

Workshop on Many-Valued Logics

Part of the UniLog Congress 2013, Rio de Janeiro
Workshop organizers: Petr Cintula, Carles Noguera, Luca Spada

Workshop program

Thursday, April 4

Chair: Luca Spada

- 9:00 – 10:00 V. Marra: *Lukasiewicz logic as a logic of vague propositions, revisited*
- 10:00 – 10:20 R. Liparteliani: *Unification problems in finite MV-algebras with constants*
- 10:30 – 11:00 *Coffee break*
- 11:00 – 11:20 J. Rachůnek, D. Šalounová: *Approximations in algebras of the non-commutative Lukasiewicz logic*
- 11:20 – 11:40 D. Šalounová, J. Rachůnek: *State operators on non-associative generalizations of MV-algebras*
- 11:40 – 12:00 R. Halaš, M. Botur: *On quantifiers on pocrim*
- 12:00 – 12:30 I. Chajda, J. Paseka: *Dynamic algebras as an axiomatization of modal and tense logics*
- 12:30 – 14:30 *Lunch*

Chair: Petr Cintula

- 14:30 – 15:00 T. Kroupa: *Many-Valued Degrees of Memberships in Coalitions: Logical and Strategical Consequences*
- 15:00 – 15:30 C. Fermüller: *Games semantics for deterministic and nondeterministic many-valued logics*
- 15:30 – 16:00 R. Ertola: *Adding connectives to intuitionistic logic*
- 16:00 – 16:30 M. Coniglio, M. Figallo: *On the relationship between tetravalent modal algebras, symmetric Boolean algebras and modal algebras for S5*
- 16:30 – 17:00 *Coffee break*
- 17:00 – 17:20 R.O. Rodríguez: *Decidability of Bi-modal Gödel Logics*
- 17:20 – 17:50 M. Blondeel, M. De Cock, T. Flaminio, L. Godo: *Complexity of finitely valued Lukasiewicz possibilistic modal logics*
- 17:50 – 18:20 C. Callejas, J. Marcos: *A contribution towards a cartography of fuzzy equivalence operators*

Friday, April 5

Chair: Carles Noguera

- 9:00 – 10:00 M. Busaniche: *Residuated lattices represented by twist-products*
- 10:00 – 10:30 U. Rivieccio: *On extensions of the Belnap-Dunn logic*
- 10:30 – 11:00 *Coffee break*
- 11:00 – 11:30 A. Avron: *Semi-canonical systems and their semantics*
- 11:30 – 12:00 L. Fariñas Del Cerro, N. Peron: *Non-deterministic matrix semantics for modal logic*
- 12:00 – 12:30 E. Turunen: *The MV-structure of Intermediate Syllogisms*