algebras*
7.00pm–?? **Research** Cambridge Style! (in the "Labyrinth", of course)

Anyone was welcome to attend the talks.

Frank Lübeck