

Detailed program

Tuesday, June 27

8:00	Registration	
10:00	Opening session	
10:15	Plenary talk Tibor Gyimóthy (Szeged, Hungary): <i>Program slicing: theory and practice</i>	
11:00	Break	
Sections	Fuzzy and Control	Model-Based Software Development
11:15	Zsolt Gera: <i>Extensions and Applicability of the Membership Driven Reasoning Scheme</i>	László Lengyel, Tihamér Leventovszky, and Hassan Charaf: <i>Aspect-UML-Driven Model-Based Software Development</i>
11:45	József Dombi and Norbert Györbíró: <i>Pliant Ranking</i>	Gergely Mezei, Tihamér Leventovszky, and Hassan Charaf: <i>Optimization algorithms for constraint handling</i>
12:15	Zoltán Dávid and István Vajk: <i>Model-Free Control Based on Reinforcement Learning</i>	Dániel Tóth and Eszter Jósvai: <i>Model-based Development of Graphical User Interfaces</i>
12:45	Lunch	
Sections	Bin Packing	Image Processing
14:00	János Balogh, József Békési, Gábor Galambos, and Gerhard Reinelt: <i>On-line Bin Packing with Restricted Repacking: Lower Bounds</i>	Péter Balázs: <i>On the Ambiguity of Reconstructing Decomposable $h\nu$-Convex Binary Matrices</i>
14:30	Máté Labádi: <i>A linear programming background for the R_{HFF}^∞ upper bound proof</i>	Krisztina Dombi: <i>Calibration of CCD cameras computer aided surgery</i>
15:00	János Balogh, József Békési, Gábor Galambos, and Gerhard Reinelt: <i>One dimensional semi-on-line bin packing algorithms</i>	Dénes Paczolay: <i>2D Pattern Repetition Based Lossless Image Compression</i>

Tuesday, June 27 (continued)

15:30	Break	
Sections	Speech Recognition	Grid Systems
15:45	<p>András Bánhalmi, Dénes Paczolay, and András Kocsor: <i>An On-line Speaker Adaptation Method for HMM-based ASRs</i></p>	<p>Gábor Gombás: <i>Modeling of grid monitoring systems</i></p>
16:15	<p>Dénes Paczolay, András Bánhalmi, and András Kocsor: <i>Robust Recognition of Vowels in Speech Impediment Therapy Systems</i></p>	<p>Attila Kertész and Péter Kacsuk: <i>Grid Meta-Broker Architecture: Requirements of an Interoperable Grid Resource Brokering Service</i></p>
16:45	<p>György Szaszák and Zsolt Németh: <i>Word Boundary Detection Based on Phoneme Sequence Constraints</i></p>	<p>József Kovács: <i>Formal analysis of existing checkpointing systems and introduction of a novel approach</i></p>
17:15	<p>Csaba Teleki, Szabolcs L. Tóth, and Klára Vicsi: <i>Testing and optimization of a continuous speech recognizer with a middle sized vocabulary</i></p>	<p>Ágnes Lipovits, Előd Kovács, and Zoltán Juhász: <i>Fitting the statistical module of the adaptive grid scheduler to the data of the NIIF</i></p>
18:15	Reception at the Town Hall	

Wednesday, June 28

Sections	Numerical methods	Programming Languages
08:30	Jose A. Egea: <i>An Optimization Approach for Integrated Design and Parameter Estimation in Process Engineering</i>	Ádám Balogh and Zoltán Csörnyei: <i>New Method for Designing Polymorphic System Programming Languages</i>
09:00	Gábor Horváth: <i>Design and reengineer metadata with the help of business process modelling</i>	László Lövei, Máté Tejfel, Mónika Mészáros, Zoltán Horváth, and Tamás Kozsik: <i>Comparing Specification with Proved Properties of Clean Dynamics</i>
09:30	Ferenc Domes: <i>Global optimization: rigorous solutions of constraint satisfaction problems</i>	Zoltán Horváth, László Lövei, Tamás Kozsik, Anikó Víg, and Tamás Nagy: <i>Refactoring Erlang Programs</i>
10:00	Break	
10:15	Plenary talk Hermann Schichl (Vienna, Austria): <i>Global Optimization, Constraint Satisfaction, and the COCONUT Environment</i>	
11:00	Break	
Sections	File Systems, Documents	Software Engineering
11:15	Róbert Dávid and Gábor Vincze: <i>Improving DHT-Based File System Performance with B-trees</i>	Norbert Pataki, Ádám Sipos, and Zoltán Porkoláb: <i>Structural Complexity Metrics on SDL Programs</i>
11:45	Kristóf Csorba and István Vajk: <i>Probabilistic confidence prediction in document clustering</i>	Ákos Dávid, Tamás Pozsgai, and László Kozma: <i>Extending a system with verified components</i>
12:15	Hajnalka Hegedűs and László Csaba Lőrincz: <i>Towards A Unified Stylesheet Format for Paper-Based and Electronic Documents</i>	Gergely Dévai: <i>Programming Language Elements for Correctness Proofs</i>
12:45	Lunch	

Wednesday, June 28 (continued)

