Monday, July 1

10:00	Registration	
14:00	Opening session	
14:15	**Plenary talk** Gábor Herman (New York): *Recovery of Label Distributions*	
15:00	Break	
Sections	**Networks**	**Operations Research**
15:15	József Valyon: *Reducing the complexity and controlling the network size of LS-SVM solutions, by solving an overdetermined set of equations*	Péter Kárász: *On a Class of Cyclic-Waiting Queuing Systems with Refusals*
15:45	Alexandrosz Burulitisz, Róbert Maka, Balázs Rózsás, Sándor Szabó, and Sándor Imre: *On the Performance of IP Micro Mobility Protocols*	János Balogh and Tamás Rapcsák: *Test functions and to test functions: a framework for global optimization on Stiefel manifolds*
16:15	Antal Fazakas and Katalin Tarnay: *Inline Expressions in Protocol Test Specification*	Mihály Csaba Markót, José Hernández and Leocadio Casado: *New Interval Methods for Constrained Global Optimization: Solving 'Circle Packing' Problems in a Reliable Way*
16:45	Break	
Sections	**Software engineering**	**Image processing**
17:00	Ákos Kiss, Judit Jász, and Gábor Lehotai: *Static Slicing of Binary Executables*	Gergely Kovásznai and Krisztián Veréb: *Mathematical Morphology in Image Processing by SLD Resolution*
17:30	Gábor Kusper: *Investigation of Binary Representations of SAT especially 2-Literal Representation*	György Koch and József Dombi: *1-dimensional clustering with aggregated functions*
18:15	Reception at the Town Hall	

Tuesday, July 2 (morning)

Sections	**Databases**	**Artificial intelligence**
08:30	István Szépkúti: *Difference Sequence Compression of Multidimensional Databases*	Tim Fuehner and Gabriella Kókai: *Incorporating Linkage Learning into the GeLog Framework*
09:00	Mohammed Alhaddad: *Utilising Networked Workstations to Accelerate Database Queries*	Zoltán Tóth: *A Graphical User Interface for Evolutionary Algorithms*
09:30	István Katsányi: *On Implementing Relational Databases on DNA strands*	Róbert Ványi: *Structural Description of Binary Images: An Evolutionary Approach*
10:00	Break	
10:15	**Plenary talk** János Pintér (Halifax): *Global / Nonlinear Optimization in Modeling Environments*	
11:00	Break	
Sections	**Optimization**	**Image processing**
11:15	Péter Gábor Szabó: *Optimal substructures in optimal and candidate circle packings*	Attila Tanács, Kálmán Palágyi, and Attila Kuba: *A fully automatic medical image registration algorithm based on mutual information*
11:45	Boglárka Tóth: *Empirical investigation of the convergence of inclusion functions*	Krisztián Veréb: *Complex Pattern Matching Strategies in Image Database: The cut-and-or-not Approach*
12:15	Tamás Vinkó: *Branch and Prune Techniques in Multidimensional Interval Global Optimization Algorithms*	Péter Balázs, Attila Kuba, and Emese Balogh: *A Fast Algorithm for Reconstructing hv-convex 8-connected but not 4-connected Discrete Sets*
12:45	Lunch	

Tuesday, July 2 (afternoon)

Sections	**Networks**	**Artificial intelligence**
14:00	Márta Fidrich, Vilmos Bilicki, Zoltán Sógor, and Gábor Sey: *SIP compression*	Balázs Szörényi: *ID3 is not an Occam algorithm*
14:30	Timót Hidvégi: *Optimized emulated digital CNN-UM (CASTLE) Architectures*	Gábor Gosztolya, András Kocsor, László Tóth, and László Felföldi: *Various Robust Search Methods in a Hungarian Speech Recognition System*
15:00	Endre Horváth: *Bluetooth Modelling, Validation and Test Suite Generation*	Zoltán Nagy: *Fast and Efficient Multi-Layer CNN-UM Emulator Using FPGA*
15:30	Break	
Sections	**Programming**	**Numerical algorithms**
15:45	Raluca Oana Scarlatescu: *Programming by steps*	Tibor Laczó and László Sragner: *Model Order Estimations for Noisy Black-box Identifications*
16:15	Dániel Szegő: *Automatic Wizard Generation*	Gábor Balázs, Béla Drozdik, and András Jókuthy: *New Methods in Tele-cardiology*
16:45	Tamás Kasza, Sarolta Dibuz, Tibor Szabó, and Gyula Csopaki: *Applicability of UML in Protocol and Test Development*	Kristóf Haraszti: *Noise Reduction on ECG-signals with the Help of Syncronized Averaging*
18:00	Supper	

Wednesday, July 3 (morning)

