

# Final Program

Nikolaus Conference 2000

Darstellungstheorie-Tage 2000

(Lehrstuhl D für Mathematik, RWTH Aachen)

## Thursday, December 7, 2000

2.01–2.32pm *Thomas Breuer (Aachen)*: Computing Character Tables in the 21st Century (R220)

2.40–3.10pm *Wolfgang Lempken (Essen)*: Linear Groups with a Special Class of Fixed Point Free Elements (R220)

### coffee and discussion

4.30–5.06pm *Marcos Soriano (Stuttgart)*: A Theorem on Extension Groups of Specht Modules for Type  $A$  Hecke Orders (Be225)

5.10–5.39pm *Jean Michel (Paris)*: Symmetric Braids (Be225)

7.00pm–?<sup>1</sup> *Research Cambridge Style!* (Dinner in “Agora”, Greek kitchen)

## Friday, December 8, 2000 (morning talks in EA, afternoon talks AS, except 3.15pm)

10.05–10.35am *Lacri Iancu (Lyon)*: Markov Traces and Generic Degrees in Type  $B_n$

10.40–11.03am *Joachim Simon (Stuttgart)*: On a New Proof of Tits’ Deformation Theorem

11.18–11.54am *Gunter Malle (Kassel)*: Irreducibility of Symmetric and Alternating Squares

### lunch break

2.15–2.47pm *Martin Hertweck (Stuttgart)*: Units of  $p$ -Power Order in Principal Blocks of  $p$ -Constrained Groups

### coffee break (Graduiertenkolleg)

3.15–4.15pm *Meinolf Geck (Lyon)*: An Application of GAP to Algebraic Groups over Finite Fields (talk in the ‘Graduiertenkolleg’ seminar, Hörsaal IV)

4.51–5.20pm *Sungsoon Kim (Paris)*: On the Blocks of the Cyclotomic Hecke Algebras of the Complex Reflection Group  $G(d, 1, r)$

5.31–6.08pm *Frank Lübeck (Aachen)*: Small Degree Representations of Finite Chevalley Groups in Defining Characteristic

7.00pm–?<sup>1</sup> *Research Cambridge Style!* (in the “Labyrinth”)

## Saturday, December 9, 2000 (all talks in AS)

10.03–10.32am *Harald Weber (Stuttgart)*: Structure of the Integral Group Ring for a Series of  $p$ -Groups

10.40–11.10am *Bettina Eick (Kassel)*: The Orbit-Stabilizer Problem for Polycyclic Groups

11.20–11.45am *Stefan Kohl (Stuttgart)*: Number of Orbits of Simple Groups under Automorphisms

### lunch break

2.02–2.30pm *Burkhard Külshammer (Jena)*: Blocks with Abelian Defect Groups

2.40–3.18pm *Götz Pfeiffer (Galway)*: Implementing Character Tables of Reflection Groups

3.24–3.55pm *Rob Wilson (Birmingham)*: New Computations in the Monster

### coffee, discussion, ... — open end

Anyone was welcome to attend the talks.

Frank Lübeck

<sup>1</sup> Come next year to find out yourself!