Preliminary Program

Overview

Saturday, July 18

- 10:00 - 14:00 Registration
- 14:00 - 14:15 Opening
- 14:15 - 15:00 Plenary talk
- 15:00 - 15:15 Break
- 15:15 - 16:45 Talks in 2 streams (3x30 minutes)
- 16:45 - 17:00 Break
- 17:00 - 18:00 Talks in 2 streams (2x30 minutes)
- 18:30 - 20:30 Supper

Sunday, July 19

- 08:30 - 10:00 Talks in 2 streams (3x30 minutes)
- 10:00 - 10:15 Break
- 10:15 - 11:00 Plenary talk
- 11:00 - 11:15 Break
- 11:15 - 12:45 Talks in 2 streams (3x30 minutes)
- 12:45 - 14:00 Lunch
- 14:00 - 15:30 Talks in 2 streams (3x30 minutes)
- 15:30 - 15:45 Break
- 15:45 - 17:15 Talks in 2 streams (3x30 minutes)
- 18:00 - 19:30 Reception at the Town Hall

Monday, July 20

- 08:30 - 10:00 Talks in 2 streams (3x30 minutes)
- 10:00 - 10:15 Break
- 10:15 - 11:00 Plenary talk
- 11:00 - 11:15 Break
- 11:15 - 12:45 Talks in 2 streams (3x30 minutes)
- 12:45 - 14:00 Lunch
- 14:00 - 20:00 Excursion and supper

Tuesday, July 21

- 08:30 - 10:00 Talks in 2 streams (3x30 minutes)
- 10:00 - 10:15 Break
- 10:15 - 11:00 Plenary talk
- 11:00 - 11:15 Break
- 11:15 - 12:45 Talks in 2 streams (3x30 minutes)
- 12:45 - 14:00 Lunch
- 14:00 - 15:30 Talks in 2 streams (3x30 minutes)
- 15:45 - 16:00 Closing session, announcing the Best Talk Awards
- 18:00 - 20:30 Supper

Wednesday, July 22

- 8:30 Departure

Detailed program

Saturday, July 18

10:00	Registration	
14:00	Opening session	
14:15	**Plenary talk** Miroslav Ciric *Automata, algebras and semigroups*	
15:00	Break	
Sections	**Databases**	**Decision support systems, fuzzy**
15:15	Zoltán Kincses *Questions on complex dynamic security*	József Dombi and Nándor Vincze *Universal characterisation of non-transitive preferences*
15:45	István Szépkuti *Multidimensional or Relational. How to organize an On-Line Analytical Processing Database?*	Sasa Dimitrijević, Dragan Antić and Predrag Stanković *Fuzzy spark advance scheduling for internal combustion engine*
16:15	Antal Nagy, László Nyúl and Zoltán Alexin *Software development of Medical Image Archiving System*	Zsolt Kalmár *Module Based Reinforcement Learning for a real Robot*
16:45	Break	
Sections	**JAVA**	**Software engineering, networks**
17:00	Zsolt Werner *Using Java and Erlang in Protocol Testing*	Mazen Malek, Roland Geche *Combination of Conformance, Performance and Interoperability testing for Internet Applications*
17:30	Viatcheslav V. Ostapenko *Generation of JAVA classes from ASN.1 for BER transfer syntax*	Vladan Devedzić, Danijela Radović, Ljubomir Jerinić *The Components for Intelligent Tutoring Systems*

Sunday, July 19

Sections	**Operations research, optimization**	**Information systems, software engineering**
08:30	András Csallner and Mihály Csaba Markót *Improving Interval Methods for Global Optimization*	Károly István Boda *Complex Data Structures and their Role in the Organisation of Information Systems*
09:00	Gábor Péter Szabó and Leocadio G. Casado *Equal Circles Packing in the Unit Square*	Jouni Järvinen *Difference Functions of Dependence Spaces*
09:30	András Kocsor, László Tóth and Imre Bálint *On the optimal parameters of a sinusoidal representation of signals*	Gyula Tömösi *Hybrid Modelling and Reasoning in Measuring Systems*
10:00	Break	
10:15	**Plenary talk** Katalin Tarnay *Protocol development: software problems and solutions*	
11:00	Break	
Sections	**Optimization, grammars**	**Information systems, networks**
11:15	Gábor Magyar, Mika Johnsson, Olli Nevalainen *On the Exact Solution of the Euclidean Three-Matching Problem*	Slavoljub Milovanovic *Open information systems - serbian enterprises standing and perspectives*
11:45	János Balogh, Pilar Martinez-Ortigosa, I. García *Simulation and implementation of the Parallel Control Random Search Algorithm*	Attila Lakatos, Pál Tőke *On the partial correctness of the alternating hit protocol*
12:15	Judit Csima *On extended simple eco-grammar systems*	Tchanin Alexandr *Generation MSC and TTCN descriptions for ISUP supplementary services*
12:45	Lunch	

(see next page for the rest of the **Sunday** program)

Sunday, July 19 (continued)

