

# Meeting Lyon-São Paulo

## Algebra, Groups and Logic

Lyon April 22-26, 2013

*Venue:* On Monday morning, the meeting will start in the conference room of the Science Library. On Monday afternoon and after, it will continue in the Fokko du Cloux room, at the second floor of the Braconnier building.

### Monday, April 22

- 9:00-9:30 Welcome of participants
- 9:30-10:00 Opening speeches, by François-Noël Gilly (President of UCBL), Jan Matas (Responsable de l'Alliance internationale-PALSE, UdL)
- 10:00-10:30 Coffee break
- 10:30-11:30 *Weight Representations of Kac-Moody Algebras*, by V. Futorny (USP)
- 11:45-12:45 *Groups Definable in Orthogonal Sets*, by F. Wagner (UdL, Lyon 1)
- 12:45-14:00 Lunch
- 14:00-15:00 *Noncommutative Algebras and Poisson Algebras*, by A. Pichereau (UdL, St. Etienne)
- 15:15-16:15 *Problems and Conjectures in Division Rings: new advances*, by J. Z. Gonçalves (USP)
- 16:15-16:30 Break
- 16:30-17:30 *Cubic Forms over  $\mathbb{F}_2$  and the Hurwitz-Radon Function*, by V. Ovsienko (UdL, Lyon 1)
- 18:30 Reception at l'Hotél de Ville

### Tuesday, April 23

- 9:30-10:30 *On Idempotents in Algebraic Semigroups*, by M. Brion (Grenoble)
- 10:30-11:15 Coffee break
- 11:15-12:15 *On Some Pro- $p$  Groups from Infinite-Dimensional Lie Theory* (joint work with Bertrand Rémy), by I. Capdeboscq (Warwick)
- 12:15-14:00 Lunch
- 14:00-15:00 *Finitely Presented Groups with Infinitely Many non-Homeomorphic Asymptotic Cones*, by A. O. Houcine (UdL, Lyon 1)
- 15:15-16:15 *Satake Isomorphism for Kac-Moody groups*, by S. Gaussent (UDL, St. Etienne)
- 16:15-17:00 Coffee break and poster session
- 17:00-18:00 *Trisections in Module Categories and Quasi-Directed Components*, by F. U. Coelho (USP)

### Wednesday, April 24

- 9:00-10:00 *Definable Subgroups of Minimal Simple Groups of Finite Morley Rank*, by T. Altinel (UdL, Lyon 1)
- 10:00-10:30 Coffee break
- 10:30-11:30 *A Banachic Version of a Theorem of Delorme and Applications*, by R. Tessera (UdL, ENS Lyon)
- 11:45-12:45 *The Profinite Topology on Groups*, by P. Zalesskii (Brasilia)
- 12:45-14:00 Lunch

### Thursday, April 25

- 9:30-10:30 *Nonassociative Lie Theory*, by I. Shestakov (USP)
- 10:30-11:15 Coffee break
- 11:15-12:15 *On the Classification of  $\mathbb{Z}^N$ -Graded Lie Algebras* (joint work with K. Iohara), by O. Mathieu (UdL, Lyon 1)

- 12:15-14:00 Lunch
- 14:00-15:00 *Algebraic Methods in Parameter Estimation*, by R. Ushirobira (INRIA, Lille)
- 15:15-16:15 *A Global Version of Grozman's Theorem* (joint work with O. Mathieu), by K. Iohara (UdL, Lyon 1)
- 16:15-17:00 Coffee break and poster session
- 17:00-18:00 *Free Symmetric Algebras in Skew Fields Generated by Orderable Groups*, by V. O. Ferreira (USP)
- 20:00 Conference dinner

**Friday, April 26**

- 9:30-10:30 TBA, by I. Kashuba (USP)
- 10:30-11:15 Coffee break
- 11:15-12:15 *Full Groups of Minimal Homeomorphisms of the Cantor Space*, by J. Melleray (UdL, Lyon 1)
- 12:15-14:00 Lunch
- 14:00-15:00 *A Reduction Theorem for the Computation of the Yoneda Algebra*, by E. N. Marcos (USP)
- 15:15-16:15 *Unimodularity and Calabi-Yau Duality for the Algebras of Differential Operators*, by P. Le Meur (Clermont-Ferrand)
- 16:15-17:00 Coffee break and poster session
- 17:00-18:00 *Gradings and Fundamental Group of a Linear Category*, by C. Cibils (CIMPA)