

# Schedule

Conference: *Arithmetic of Group Rings and Related Objects*  
Monday, March 22 - Friday, March 26

## Monday (In the lecture hall “Hörsaal IV”)

- 14.00 **Sudarshan Sehgal (University of Alberta):**  
Construction of units in  $\mathbb{Z}G$
- 15.00 *Coffee*
- 16.00 **Ernesto Spinelli (University of Salento):**  
Nilpotency of group ring units symmetric with respect to an involution
- 16.30 **Gurmeet Kaur Bakshi (Panjab University):**  
Primitive central idempotents in rational group algebras
- 17.00- **Florian Eisele (RWTH Aachen):**
- 17.30 Defect two blocks of symmetric groups over the  $p$ -adic integers

## Tuesday (In the lecture hall “MS”)

- 9.15 **Eli Aljadeff (Technion):**  
Subgroup induction for infinite group rings
- 10.15 **Yuanlin Li (Brock University):**  
Duo Group Rings
- 10.45 **Andreas Bächle (Universität Stuttgart):**  
Torsion subgroups in  $V(\mathbb{Z}G)$
- 11.15 **Salvatore Siciliano (University of Salento):**  
Lie algebra of skew symmetric elements of an enveloping algebra
- 11.45 *Lunch break*
- 14.00 **Burkhard Külshammer (Friedrich-Schiller-Universität Jena):**  
The ring of monomial representations
- 15.00 *Coffee*
- 16.00 **Alexander Konovalov (University of St. Andrews):**  
Tools for computer investigations of unit groups of modular group algebras
- 16.30 **Zsolt Balogh (University College of Nyiregyhaza):**  
Nilpotency indices of symmetric elements of group algebras
- 17.00 Problem session I

## Wednesday (In the lecture hall “Hörsaal IV”)

- 9.15 **Jan Okninski (University of Warsaw):**  
Finitely presented algebras defined by homogeneous semigroup relation
- 10.15 **Ángel del Río (Universidad de Murcia):**  
Bass cyclic units as factors in free groups
- 11.15- **Cesar Polcino Milies (University of São Paulo):**
- 11.45 On semisimple group codes

*Free afternoon*

## Thursday (In the lecture hall “MS”)

- 9.15 **Burkhard Külshammer (Friedrich-Schiller-Universität Jena):**  
The trivial source ring of a finite group
- 10.15 **Eric Jespers (Vrije Universiteit Brussel):**  
Rational group algebras of finite groups: from idempotents to units of integral group rings
- 10.45 **Gabriele Nebe (RWTH Aachen):**  
Recognition of division algebras
- 11.15 **Adalbert Bovdi (University of Debrecen):**  
Lie properties of crossed products
- 11.45 *Lunch break*
- 14.00 **Eli Aljadeff (Technion):**  
On the codimension growth of  $G$ -graded algebras
- 15.00 *Coffee*
- 16.00 **Victor Bovdi (University of Debrecen):**  
Unit group of group rings
- 16.30 **Matthias Nagl (Universität Stuttgart):**  
Isomorphisms of group algebras of almost simple groups
- 17.00 Problem session II

## Friday (In the lecture hall “Hörsaal IV”)

- 9.15 **Ángel del Río (Universidad de Murcia):**  
Some classes of correcting codes with ideal group ring structure
- 10.15 **Jan Jongen (RWTH Aachen):**  
 $\mathbb{Q}$ -forms and the theory of central simple  $G$ -algebras
- 10.45 **Wolfgang Kimmerle (Universität Stuttgart):**  
Isomorphisms of Burnside rings and arithmetic properties of finite groups
- 11.15 *End of the conference*