Sections	**Automata theory**	**Networks and protocols**
14:00	Tamás Hornung, Sándor Vágvölgyi *Decomposition of CFT(S) transformations with look-ahead*	Adalla Khalil Areik *Rule-Based System for Conformance Testing*
14:30	Miklós Bartha, Miklós Krész *Elementary decomposition of soliton automata*	Mihály Bohus *Uniform test selection method*
15:00	Tatjana Petković *The Correspondence Between Varieties of Automata and Semigroups*	Endre Németh *Built-in scheduling for protocol design*
15:30	Break	
Sections	**Automata theory, numerical mathematics**	**Software engineering, networks**
15:45	Antal Pukler *On Length of Directing Words of Automata*	Dragan Janković *Construction of recursive algorithms for polarity matrices calculation in polynomial logical function representation*
Sections	**Numerical mathematics**	**Software engineering, networks**
16:15	Sasa Dimitrijević, Bratislav Danković, Dragan Antić *Simulation approach for localizing roots of real coefficients complex equations*	András Micsik *A study of portability in the deployment of WWW*
16:45	Gábor Kallós *The Structure of the Univoque Set*	Csaba Vilmos Rotter *Regular grammar model for protocol testing*

Monday, July 20

Sections	**Image processing**	**Software engineering, networks**
08:30	Attila Alföldi, Attila Bak, Richárd Gál, Tamás Szabad *Compression and Processing of Still Images Using Wavelet Transformation*	Miklós Berzsenyi *A Hierarchical Algoritm for Link-Sharing, Real-Time and Priority Services*
09:00	Attila Fazekas, András Hajdu *Analyzing the noise sensitivity of skeletonisation processes*	Zoran Putnik *An Analysis of Some Characteristics of Different Programming Paradigms*
09:30	Vesna Velićković *A filter to avoid the aliasing problem*	Zoltán Porkoláb *Using Object Oriented Techniques at Implementing Compilers*
10:00	Break	
10:15	**Plenary talk** György Maróti *Topics in Computer Algebra*	
11:00	Break	
Sections	**Image processing**	**Software engineering, networks**
11:15	Attila Tanács, Kálmán Palágyi *Efficient implementation of morphological and local neighbourhood operations*	Gabriella Kókai *Error Diagnosis in Prolog Programs, A Critical View*
11:45	Joonas Lehtinen *Limiting Distortion of a Wavelet Image Codec*	
12:15	Cs. Halmai, E. Sorantin, A. Tanacs, P. Winkler, G. Wolf *Investigations of Tubular Structures*	
12:45	Lunch	
14:00	Excursion	

Tuesday, July 21

Sections	**Discrete mathematics**	**Artificial intelligence**
08:30	Béla Csaba *On the Partitioning Algorithm*	Anikó Ekárt *Generating class descriptions of four bar linkages*
09:00	Ferenc Kruzslic *Improved Greedy Algorithm to Look for Median Strings*	Endre Fülöp *The n-distinguishable-queens problem, an extension of a classical AI problem*
09:30	József Békési, Gábor Galambos and Péter Hajnal *Analysis of permutation routing algorithms*	Ádám Schmideg *Automatically generated icons for documents of electronic libraries*
10:00	Break	
10:15	**Plenary talk** Péter Hajnal *Decision tree complexity - a graph theoretical approach*	
11:00	Break	
Sections	**Discrete mathematics**	**Artificial intelligence**
11:15	Csaba Holló, Zoltán Blázsik, Csanád Imreh, Zoltán Kovács *On a merging reduction of the Process Network Synthesis Problem*	Péter Olaszi, Ilona Koutny, Gábor Olaszi *Syntactical Analysis of Hungarian Sentences to Produce Prosodic Information for Speech Synthesis*
11:45	Harri Hakonen, Timo Raita *A Fast Constant-Space Substring Search Algorithm*	András Péter, Lehel Csató *A New Approach to Neural Network Design*
12:15	Dragan Stevanović *Constructing Graphs with Given Eigenvalues and Angles*	Miklós Hoffmann, Emőd Kovács *Training of Artificial Neural Networks by Linear Mappings*
12:45	Lunch	

(see next page for the rest of the **Tuesday** program)

Tuesday, July 21 (continued)

Sections	**Software engineering and applications**	**Artificial intelligence**
14:00	Jaakko Järvi *Object Oriented Model for Parameter Estimation of Partially Separable Functions*	Tommi Johtela, Jouni Smed, Mika Johnsson and Olli Nevalainen *Applying Fuzzy Multiple Criteria Optimization to PCB Scheduling*
14:30	Prof. Borko Kristić, Ognjen Radović, Srdjan Marinković, Ksenija Dencić *Some aspects of financial instruments' price modelling*	Ljubomir Jerinić, Vladan Devedzić *The Cost-Effective and Component Based Intelligent Tutoring Shell — the GET-BITS Model*
15:00	Predrag V. Krtolica *A New Look at Reverse Polish Notation*	Lehel Csató, András Péter *Neural Network Model for Nonlinearity Detection*
15:45	Closing session, announcing the Best Talk Awards	

Wednesday, July 22

- Departure