

Final Program

DARSTELLUNGSTHEORIETAGE/NIKOLAUS CONFERENCE 2005

(Lehrstuhl D für Mathematik, RWTH Aachen)

All talks were in the *Hauptgebäude*, Templergraben 55: On Friday morning in *Hörsaal III* and all the others in *Hörsaal IV*. Coffee breaks were at Lehrstuhl D, Templergraben 64, 2nd floor.

Thursday, December 8, 2005

- 1.31–2.00pm **Steffen Oppermann** (Köln): *Auslander-Reiten theory of representation-directed Artinian rings*
- 2.10–2.31pm **Mark Stather** (Warwick): *Constructing and conjugating the Sylow p -subgroups of the classical groups*
- coffee break**
- 3.30–4.22pm **Richard Dipper** (Stuttgart): *Rank polynomials and Specht modules for general linear groups*
- 4.30–5.04pm **Friederike Stoll** (Stuttgart): *Oriented tangles and the mixed tensor representation*
- 5.11–5.32pm **Daniel Juteau** (Paris): *Springer correspondance modulo l*
- 5.42–5.59pm **Richard Parker** (Cambridge): *High-performance meat-axe*
- 7.30pm–??¹ **Conference Dinner** (in “Limburger Hof”, Templergraben 42)

Friday, December 9, 2005

- 8.40–9.20am **Gunter Malle** (Kaiserslautern): *Heights of characters in groups of Lie type*
- 9.40–10.01am **Britta Späth** (Kaiserslautern): *Characters of tori and their extensions*
- 10.15–10.55am² **Michael Cuntz** (Kaiserslautern): *Based rings and Fourier transform matrices*
- 11.05–11.23am **Jean-Baptiste Gramain** (Aberdeen): *Blocks of unipotent characters in the finite general linear group*
- 11.36–12.01am **Harald Meyer** (Bayreuth): *On a subalgebra of the centre of a group ring II*
- lunch break**
- 1.52–2.15pm **Marcus Bishop** (Lausanne): *Group cohomology and Massey products in GAP*
- 2.25–2.43pm **Dörte Feichtenschlager** (Braunschweig): *On CF space groups of a given coclass*
- coffee and discussion**
(approx. 3.15–4.15pm there was a talk in the “Graduiertenkolleg”)
- 4.30–4.50pm **Andreas Distler** (Braunschweig): *Solving a polynomial equation by radical*
- 4.59–5.17pm **Jean Michel** (Paris): *Hurwitz action on tuples of Euclidean reflections*
- 5.30–5.47pm **Henrik Bäärnhielm** (London): *Computing with some exceptional groups*
(no “official” evening program)

Saturday, December 11, 2004

- 10.01–10.21am **Stefan Kohl** (Stuttgart): *On a class of infinite permutation groups*
10.30–10.45am **Michael Claßen-Houben** (Aachen): *Unipotent characters in GAP character tables of finite groups of Lie type*
11.00–11.14am **Sarah Scherotzke** (Aachen): *Structure of finite-dimensional Hopf algebras*
11.30–11.50am **Jürgen Klüners** (Kassel): *Generating subfields*
- lunch break**
- 2.13–2.29pm **Janka Pilnikova** (Linz): *Splitting central simple algebras of degree 4*
2.41–3.04pm² **Willem de Graaf** (Trento): *Classification of 6-dimensional nilpotent Lie algebras over fields of characteristic not 2*
3.13–3.35pm **Jürgen Müller** (Siegen): *On p -groups forming Brauer pairs*
- coffee break**
- 4.30–4.50pm **Colva M. Roney-Dougal** (St Andrews): *Identifying geometries preserved by matrix groups*
5.00–5.25pm **Björn Assmann** (St Andrews): *Algorithmic use of the Mal'cev correspondence*
5.30–5.52pm² **John Bray** (London): *Symmetric presentations of some Leech lattice groups*
7.00pm–??¹ **Research** Cambridge Style! (in the “Labyrinth”!)

Anyone was welcome to attend the talks.

[Frank Lübeck](#)

¹ Come next year to see yourself!

² Solved Nikolaus game and was allowed to speak five minutes over the scheduled time.