

CONFERENCE PROGRAMME
APPLICATIONS OF ALGEBRA IN LOGIC
AND COMPUTER SCIENCE XVIII
ZAKOPANE, 10TH–16TH MARCH 2014

TUESDAY, MARCH 11TH

Morning session.

9.50 Opening

10.00 Kalle Kaarli

Categorical equivalence of algebras

10.45 Janusz Czelakowski

Congruence modularity

11.30 Coffee break

12.00 Sergejs Solovjovs

On the category of lattice-valued bornological vector spaces

Afternoon session.

16.30 Renata Kawa

A hierarchy in tripartite access structures

17.00 Katarzyna Słomczyńska

Algebraic semantics for the $(\leftrightarrow, \neg\neg)$ -fragment of IPC

17.30 Coffee break

Special session (in Polish).

18.00 Kazimierz Czarnota

Nonstandard theory of countable sets

WEDNESDAY, MARCH 12TH

Morning session.

- 10.00 Wojciech Dzik
*The Lattice of Modal Consequence Operations Extending
the Logic $S4.3$*
- 10.45 Sławomir Kost
Countable Frames for Fusions of Monomodal Logics
- 11.15 Coffee break
- 11.45 Zofia Kostrzycka
On Halldén completeness of modal logics
- 12.15 Anna Glenszczyk
*On Computational Complexity of Combination of Intuitionistic
and Classical Logics*
- 12.45 Małgorzata Kruszelnicka
*Logical Equivalence of Kripke Models for Intuitionistic Logic
with Strong Negation*

20.00 Conference dinner.

THURSDAY, MARCH 13TH

Morning: Trip.

Afternoon session.

16.00 Yutaka Miyazaki

Graph Theory and Modal Logic

16.30 Ângela Mestre

On a family of 1-parameter Riordan arrays

17.00 Coffee break

17.30 Aleksandra Kiślak–Malinowska

*A computational syntactic analysis of Italian clitic pronouns:
attachment and movement properties*

18.00 Mirosława Kołowska–Gawiejnowicz

Grishin axioms and Lambek–Grishin algebras

FRIDAY, MARCH 14TH

Morning session.

- 10.30 Artur Gola
The use of evolutionary algorithm for identifying associated SNPs in GWAS
- 11.15 Coffee break
- 11.45 Marcin Ziółkowski
 $M/M/n/(m, \vec{V})$ queueing systems and their applications
- 12.15 Katarzyna Troczka–Pawelec
 K -subquadratic set-valued functions

Afternoon session.

- 16.00 Mirko Navara
Symmetric differences and probabilities
- 16.30 Katarzyna Grygiel
Lambda terms: from enumeration to random generation
- 17.15 Coffee break
- 17.30 Rafał Gruszczyński
Mereological fusion as an upper bound
- 18.00 Sorasak Leeratanavalee
Factorisable monoid of generalized Hypersubstitutions of type $\tau = (2)$

SATURDAY, MARCH 15TH

Morning session.

- 10.00 Edouard Wagneur
Classification of finitely generated idempotent semi modules
- 10.45 Jurij Povstenko
Mechanics and geometry
- 11.15 Coffee break
- 11.45 Robert Sochacki & Arkadiusz Bryll
Equivalent Klein spaces generated by Abelian groups (in Polish)
- 12.15 Ryszard Miszczyński
Stanisław Leśniewski and formalism (in Polish)