Sections	**Networks**	**Software engineering**
08:30	János Horváth Cz. and Sándor Imre: *Optimal Platform to Develop Features for Ad Hoc Extension of 4G Mobile Networks*	Róbert Lovas and Péter Kacsuk: *Enhanced Macrostep-based Debugging Methodology for Parallel Programs*
09:00	József Hosszú: *Test Architecture for Distributed Network Management Software*	Tamás Kókai and Tibor Csiszár: *Role oriented software development in practice*
09:30	Break	
09:45	**Plenary talk** Zoltán Fülöp (Szeged): *Tree Transducers*	
10:30	Break	
Sections	**Automata**	**Algorithms**
10:45	Matti Rönkä: *On One-Pass Term Rewriting and Tree Recognizers with Comparisons Between Brothers*	Krisztián Keszthelyi: *The Analysis of the Economy of the Milk Processing Companies in 2000 with Multivariate Methods*
11:15	Lajos Kollár: *Application of Tree Automata in The Validation of XML Documents*	Balázs Polgár and Endre Selényi: *Probabilistic Diagnostics with P-Graphs*
11:45	Miklós Krész and Miklós Bartha: *Soliton graphs and graph-expressions*	Gabriel Raicu: *Distributed Expert System in Port Area*
12:15		Richárd Szabó: *Navigation of simulated mobile robots in the Webots environment*
12:45	Lunch	

Wednesday, July 3 (afternoon)

Sections	**Protocols**	**Programming**
14:00	Sándor Imre, Róbert Schulcz, and Csaba Csegedi: *IPv6 Macromobility Simulation Using OMNeT++ Environment*	Dániel Varró: *A Pattern Based Constraint Language for Metamodels*
14:30	Anna Harmathné Medve: *Relations of Testability and Quality Parameters of SDL Implementation at the Early Stage of Protocol Development Life Cycle*	Dávid Hanák: *Implementing Global Constraints as Structured Networks of Elementary Constraints*
15:00		Tibor Csáki and Krisztián Veréb: *The Jodie Programming Language*
15:30	Break	
Sections	**Artificial intelligence**	**Image processing**
15:45	Tamás Szabó: *CNN Based Early Detection of Acute Ischemic Lesion*	Marianna Dudásné Nagy and Attila Kuba: *Reconstruction of Factor Images of Dynamic SPECT by Discrete Tomography*
16:15	Ákos Zsiros: *Application of Learning Methods in MCDA models: Overview and Experimental Comparison*	Péter Kozma: *Colour Space Transformation, Colour Correction and Exact Colour Reproduction on FALCON Architecture*
16:45	László Felföldi, András Kocsor, and László Tóth: *Classifier Combination in Speech Recognition*	Attila Licsár and Tamás Szirányi: *Hand Gesture-based Film Restoration*
18:00	Excursion and supper	

Thursday, July 4 (morning)

Sections	**Networks**	**Discrete algorithms**
08:30	Attila Rajmund Nohl and Gergely Molnár: *On the convergence of OSPF*	Csilla Endrődi: *Efficiency Analysis and Comparison of Public Key Algorithms*
09:00	István Pataki and András Gulyás: *End-to-end QoS Management Issues Over DiffServ Networks*	Paula Steinby: *Content Protection: Combining Watermarking with Encryption*
09:30	János Zoltán Szabó: *Performance Testing Architectures for Communication Protocols*	Péter Orvos: *Digital Signatures with Signer's Biometric Authentication*
10:00	Break	
10:15	**Plenary talk** Csaba Fábián (Bukarest): *Evolutionary and Parallel Solving Methods for Cutting Stock Problems*	
11:00	Break	
Sections	**Web solutions**	**Artificial intelligence**
11:15	Andor Abonyi-Tóth, Dénes Eglesz, and Orchidea Edith Kiss: *Examining Private and Professional Websites Regarding Technique and Usability*	Tamás Gergely: *Measures for Decision Tree Building*
11:45	Richárd Jónás: *Building Web Applications via Web*	András Hócza, Gyöngyi Szilágyi, and Tibor Gyimóthy: *LL Frame System of Learning Methods*
12:15	László Zömbik: *Traffic analysis of HTTPS*	András Salamon: *Rewarding Misclassifications in Oblique Decision Tree Learning*
12:45	Lunch	

Thursday, July 4 (afternoon)

Sections	**Networks**	**Artificial intelligence**
14:00	Richárd Jónás, Lajos Kollár, and Krisztián Veréb: *A Communication System Based on Web Service and its Application in Image Processing*	István Juhos, Gyöngyi Szilágyi, János Csirik, György Szarvas, Tamás Szeles, and Attila Kocsis : *Time Series Prediction using Artifical Intelligence Methods*
14:30	Dániel Petri: *Towards Verifyable Design Patterns*	Kornél Kovács and András Kocsor: *Various Hyperplane Classifier Using Kernel Feature Spaces*
15:00		Szilvia Gyapay: *Operation Research Methods in Petri Net Based Analysis of IT Systems*
15:30	Break	
Sections	**Programming**	**Modelling**
15:45	Dávid Hanák and Tamás Szeredi: *FDBG, a CLP(FD) Debugger for SICStus Prolog*	Tibor Csiszár and Tamás Kókai: *The basics of roleoriented modelling*
16:15	Ferenc Havasi and Miklós Kálmán: *XML Semantics*	Nóra Székely: *Simplifying the Model of a Complex Industrial Process Using Input Variable Selection*
16:45	Viktória Zsók, Zoltán Horváth, and Máté Tejfel: *Parallel Functional Programming on Cluster*	Orsolya Dobán: *Software Development Effort Estimation and Process Optimization*
17:15	Dan Laurentiu Jisa: *Comparative Study of Four UML Based CASE Tools*	László Ruskó, Attila Kuba, and Emese Balogh: *VRML Based Visualization of Discrete Tomography Pictures*
18:00	Closing session, announcing the Best Talk Awards	
19:00	Supper	