

PROGRAM OF THE CONFERENCE  
**Advances in Group Theory and Applications 2013**  
PORTO CESAREO (LE), JUNE 10-14, 2013

**Monday, June 10**

- 08:45 *Opening* - by the Scientific and Organizing Committees  
Chairman: O.H. Kegel
- 09:00–10:00 Adolfo Ballester Bolinches, *Subgroup embedding properties and the structure of finite groups - I*
- 10:00–11:00 Eli Aljadeff, *Gradings on associative algebras, polynomial identities and generic constructions - I*
- 11:00–11:30 Coffee break
- 11:30–12:30 Wolfgang Rump, *The brace of a classic group*
- 13:00 Lunch  
Chairman: T. Weigel
- 15:00–16:00 Ángel del Río, *The structure of the group of units of an integral group ring of finite group - I*
- 16:00–17:00 Cristina Draper Fontanals, *Maximal abelian diagonalizable subgroups of the exceptional groups*
- 17:00–17:30 Coffee break
- 17:30–17:50 Francesca Dalla Volta, *Incidence matrices, invariant factors and orbits of a permutation group*
- 17:50–18:10 Marco Trombetti, *Looking at infinite groups through the mirror of their conjugacy classes*
- 18:10–18:30 Feride Kuzucuoglu, *The automorphism group of some matrix ring*
- 18:30–18:50 Victor Bovdi, *Symmetric units and group identities in group algebras*
- 18:50–19:10 Maurizio Meriano, *On certain weak Engel-type conditions in groups*
- 19:10–19:30 Valerio Guido, *Weyl groups of fine gradings on  $\mathfrak{e}_6$*

**Tuesday, June 11**

- Chairman: B. Amberg
- 09:00–10:00 Eli Aljadeff, *Gradings on associative algebras, polynomial identities and generic constructions - II*

- 10:00–11:00 Ángel del Río, *The structure of the group of units of an integral group ring of finite group - II*
- 11:00–11:30 Coffee break
- 11:30–11:50 Jairo Z. Goncalves, *On Lewin's problem*
- 11:50–12:10 Cesar Polcino Milies, *Jordan Nilpotency in Group Rings*
- 12:10–12:30 Carmen Musella, *Groups with large systems of normal subgroups*
- 13:00 Lunch
- Chairwoman: M. Maj
- 15:00–16:00 Adolfo Ballester Bolinches, *Subgroup embedding properties and the structure of finite groups - II*
- 16:00–16:20 Francesco de Giovanni, *Locally finite groups whose subgroups have finite normal oscillation*
- 16:20–16:40 Francesca Spagnuolo, *On the  $p$ -length of hyperfinite groups*
- 16:40–17:00 Mohamed A. Salim, *On the unit group of a commutative group ring*
- 17:00–17:30 Coffee break
- 17:30–17:50 Ramon Esteban Romero, *Maximal subgroups of finite groups and Sylow permutability*
- 17:50–18:10 Nadir Trabelsi, *On certain applications of the Khukhro-Makarenko theorem*
- 18:10–18:30 Martino Borello, *Automorphisms of extremal self-dual codes*
- 18:30–18:50 Vicente Perez Calabuig, *On  $\mathbf{H}$ -kernels of finite semigroups*
- 18:50–19:10 Antonio Tortora, *On locally graded groups with a word whose values are Engel*
- 19:10–19:30 Paula Murgel Veloso, *Cleanness of group algebras*

### Wednesday, June 12

Chairman: C. Polcino Milies

- 09:00–10:00 Patrizia Longobardi, *Some inverse problems in group theory*
- 10:00–11:00 Otto H. Kegel, *LARGE GROUPS*
- 11:00–11:30 Coffee break
- 11:30–12:30 Hermann Heineken, *Groups with partition by their centralizers*
- 13:00 Lunch
- 15:00 Trip

### Thursday, June 13

Chairman: O. Di Vincenzo

09:00–10:00 Ángel del Río, *The structure of the group of units of an integral group ring of finite group - III*

10:00–11:00 Adolfo Ballester Bolinches, *Subgroup embedding properties and the structure of finite groups - III*

11:00–11:30 Coffee break

11:30–12:30 Eli Aljadeff, *Gradings on associative algebras, polynomial identities and generic constructions - III*

13:00 Lunch

Chairman: A. Caranti

15:00–16:00 Bernard Amberg, *Products of groups which contain abelian subgroups of finite index*

16:00–17:00 Antonino Giambruno, *Codimensions of algebras and their growth*

17:00–17:30 Coffee break

17:30–17:50 Roberto La Scala, *Letterplace approach to (group) algebra*

17:50–18:10 Masoud Chaboksavar, *On groups with given absolute central factor group*

18:10–18:30 Maria De Falco, *Groups with finiteness conditions on subgroups of infinite rank*

18:30–18:50 Daniela La Mattina, *Varieties of algebras of polynomial growth*

18:50–19:10 Paolo Faccin, *Computing generators of the unit group of an integral abelian group ring*

20:00 Social Dinner

### Friday, June 14

Chairman: A. Lucchini

10:00–10:20 Stefania Aqué, *Cocharacters of bilinear mapping and graded matrices*

10:20–10:40 Ulderico Dardano, *On the ring of inertial endomorphisms of an abelian group*

10:40–11:00 Ann Kiefer, *Discontinuous actions of  $\mathbb{H}^2 \times \mathbb{H}^2$*

11:00–11:30 Coffee break

11:30–11:50 Inneke Van Gelder, *Group rings of finite strongly monomial groups: central units and primitive idempotents*

11:50–12:10 Sergio Camp Mora, *Groups with every subgroup ascendant by finite*

13:00 Lunch

**Chairman:** A. Ballester Bolinches

15:00–16:00 Mahmut Kuzucuoğlu, *Centralizers of subgroups in direct limits of symmetric groups*

16:00–16:20 Leire Legarreta Solaguren, *A restriction on centralizers in finite groups*

16:20–16:40 Hanieh Golmakani, *Some results on tensor nilpotent groups*

16:40–17:00 Ivan Martino, *Ekedahl invariants for finite groups*

17:00 *Conclusions* - by the Scientific and Organizing Committees

17:15 Coffee