

Linz Algebra Research Day – LARD 2013

June 19, 2013

We would like to invite everybody to an informal meeting of algebraists in Linz on Wednesday, June 19th, 2013, in Hörsaal 13 of the JKU.

The idea is that people from the different departments (RICAM, RISC, Institute for Algebra, etc.) and generally all who are interested in algebra come together and give a brief overview of their current research - just so that people know what the others are doing.

Presentations should be no longer than 10 minutes, on blackboard, and aiming at a general algebraic audience. If you plan to talk, please send a title to Peter Mayr (Institute for Algebra).

Program:

- 12:15 Peter Mayr: Functions on p -groups are like homomorphisms
- 12:30 Wolfram Bentz: A problem concerning the commuting graph of the symmetric inverse semigroup
- 12:45 Jakub Opršal: Absorption in groups
- 13:00 Erhard Aichinger: Malcev clones

Coffee break

- 13:30 Thomas Vetterlein: From monomial orders to monomial preorders
- 13:45 Gottlieb Isabel Pirsic: Recent implementations of global function field applications
- 14:00 Volker Ziegler: S-Diophantine tuples

Coffee break

- 14:45 Josef Schicho: The probability of a random line to intersect a given curve
- 15:00 Hamid Ahmadinezhad: Rationality and non-rationality of algebraic varieties in higher dimensions
- 15:15 Nelly Villamizar: Ring structure of triangular spline spaces
- 15:30 Christoph Koutschan: Holonomicity and properness are equivalent

Coffee break

- 16:00 Georg Grasegger: Radical solutions of algebraic ODEs
- 16:15 Christoph Fuerst: Gröbner bases in difference-differential modules
- 16:30 Georg Regensburger: Integro-differential algebraic structures