

Schedule of the CS&P'2009 Kraków-Przegorzały

SECTION A: Mathematical models of concurrent systems, Parallel algorithms, Model checking, Theory of automata and formal languages, Specification languages

SECTION B: Multiagent systems, Rough sets, Object-oriented approaches, Knowledge management, Programming languages, Knowledge Discovery and Data Mining, Soft Computing, Robotics.

Monday, 28.09.2009

8:45 Opening session	
SECTION A	SECTION B
9:00-9:25 Joerg Bachmann, Louchka Popova-Zeugmann Time-Independent Liveness in Time Petri Nets	Lech Polkowski, Maria Semeniuk-Polkowska On Intensional Aspects of Concepts Defined in Rough Set Theory
9:25-9:50 Kamila Barylska, Łukasz Mikulski, Edward Ochmański Nonviolence Petri Nets	Anna Gomolińska Judgement of Satisfiability Under Incomplete Information
9:50-10:15 Ludwik Czaja, Manfred Kudlek On Synthesis and Analysis of Net Structures and Transition Graphs with Inhibitor Relations	Marcin Wolski Rough Sets and Near Sets. Perceptual Topologies of Indiscernibles
10:15-10:40 Michał Knapik, Wojciech Penczek, Agata Pórola Bounded Parametric Verification for Time Petri Nets with Discrete-Time Semantics	Katarzyna Budzyńska, Magdalena Kacprzak, Paweł Rembelski Update of Probabilistic Beliefs: Implementation and Parametric Verification
10:40 – 11:10 Coffee break	
11:10-11:35 Olga Kouchnarenko, Natalia Sidorova, Nikola Trčka Petri Nets with May/Must Semantics: Preserving Properties through Data Refinements	Marcin Szczuka Approximation of Loss and Risk in Granular Context
11:35-12:00 Vladimir A. Bashkin On the Single-periodic Representation of Reachability in One-counter Nets	Paweł Delimata, Zbigniew Suraj Algorithm for Feature Subsets Quality Boosting
12:00-12:25 Wiesław Pawłowski Petri Hypernets with Constraints	Andrzej Janusz Learning a Rule-based Similarity: A comparison with the Genetic Approach
12:25-12:50 Jan-Thierry Wegener Petri Nets with Time Windows: Liveness Behavior and Time Deadlocks	Marek Pałasinski, Krzysztof Pancierz Several Remarks on Extensions and Restrictions of Information Systems: the Lattice Theory Perspective
13:00-15:00 Lunch	
SECTION A	SECTION B
15:00-15:25 Irina A. Lomazova Workflow Process Re-Engineering with Interacting Workflow Nets	Andrzej Skowron, Jarosław Stepaniuk, James F. Peters, Roman Swiniarski Approximation Spaces Revisited
15:25-15:50 Józef Winkowski Multiplicative Transition Systems	Alicja Wakulicz-Deja, Małgorzata Przybyła-Kasperek Global Decisions Taking on the Basis of Multi-Agent System with a Hierarchical Structure and Density-Based Algorithm
15:50-16:15 Maciej Koutny, Marta Pietkiewicz-Koutny Minimal Regions of ENL-transition Systems	Linh Anh Nguyen Extending the Description Horn Logic DHL*
16:15 – 16:45 Coffee break	
16:45-17:10 Roman R. Redziejowski Associative Omega-Product of Traces Represented by Projections	Hartmut Lackner, Jaroslav Svacina, Holger Schlingloff Test Case Generation from Workflow-based Requirement Specifications
17:10-17:35 Manfred Kudlek On Closure Properties of Sentential Form Languages of Words and Multisets	Igor V. Tarasyuk Performance Evaluation in dtsPBC

