

CONFERENCE PROGRAMME
APPLICATIONS OF ALGEBRA IN LOGIC
AND COMPUTER SCIENCE XVI
ZAKOPANE 27TH FEBRUARY — 4TH MARCH 2012

TUESDAY, FEBRUARY 28TH

Morning session.

- 9.50 Opening
- 10.00 Edouard Wagneur
Tropical torsion revisited
- 10.45 Zofia Kostrzycka
On linear brouwerian logics
- 11.15 Coffee break
- 11.45 Yutaka Miyazaki
Unification Problems in non-weakly-transitive Modal Logic
- 12.30 Wojciech Dzik
Unifiers in some weakly regular algebras

Afternoon session.

- 15.00 Mieczysław Kula, Anna Szczerba-Zubek
Non-commutative association scheme of matrices
- 15.30 Małgorzata Serwecińska
Communication complexity and linearly ordered sets
- 16.00 Coffee break
- 16.30 Renata Kawa
Hierarchical Threshold Secret Sharing
- 17.00 Katarzyna Troczka-Pawełec
Continuity of subquadratic functions defined on a topological group

WEDNESDAY, FEBRUARY 29TH

Morning session.

10.00 Jānis Cīrulis

Right normal bands derived from ND-automata

10.30 Rafał Gruszczyński, Andrzej Pietruszczak

The relations of mereological sum and supremum in separative partial orders

11.00 Coffee break

11.30 Emília Halušková

On inverse limits of algebras

12.00 Mirosława Kołowska-Gawiejnowicz

Representation theorems for some classes of residuated algebras

17.00 Workshop on Tolerances: Open Problem Session.

20.00 Conference dinner.

THURSDAY, MARCH 1ST

Morning: Trip.

Afternoon session.

16.00 Lidia Stepień, Marcin Stepień

Automorphisms of Witt rings of local fields

16.30 Lidia Badura

TBA

17.00 Coffee break

17.30 Ângela Mestre

On the enumeration of connected graphs with specified biconnected components

18.00 Orest Artemovych

Cofinite derivation in rings

FRIDAY, MARCH 2ND

Morning session.

- 10.00 Ireneusz Szczęśniak
Emulation of Heavily-Loaded Optical Buffers
- 10.30 Bożena Woźna-Szcześniak
SAT-based BMC for RTECTLKD and Deontic Interleaved Interpreted Systems
- 11.00 Coffee break
- 11.30 Agnieszka Zbrzezny
CEGAR — a method that supports model checking techniques
- 12.00 Andrzej Zbrzezny
An efficient translation from ECTL to SAT*

Afternoon session.

- 15.30 Marcin Ziółkowski
Stochastic server model with limited storage size
- 16.00 Oleg Tikhonenko
Queueing Systems with AQM
- 16.45 Coffee break
- 17.15 Artur Gola
Quantitative trait loci mapping using evolutionary algorithm
- 17.45 Jurij Povstenko
Description of phenomena caused by surface tension in solids

SATURDAY, MARCH 3RD

Morning session — Workshop on Tolerances.

10.00 Mirko Navara

What determines quantum structures?

10.45 Sándor Radeleczki

Rough sets generated by tolerances: an approach based on FCA

11.30 Coffee break

11.45 Joanna Grygiel, Katarzyna Grygiel

How to reconstruct a distributive lattice with an H -irreducible skeleton?

12.15 Anetta Górnicka, Joanna Grygiel, Katarzyna Grygiel

How do blocks in skeletons of finite distributive lattices look like?

Special session (in Polish).

12.45 Ryszard Miszczyński

Kształtowanie się intuicyjnej koncepcji zbioru S . Leśniewskiego

13.15 Kazimierz Czarnota

Czym $|\mathbb{N}|$ różni się od wszystkich innych zbiorów?