

Final Program

NIKOLAUS CONFERENCE 2010

(Lehrstuhl D für Mathematik, RWTH Aachen)

The first talks on Friday were in [Hörsaal Fo6](#) (Kármán Auditorium). The talks on Friday after the coffee break were given in the *Hauptgebäude*, Templergraben 55, [Hörsaal IV](#). And all talks on Saturday were also in the *Hauptgebäude*, but in [Hörsaal III](#). Meeting point and coffee breaks were at Lehrstuhl D, Templergraben 64.

Friday, December 10, 2010

- 2.00–2.26pm **Tara Brough*** (Kiel): *Soluble Poly-Context-Free Groups*
2.30–2.49pm **Richard Parker** (Cambridge): *Parole Groups—a Generalization of Free Groups* (slides)
coffee and discussion
4.40–5.00pm **Jérémie Guilhot** (East Anglia): *Affine Cellularity of Affine Hecke Algebras of Rank 2*
5.10–5.32pm **Ivan Marin** (Paris): *An Almost-Collapsing Cubic Hecke Algebra*
5.40–6.01pm **Gunter Malle** (Kaiserslautern): *The Largest Irreducible Representations of Simple Groups* (preprint)
7.00pm–??[×] **Research** Cambridge Style! (in the restaurant [Viet](#), Schildstraße 2)

Saturday, December 11, 2010

- 10.02–10.18am **David Husert** (Paderborn): *Integral Similarity of Rational Matrices* (slides)
10.30–10.49am **Torsten Hoge** (Bochum): *Computation of the Ring of Invariants of Triples of 3×3 -Matrices* (slides)
11.01–11.21am **Nicolas M. Thiéry** (Paris): *Sage-Combinat: Sharing (Algebraic) Combinatorics Since 2000* (wiki)
11.30–11.50am **Felix Effenberger and Jonathan Spreer** (Stuttgart): *simpcomp – A GAP Toolbox for Simplicial Complexes* (ext.abstract) (webpage)
lunch break
1.34–1.51pm **Matthew Clarke*** (Cambridge): *Computing Nilpotent and Unipotent Canonical Forms: a Symmetric Approach* (preprint)
2.10–2.32pm **Michael Cuntz*** (Kaiserslautern): *Crystallographic Arrangements are Inductively Free* (webpage) (slides)
2.40–3.02pm **Jay Taylor** (Aberdeen/Aachen): *Unipotent Supports in Finite Reductive Groups* (notes)
3.07–3.29pm **Thanh Tung Vo** (Jena): *The Computation of Steenrod Operations on mod- p Cohomology Rings of Finite Groups*
coffee and discussion
4.41–5.01pm **Lukas Maas** (Essen): *Decomposition Matrices for Spin Characters of Symmetric and Alternating Groups* (slides)
5.10–5.26pm **Benjamin Sambale** (Jena): *Cartan Matrices and Brauer’s $k(B)$ -Conjecture* (slides)
5.40–5.59pm **Jørn B. Olsson** (Copenhagen): *Generalized Hook Lengths in Symbols and Partitions* (slides)
7.00pm–??[×] **Research** Cambridge Style! (in the "Labyrinth")

Anyone was welcome to attend the talks.

Frank Lübeck

(* have solved Nikolaus game)
([×] undisclosed)