

Applications of Algebra XIV

Zakopane

March 2010

MONDAY, MARCH 8TH

from 14:00 Registration — hotel "FIAN"



TUESDAY, MARCH 9TH**Morning session**

- 9.50 Opening
- 10.00 Yutaka Miyazaki
On the varieties of proximity algebras
- 10.45 Zofia Kostrzycka
On KTB-algebras
- 11.15 Coffee break
- 11.45 Katarzyna Słomczyńska
Projectivity in Fregean varieties
- 12.15 Janusz Czelakowski
The equationally defined commutator, relatively congruence-modular

Afternoon session

- 15.00 Gábor Bacsó
New near-factorizations of finite groups
- 15.45 Anna Gomolińska
An overview of rough approximation spaces
- 16.30 Coffee break
- 17.00 Adam Grabowski
On a uniform formal presentation of lattices
- 17.30 Thiradet Jiarasuksakun
Endomorphism Monoid of Diamond Product of Two Common Complete Bipartite Graphs
- 18.00 Bartosz Jabłoński
Mode reducts of commutative monoids

WEDNESDAY, MARCH 10TH**Morning session**

- 9.30 Klaus Denecke
Semigroup Properties of Boolean Operations
- 10.15 Mirko Navara
Fuzzy algebras need not be MV-algebras
- 11.00 Coffee break

11.30 Jānis Cīrulis
Weak relative pseudocomplementation

12.15 Marek Nowak
Quasiorders in a role of congruence relations

13.00 Mirosława Kołowska-Gawiejnowicz
Lambek-Grishin calculus and display logic

20.00 Conference dinner
THURSDAY, MARCH 11TH

Morning: Trip



Afternoon session

15.00 Rafał Gruszczyński, Andrzej Pietruszczak
Logical consequence and logical information

15.45 Wojciech Dzik
Unification in Logic and Algebra

16.30 Coffee break

17.00 Ondrej Krídlo
A category of L-fuzzy Chu correspondences

17.30 Sergejs Solovjovs
Categorically-algebraic dualities

18.00 Adam Kolany
What do we now know about generalized satisfiability?

FRIDAY, MARCH 12TH

Morning session (in Polish)

10.00 Eleonora Czyba
Some Eigenvalues and Eigenvectors of an Integral Operator

10.30 Katarzyna Domańska
On some characterization of hyperbolic cotangent

11.00 Artur Gola, Oleg Tikhonenko, Marcin Ziółkowski
An influence of service discipline on characteristics of a single-server queue with non-homogeneous customers

11.30 Coffee break

12.00 Artur Jakubski, Robert Perliński
A new algorithm for general exponentiation

12.30 Aneta Jasińska-Froelich
Estimating Educational Reform Effects Using Bayesian Network Model

13.00 Kazimierz Czarnota
Natural numbers — narrow bridge to infinity

Afternoon session

15.00 Bożena Woźna-Szcześniak, Andrzej Zbrzezny
SAT-based solution for k-optimal cost reachability problem in weighted timed automata

15.30 Mirosław Kurkowski, Paweł Dudek
On some specification languages of cryptographic protocols

16.00 Mirosław Kurkowski, Przemysław Kromolowski
Boolean encoding of some verification structures

16.30 Coffee break

17.00 Jacek Małek
Web caching and its applications. Zipf's law and its role in web caching

17.30 Agnieszka Zbrzezny
On Sequential Abstract State Machines

18.00 Oleg Demidenko
Complex of experiments organization with adaptation to computing process

SATURDAY, MARCH 13TH

Morning session

10.00 Jurij Povstenko
Three-term fractional-order differential equation

10.30 Lidia Stępień
SAT4Alg — SAT based toolkit for Linear Algebra

11.00 Marcin Stępień
On some types of indecomposable Witt rings and their automorphisms

11.30 Coffee break

12.00 Edouard Wagneur
3-D Torsion Tropical Semimodules

12.45 Jerzy Pogonowski
On Extremal Axioms