

# Linz Algebra Research Day – LARD 2014

October 23, 2014

We would like to invite everybody to an informal meeting of algebraists in Linz on Thursday, October 23th, 2014, at JKU (TNF Turm).

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.

Program:

T 405

- 13:00 Manuel Kauers: Formal Laurent Series in Several Variables
- 13:15 Thomas Vetterlein: MTL-algebras: the ongoing challenge
- 13:30 Günter Landsmann: Groebner bases in difference-differential modules
- 13:45 Frederik Saxinger: Affine complete groups of size less than 100

Coffee break

T 405

- 14:15 Keith Kearnes: Park's conjecture and Pixley's problem
- 14:30 Erhard Aichinger: Quasi-varieties
- 14:45 Vo Ngoc Thieu: Algebraic general solutions of algebraic ODEs

Coffee break

HS 11

- 15:30 Georg Grasegger: A geometric method for solving algebraic partial differential equations
- 15:45 Markus Steindl: Subpower membership for semigroups
- 16:00 Isabel Pirsic: Some sums in the binary Pascal triangle

Coffee break

HS 11

- 16:30 Agnes Szendrei: The Algebraic Approach to Constraint Satisfaction
- 16:45 Josef Schicho: A Parametric Version of Kempe's Theorem
- 17:00 Peter Mayr: Direct products and finite presentations