Tuesday, 29.09.2009

SECTION A	SECTION B
9:00–9:25 Michael Koehler-Bussmeier and Frank Heitmann On Defining Safeness for Object Nets	Hans-Dieter Burkhard Agent Oriented Techniques for Programming Autonomous Robots
9:25–9:50 Manfred Kudlek, Patrick Totzke On Hierarchy of Multiset Automata	Michal Babula Simulated Maze Solving Algorithms through Unknown Mazes
9:50-10:15 Anatoliy Doroshenko, Mykola Kotyuk, Sergiy Nikolayev, Georgiy Tseytlin, Olena Yatsenko Developing Parallel Programs with Algebra of Algorithms and Heuristic Facilities	Hans-Dieter Burkhard, Bassant Mohamed El-Bagoury, Heinrich Mellmann, Abdel-Badeeh M.Salem Extending the HCBR Adaptive Behavior Control to Multi-Robotics Humanoid Soccer
10:15-10:40 Natalya Gribovskaya, Irina Virbitskaite Open Maps Account of Timed Barbed Bisimulation	Paweł Ośmiałowski A Case of Planning and Programming of a Concurrent Behavior: Planning and Navigating with Formations of Robot
10:40 – 11:10 Coffee break	
11:10-11:35 I.S. Anureev Context Machines	Heinrich Mellmann Active Landmark Selection for Vision-Based Self-Localization
11:35-12:00 Alessio Lomuscio, Wojciech Penczek, Hongyang Qu Partial Order Reduction for Model Checking Interleaved Multi-agent Systems	N.O. Garanina, N.V. Shilov, and L.E. Konyaev Can Robots Solve the Assignment Problem?
12:00-12:25 Alessio Lomuscio, Ben Strulo, Nigel Walker, Peng Wu Model Checking Optimisation Based Congestion Control Models	Friedrich Hildebrand, Gabriela Lindemann - von Trzebiatowski, Danilo Schmidt Dynamical Version of the Intelligent Catalogue in the Project OpEN.SC Project
12:25-12:50 Artur Niewiadomski, Wojciech Penczek, Agata Pórola, Maciej Szreter, Andrzej Zbrzezny Parametric Model Checking with VerICS	Nadezhda Govedarova, Sonja Niepage, Hans-Dieter Burkhard CBR-based Retrieval Technique for Clinical Research Support
13:00-15:00 Lunch	
SECTION A	SECTION B
15:00-15:25 Damas P. Gruska Process Defined Security	Andrew V. Jones, Alessio Lomuscio A BDD-based BMC Approach for the Verification of Multi-Agent Systems
15:25-15:50 Roberto Barbuti, Damas P. Gruska, Andrea Maggiolo-Schettini, Paolo Milazzo Interpretation of Some Systems Security Notions in Biological Diagnostics	Alessio Lomuscio, Wojciech Penczek, Monika Solanki, Maciej Szreter Runtime Monitoring of Contract Regulated Web Services
15:50-16:15 Linh Anh Nguyen, Andrzej Szalas Checking Consistency of an ABox w.r.t. Global Assumptions in PDL?	Krzysztof Cetnarowicz Algorithm and Agent
16:15 – 16:45 Coffee break	
16:45-17:10 Marian Srebrny, Mateusz Srebrny, Lidia Stępień SAT as a Programming Environment for Linear Algebra and Cryptanalysis	Greg Holland, Temesghen Kahsai, Markus Roggenbach, Bernd-Holger Schlingloff Towards Formal Testing of Jet Engine Rolls-Royce BR725
17:10-17:35 Bożena Woźna-Szcześniak and Andrzej Zbrzezny SAT-based Searching for k-quasi-optimal Runs in Weighted Timed Automata	Zbigniew Suraj, Piotr Grochowalski, Katarzyna Garwol, Krzysztof Pancerz Toward Intelligent Searching the Rough Set Database System (RSDS): an Ontological Approach

18:30 Conference Dinner

Wednesday, 30.09.2009

SECTION A	SECTION B
9:00-9:25 Krzysztof Balicki, Marcin Szpyrka Tag Abstraction for XCCS Modelling Language	Bohdan Rytsar Boolean Functions Minimization on Patterns
9:25-9:50 Tomasz Michalak, Jacek Sroka, Michael Wooldridge, Peter McBurney On Distributing Coalition Structure Generation	Łukasz Puławski Discovering Implicit Dependencies Between Source Code Artifacts by Mining Software Development Processes
9:50-10:15 Roman R. Redziejowski Mouse: From Parsing Expressions to a Practical Parser	Piotr Stanczyk Parallel Maximum Matching with GPU
10:15-10:40 Agata Janowska, Tomasz Ulinski Improved method of verifying Estelle with VerICS	Roman Szostek Probabilistic Sorting
10:40 – 11:10 Coffee break	
11:10 Closing session	
12:00 Lunch	
Social events	