

33ème Journées sur les Arithmétiques Faibles
University of Gothenburg

All lectures will be held in room T307 in the Department of Philosophy, Linguistics & Theory of Science (street address: Olof Wijksgatan 6).

MONDAY, JUNE 16

- 9:00 – 9:50 (Tutorial, Part I) **Fernando Ferreira** (University of Lisbon),
Weak Analysis: Metamathematics
- 10:00 – 10:30 Coffee/Tea Break
- 10:30 – 11:20 **Lev Beklemishev** (Steklov Institute),
Arithmetic based on logic without contraction and Gödel's second incompleteness theorem
- 11:30 – 12:20 **James Schmerl** (University of Connecticut),
Submodel lattices of Nerode semirings
- 12:30 – 2:30 Lunch Break
- 2:30 – 2:50 **Henri-Alex Esbelin** (University Blaise Pascal, Clermont-Ferrand),
Counting in $\Delta_0^{\#N}$ modulo matrices monoids
- 3:00 – 3:20 **Andrés Cordón-Franco and Francisco Félix Lara-Martín**
(University of Seville),
Local induction axioms vs local induction rules
- 3:30 – 4:00 Coffee/Tea Break
- 4:00 – 4:30 **Yoann Marquer** (University Paris-Est Créteil),
Algorithmic completeness of imperative languages

TUESDAY, JUNE 17

- 9:00 – 9:50 (Tutorial, Part II) **Fernando Ferreira** (University of Lisbon),
Weak Analysis: Mathematics
- 10:00 – 10:30 Coffee/Tea Break
- 10:30 – 11:20 **Keita Yokoyama** (Japan Advanced Institute of Science & Technology)
Use of nonstandard models in reverse mathematics,
- 11:30 – 12:20 **Paula D'Aquino** (Seconda Università di Napoli),
Recursive saturation from a valuation theoretic point of view
- 12:30 – ?? Lunch, Excursion, and Conference Dinner

WEDNESDAY, JUNE 18

- 9:00 – 9:50 **Fernando Ferreira** (University of Lisbon),
Impredicativity and Fregean Arithmetic
- 10:00 – 10:30 Coffee/Tea Break
- 10:30 – 11:20 **Leszek Kołodziejczyk** (University of Warsaw),
The problem of a model with no collection and no exponentiation
- 11:30 – 12:20 **Costas Dimitracopoulos** (University of Athens),
End extensions of models (joint work with V.Paschalis)
- 12:30 – 2:30 Lunch Break
- 2:30 – 2:50 **Tin Lok Wong** (Kurt Gödel Research Center),
*Understanding $B\Sigma_1 + \text{exp}$ via WKL_0^**
- 3:00 – 3:20 **Rasmus Blanck** (University of Gothenburg),
Flexible formulae of arithmetic
- 3:30 – 3:50 Coffee/Tea + Farewell