

Applications of Algebra XII

Zakopane

March 2008

MONDAY, MARCH 3TH

from 14:00 Registration — hotel ‘Start’

TUESDAY, MARCH 4TH

Morning session

Chair: Joanna Grygiel

9.50 Opening

10.00 Sándor Radeleczki

Endomorphisms of quasiorders and related lattices

10.45 Coffee break

11.15 Edouard Wagner

Tropical cones defined by max-linear inequalities

12.00 Jouni Järvinen

Rough sets, Galois connections and modal logic

Afternoon session

Chair: Witalij Suszczański

15.30 Mieczysław Kula

Highly non-associative quasigroups

16.00 Renata Kawa

Matroids coming from graphs

16.30 Coffee break

17.00 Srichan Arworn

Determinant of the Adjacency Matrix of Path of Cycles

17.30 Decha Samana

An Upper Bound of Some Ramsey Numbers

WEDNESDAY, MARCH 5TH

Morning session

Chair: Bożena Woźna

9.30 Artur Niewiadomski

Towards symbolic encoding of timed UML

10.00 Agata Pokropińska

Medical Data Classification by Means of Neuro-fuzzy Systems

10.30 Coffee break

11.00 Artur Gola

Algorithms of the analysis of the flow of aerosols

11.30 Oleg Tikhonenko

Simulation model of a single-server queueing system with non-homogeneous customers

20.00 Conference dinner

THURSDAY, MARCH 6TH

Morning session

Chair: Sandor Rádeleczki

10.00 Wojciech Dzik

Restricted Structural Completeness

10.30 Rafał Gruszczyński

Full development of Tarski's geometry of solids

11.00 Coffee break

11.30 Paweł Róg
The Treatment of Intuitionistic Fuzzy Sets in the Framework of Evidence Theory

12.00 Jurij Povstenko
Nonlocal equations

Afternoon session

Chair: Marek Zaionc

15.00 Vlastimil Dlab
Representations of graphs and algebras

15.45 Coffee break

16.15 Witalij Suszczański
Growth of automata and semigroups

16.45 Bogdana Oliynyk
Contraction semigroups of wreath products of metric spaces

FRIDAY, MARCH 7TH

Morning session

Chair: Mirko Navara

10.00 Marek Zaionc
Classical and intuitionistic logic are asymptotically identical

10.45 Zofia Kostrzycka
On density of truth of intuitionistic logic

11.15 Coffee break

11.45 Anna Mućka
The graphs of fibered automata

12.15 Katarzyna Grygiel
How many lambda trees are there?

Afternoon session

Chair: Jurij Povstenko

- 15.30 Robert Sochacki
L-decidability of some invariant systems
- 16.00 Jadwiga Knop
Connected sets and the dimension of a topological space
- 16.30 Coffee break
- 17.00 Dorota Wolna
The stability of Światak's functional equation
- 17.30 Iwona Tyrła
Characterization of sine function by functional inequality

SATURDAY, MARCH 8TH**Morning session**

Chair: Jerzy Pogonowski

- 10.00 Vlastimil Dlab
Linear representations of semigroups
- 10.45 Mirko Navara
Pastings of orthomodular lattices
- 11.30 Coffee break
- 12.00 Jānis Cīrulis
On certain implicative algebras
- 12.45 Sergejs Solovjovs
On monadic quantale algebras

Afternoon session

Chair: Edouard Wagneur

- 16.00 Andrzej Wroński
Substructural Logic and BCK-algebras

16.45 Jerzy Pogonowski

Lewis Carroll's Resolution and Tableaux

17.30 Closing ceremony