

PROGRAM OF THE CONFERENCE  
**Advances in Group Theory and Applications 2015**  
PORTO CESAREO (LE), JUNE 16-19, 2015

**Tuesday, June 16**

- 08:45 Opening - by the Scientific and Organizing Committees  
Chairman: A. Ballester-Bolinches
- 09:00–10:00 E. Zelmanov, *Asymptotic group theory: Golod-Shafarevich Groups*
- 10:00–11:00 A. Elduque, *Gradings on simple Lie algebras - I*
- 11:00 Coffee break
- 11:30–12:30 M. De Falco, *Groups with restrictions on infinite conjugacy classes*
- 13:00 Lunch  
Chairwoman: M. Maj
- 15:00–15:30 A. Smoktunowicz, *On some questions in noncommutative ring theory and group theory*
- 15:30–15:45 U. Dardano, *Variants of theorems of Baer and Hall on finite-by-hypercentral groups*
- 15:45–16:00 A. Giordano Bruno, *Additivity of topological entropy for locally profinite groups*
- 16:00–16:20 Xiuyun Guo, *F-norm and the induced automorphisms in finite groups*
- 16:20–16:40 M. Chaboksavar, *Groups in which every finite subnormal subgroup is normal*
- 16:40–17:00 I. Castellano, *Stallings' decomposition theorem for totally disconnected locally compact groups*
- 17:00 Coffee break
- 17:30–17:50 D. La Mattina, *Algebras with polynomial growth of their codimensions*
- 17:50–18:10 A.V. De Luca, *Groups of infinite rank with normality conditions on subgroups*
- 18:10–18:30 C. Quadrelli, *Profinite groups with a cyclotomic p-orientation*
- 18:30–18:50 M. Trombetti, *Uncountable groups with restrictions on subgroups of large cardinality*
- 18:50–19:10 A. Bors, *On large cycle conditions in finite groups*

19:10–19:30 K. Rodtes, *Orthogonal bases of Brauer symmetry classes of tensors for groups with cyclic support on non-linear Brauer characters*

20:00 Dinner

### Wednesday, June 17

Chairman: B. Amberg

09:00–10:00 L.A. Kurdachenko, *Restrictions on conjugate classes*

10:00–11:00 J. Okniński, *Submonoids of nilpotent groups and their algebras*

11:00 Coffee break

11:30–12:30 I. Subbotin, *The influence of arrangement of subgroups on the group structure*

13:00 Lunch

### Thursday, June 18

Chairman: X. Guo

09:00–10:00 L.A. Kurdachenko, *Relationships between upper and lower central series in groups*

10:00–11:00 E. Zelmanov, *Asymptotic group theory: Identities in pro-p-groups*

11:00 Coffee break

11:30–12:30 A. Elduque, *Gradings on simple Lie algebras - II*

13:00 Lunch

Chairman: E. Jespers

15:00–16:00 Th. Weigel, *A group theoretical version of Hilbert's theorem 90*

16:00–17:00 Ning Su, *Some contributions to the saturated fusion systems*

17:00 Coffee break

17:30–17:50 A. Kiefer, *Generators for discrete subgroups of 2-by-2 matrices over rational quaternion algebras*

17:50–18:10 A. Tortora, *Groups with a restriction on normalizers or centralizers*

18:10–18:30 R. Ialenti, *Groups factorized by mutually permutable subgroups*

18:30–18:50 N. Iyudu, *Some results on Golod-Shafarevich and quadratic algebras and semigroups*

18:50–19:10 P. Stefanelli, *The Hochschild product of radical braces*

19:10–19:30 I. Colazzo, *The asymmetric product of radical braces*  
20:30 Social Dinner

**Friday, June 19**

Chairwoman: P. Longobardi

09:00–10:00 A. Elduque, *Gradings on simple Lie algebras - III*

10:00–11:00 L.A. Kurdachenko, *Classes of Baer and Neumann*

11:00 Coffee break

11:30–12:30 E. Zelmanov, *Asymptotic group theory: some open problems on asymptotics of finite groups and algebras*

13:00 Lunch

Chairman: A. Caranti

15:00–16:00 A.N. Skiba, *On some arithmetic properties of finite groups*

16:00–16:30 R. La Scala, *Sequences of commutative monomial algebras and the Hilbert series of noncommutative algebras*

16:30–17:00 L. Centrone, *Gelfand-Kirillov dimension of relatively free graded algebras*

17:00 Coffee break

17:30–17:50 N. Trabelsi, *On non-perfect minimal non- $M_rC$ -groups*

17:50–18:10 M.H. Shahzamanian, *The congruence  $\eta^*$  on semigroups*

18:10–18:30 R. Shwartz, *Generalized commutativity, Hultman numbers and isoclinism of groups*

18:30–18:50 C.A. Pallikaros, *Commutative nilpotent algebras and Weil representations*

18:50–19:10 J.C. Mba, *Non-cancellation group computation*

20:00 Dinner