Sections	Model Transformations	Web Applications
14:00	Ákos Horváth: <i>Automatic Generation of Compiled Model Transformations</i>	Ágnes Bogárdi-Mészöly, Tihamér Levendovszky, and Hassan Charaf: <i>Models for Predicting the Performance of ASP.NET Web Applicaitons</i>
14:30	Máté Kovács: <i>Simulation and Formal Analysis of Workflow Models Using Model Transformations</i>	Péter Cserkúti and Hassan Charaf: <i>A Rule-based Transformation Engine for Web Page Re-authoring</i>
15:00	Dávid Vágó: <i>Transformation and simulation of domain specific languages</i>	Ágnes Bogárdi-Mészöly, Tihamér Levendovszky, and Hassan Charaf: <i>Methods for Retrieving and Investigating Performance Factors in ASP.NET Web Applications</i>
15:30	László Vidács: <i>Model transformations on the Pre-processor Metamodel - Graph Transformation approach</i>	Gábor Imre and Hassan Charaf: <i>A Novel Performance Model of J2EE Web Applications Considering Application Server Settings</i>
16:00	Break	
16:15	Munkácsy exhibiton	
18:15	Supper	

Thursday, June 29

Sections	Databases	Artificial Intelligence
08:30	Róbert Busa-Fekete, Kornél Kovács, and András Kocsor: <i>Extracting Human Protein Information from MEDLINE Using a Full-Sentence Parser</i>	Kristóf Aczél: <i>Instrument separation in poliphonic recordings using instrument prints</i>
09:00	István Szépkúti: <i>Caching in Multidimensional Databases</i>	Richárd Szabó: <i>Occupancy Grid Based Robot Navigation with Sonar and Camera</i>
09:30	Ovidiu Vasutiu and Florina Vasutiu: <i>Database Design Patterns</i>	Krisztina Tóth, Richárd Farkas, and András Kocsor: <i>Hybrid algorithm for sentence alignment of Hungarian-English parallel corpora</i>
10:00	Break	
10:15	Plenary talk Marius Minea (Timisoara, Roumania): <i>Assume-guarantee compositional reasoning</i>	
11:00	Break	
Sections	Automata, models, temporal logic	Program Analysis, C++
11:15	Loránd Muzamel: <i>The Power of Deterministic Alternating Tree-Walking Automata</i>	Szabolcs Payrits and István Zólyomi: <i>Concept-based C++ template overload compilation with XML transformations</i>
11:45	Gáspár Erdélyi: <i>Towards a unified model of computation with correctness proofs</i>	Endre Horváth and Judit Jász: <i>Comparison of static-and dynamic call graphs</i>
12:15	Mónika Mészáros: <i>Proving Quality of Service Constraints of Multimedia Systems</i>	Mihály Biczó, Krisztián Pócza, and Zoltán Porkoláb: <i>Test Generation with Dynamic Impact Analysis for C++ Programs</i>
12:45	Lunch	
15:00	Excursion and supper	

Friday, June 30

Sections	Software Environments, MDA, DSM, SOA	Telecommunication, TTCN-3
08:30	István Ráth: <i>Declarative mapping between concrete and abstract syntax of domain-specific visual languages</i>	Máté J. Csorba and Sándor Palugyai: <i>A Performance Model for Load Test Components</i>
09:00	László Gönczy: <i>Verification of Reconfiguration Mechanisms in Service-Oriented</i>	Sándor Palugyai and János Miskolczi: <i>Performance Modeling of Hierarchical List Structures</i>
09:30	Gábor Bátori, Zoltán Theisz, and Domokos Asztalos: <i>Model driven testing of component based systems</i>	Antal Wu-Hen Chang, Dung Le Viet, and Gyula Csopaki: <i>High-level Restructuring of TTCN-3 Test Suites</i>
10:00	Break	
10:15	Plenary talk Lajos Rónyai (Budapest, Hungary): <i>Finding sense in large sets of data - some powerful applications of Math and CS (with András Benczúr jr.)</i>	
11:00	Break	
Sections	Optimization and Interpolation	Networks, Frameworks
11:15	Balázs Bánhelyi: <i>Investigation of a Delayed Differential Equation with Verified Computing Technique</i>	Pedone Gianfranco: <i>An Agent-based Framework for Supporting e-Health</i>
11:45	Miklós Kozlovszky and T. Bercei: <i>Optical delay buffer optimization in packet switched optical network</i>	Vilmos Bilicki: <i>Network topology discovery</i>
12:15	Miklós Póth: <i>Comparison of convolution based interpolation techniques in digital image processing</i>	Rita Móga, Tamás Polyák, and István Oláh: <i>DRM systems in wireless environment</i>
12:45	Lunch	

Friday, June 30 (continued)

Sections	Algorithms	Distributed Systems, Metadata Exchanges
14:00	Szabolcs Faragó: <i>Implementing and comparing impact algorithms</i>	Vilmos Bilicki and József Dombi Dániel: <i>Paxos with multiple leaders</i>
14:30	Julia Marchis: <i>Simulations on a fractal growth model</i>	
15:00	Closing session, announcing the Best Talk Awards	