

# Schedule of the CS&P'2006

Wandlitz

Wednesday, 27. 09. 2006

## Opening Main Session

8:50 Opening by the local organizers

**9:00 Invited Talk** given by **Prof. Antoni Mazurkiewicz**  
*Compositional Systems over Reducible Networks*

10:00 *Interpreted Nets*  
L. Czaja

10:30 *Analysis of Approximate Petri Nets by Means of Occurrence Graphs*  
Z. Suraj, B. Fryc, G. Owsiany

11:00 – 11:30 Coffee Break

<b>SECTION A</b> <b>Workflow Nets and an application</b>	<b>SECTION B</b> <b>Mathematical Structures (Rough Sets and Categories)</b>
11:30 <i>Resource Equivalence in Workflow Nets</i> Vladimir Bashkin, Irina Lomazova 12:00 <i>Checking Properties of Adaptive Workflow Nets</i> Kees van Hee, Irina Lomazova, Olivia Oanea, Alexander Serebrenik, Natalia Sidorova, Marc Voorhoeve 12:30 <i>The Aim of the Open European Nephrology Science Centre - OpEN.SC</i> Gabriela Lindemann, Thomas Schrader, Danilo Schmidt	11:30 <i>Rough Sets in Multi Relational Environment</i> Jaroslaw Stepaniuk 12:00 <i>Automatic Planning Based on Rough Set Tools: Towards Supporting Treatment of Infants with Respiratory Failure</i> Jan Bazan, Piotr Kruczek, Stanislaw Bazan-Socha, Andrzej Skowron, Jacek Pietrzyk 12:30 <i>Semantic Domains for Real-Time Event Structures</i> Roman Dubtsov
<b>13:00 - 14:30 Lunch</b>	
<b>SECTION A</b> <b>Logics</b>	<b>SECTION B</b> <b>Mathematical Structures (Algebra and Graphs)</b>
14:30 <i>Combining Propositional Dynamic Logic with Formal Concept Analysis</i> Nikolay Shilov, Natalia Garanina, Igor Anureev 15:00 <i>Towards a Multi-Valued Logic for Argumentation</i> Katarzyna Budzynska, Magdalena Kacprzak 15:30 <i>A Categorical Account of Bisimulation for Timed Higher Dimensional Automata</i> Elena Oshevskaya	14:30 <i>Local Properties of Triangular Graphs</i> Antoni Mazurkiewicz 15:00 <i>Star-connected rational expressions</i> Barbara Klunder 15:30 <i>Semilinear Sets over Commutative Semirings</i> Manfred Kudlek
<b>16:00 – 16:30 Coffee Break</b>	
<b>SECTION A</b> <b>Object Nets</b>	<b>SECTION B</b> <b>Verification</b>
16:30 <i>Reachable Markings of Object Petri Nets</i> Michael Köhler 17:00 <i>On Decidability Problems of a Basic Class of Object Nets</i> Roxana Dietze, Manfred Kudlek, Olaf Kummer	16:30 <i>Towards C# Program Verification: C#-Kernel and its Axiomatic Semantics</i> Valery Nepomniaschy, Igor Anureev, Igor Dubranosky, Alexei Promsky 17:00 <i>Towards Promela Verification Using VerICS</i> Wojciech Nabialek, Piotr Dembinski, Pawel Janowski 17:30 <i>Specification Based Software Product Line Testing: A Case Study</i> Satish Mishra

\*\*\*\*\* 19:00 Dinner \*\*\*\*\*

Thursday, 28. 09. 2 006

<b>SECTION A</b> <b>Programming Languages</b>	<b>SECTION B</b> <b>Model-based Design</b>
9:00 <i>A Primitive Recursive-Descent Parser with Backtracking</i> Roman Redziejowski	9:00 <i>SAT-Based Reachability Checking for Timed Automata with Discrete Data</i> Andrzej Zbrzezny, Agata Polrola
9:30 <i>An Approach to Formal Human-Oriented Specifications of Programming Languages</i> Igor Anureev	9:30 <i>Development of Embedded Systems – From RTCP-Net Model to Ada Code</i> Marcin Szpyrka
10:00 <i>A Theory of Clones and Formalized Design of Programs</i> Anatoliy Doroshenko, Georgiy Tseytlin, Olena Yatsenko, Lubov Zachariya	10:00 <i>Static Path Compression in Timed Systems</i> Agata Janowska, Wojciech Penczek
10:30 <i>Concurrent Turing Machines as Rewrite Theories</i> Berndt Farwer, Heiko Rölke, Manfred Kudlek	10:30 <i>Efficient Computing Consistent and Partially Consistent Extensions of Information Systems</i> Zbigniew Suraj, Krzysztof Pancerz
<b>11:00 - 11:30 Coffee break</b>	
<b>SECTION A</b> <b>Similarity and Nearness</b>	<b>SECTION B</b> <b>Multi-Agent Systems and Applications</b>
11:30 <i>Similarity as Nearness: Information Quanta, Approximation Spaces and Nearness Structures</i> Marcin Wolski	11:30 <i>Formalising Multi-Agent Organisations</i> Michael Köhler
12:00 <i>Nearness in Approximation Spaces</i> James F. Peters, Andrzej Skowron, Jaroslaw Stepaniuk	12:00 <i>Distributed Object Modeling Using Object Relations in Dynamic Environments</i> Daniel Goehring
12:30 <i>Approximation Spaces Based on Similarity and Dissimilarity</i> Anna Gomolinska	12:30 <i>Modeling Complex Behavior of Autonomous Agents in Dynamic Environments</i> Ralf Berger, Dieter Burkhard
<b>12:00 -14:30 Lunch</b>	
<b>SECTION A</b> <b>Security</b>	<b>SECTION B</b> <b>Robotics and Simulation</b>
14:30 <i>Verification of the TESLA Protocol in MCMAS-X</i> Bozena Wozna, Alessio Lomuscio, Franco Raimondi	14:30 <i>Humanoid Team Humboldt Team Description 2006</i> Manfred Hild, Matthias Jüngel, Michael Spranger
15:00 <i>Observation Based Passive and Active Timing Attacks</i> Damas P. Gruska	15:00 <i>A Real-Time System for the Evolution and Operation of an Artificial Retina</i> Andreas Wollstein, Manfred Hild
15:30 <i>Modelling and Checking Timed Authentication of Security Protocols</i> Gizela Jakubowska, Wojciech Penczek	15:30 <i>Simloid - Research on Biped Robots Controller, Using Physical Simulation and Machine Learning Algorithms</i> Daniel Hein, Manfred Hild

16:00 – 16:30 Coffee Break

### Closing Main Session

16:30 *Verifying Cryptographic Protocols Modeled by Networks of Automata*  
Miroslaw Kurkowski, Wojciech Penczek

17:00 *Analysis of Conflict Dynamics by Risk Patterns*  
Sheela Ramanna, James F. Peters, Andrzej Skowron

17:30 Closing by the organizers

\*\*\*\*\* 19:00 BBQ – Dinner \*\*\*\*\*