

CONFERENCE PROGRAMME
APPLICATIONS OF ALGEBRA XI
ZAKOPANE, 5TH—10TH MARCH 2006

TUESDAY, MARCH 6TH

Morning session.

- 9.50 Opening
10.00 Janusz Czelakowski
Algebraic Posets and Models of Set Theory
11.00 Coffee break
11.30 Sandor Radeleczki
Posets and Semilattices Generating Heyting Type Algebras

Afternoon session.

- 15.00 Adam Kolany
Formal Systems for Deciding Generalized Satisfiability
15.45 Zofia Kostrzycka
On the Existence of a Continuum of Logics in NEXT ($\mathbf{KTB} \oplus \Box^2 p \rightarrow \Box^3 p$)
16.15 Wojciech Dzik
Logic Knowledge of Two and More Agents in some Interpreted Systems

WEDNESDAY, MARCH 7TH

Morning session (Session in Polish).

- 10.00 Jadwiga Knop
About Some Properties on Connected Sets
10.30 Robert Sochacki
Axiomatic Rejection in The Implicational–Negational Invariant Sentential Calculi of Łukasiewicz
11.00 Artur Gola
Fuzzy Segmentation of Color Images
11.30 Coffee break
12.00 Jerzy Pogonowski
The Godel's Bird
12.30 Anna Szczerba–Zubek
Association Schemes in the Coding Theory

Afternoon session.

- 15.00 Raja Natarajan
Process Algebras and Mobile Computing
- 15.45 Mirko Navara
Varieties of Orthomodular Lattices
- 16.30 Coffee break
- 17.00 Srichan Arworn
Charakterization on Nonsingular Cycles and Trees
- 17.30 Sorasak Leeratanavalee
Submonoids of Generalized Hypersubstitutions

THURSDAY, MARCH 8TH

Morning session.

- 10.00 Anna Szczerba–Zubek
Association Schemes and Finite Fields
- 10.45 Bożena and Bogdan Staruch
R–relational Extensions of Partial Structures–Logical and Algebraic Properties
- 11.30 Coffee break
- 12.00 Piotr Wilczek
The Surjective Epimorphisms of Ortholattices and the Problem of Definability in Quantum Logics

FRIDAY, MARCH 9TH

Afternoon session.

- 15.00 Artur Niewiadomski
Verics 2007–a Model Checker for Real– Time and Multi– Agent Systems
- 15.30 Maciej Szreter
SAT–based Unbounded Model Checking of Timed Automata
- 16.00 Coffee break
- 16.30 Maciej Orzechowski
Towards Verification of Java Programs in Verics
- 17.00 Wojciech Nabiałek
Promela Verification Using Verics by Translation into Network of Extended Timed Automata

SATURDAY, MARCH 10TH

Morning session.

- 9.30 Bożena Woźna
A Temporal Epistemic Logic with a Reset Operation
- 10.00 Katarzyna Budzyńska, Magdalena Kacprzak
Argumentation Theory Based on Logic of Graded Beliefs
- 10.30 Coffee break

- 11.00 Jacek Małek
Verifying Security Protocols with AVISPA
- 11.30 Gizela Jakubowska
Is Your Security Protocol on Time?
- 12.00 Wojciech Penczek
Model Checking Security Protocols: a Multi-Agent System Approach

Afternoon session.

- 15.00 Jurij Povstenko
Fractional Calculus
- 15.30 Oleg Tikhonenko
Approximate Determination of Memory Volume in Queueing Theory
- 16.00 Oleg Demidenko
System of Research and Adaptation of Local Area Networks under Working Load
- 17.00 Closing ceremony