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Preface

This volume contains papers selected for presentation at the 28th Symposium on Mathematical Foundations of Computer Science – MFCS 2003, held in Bratislava, Slovakia, August 25–29, 2003.

MFCS 2003 was organized by the Slovak Society for Computer Science and the Comenius University in Bratislava, in cooperation with other institutions in Slovakia. It was supported by the European Association for Theoretical Computer Science and the Slovak Research Consortium for Informatics and Mathematics.

The series of MFCS symposia, organized alternately in the Czech Republic, Poland and Slovakia since 1972, has a well-established tradition. The MFCS symposia encourage high-quality research in all branches of theoretical computer science. Their broad scope provides an opportunity to bring together specialists who do not usually meet at specialized conferences. The previous meetings took place in Jablonna, 1972; Štrbské Pleso, 1973; Jadwisin, 1974; Mariánské Lázně, 1975; Gdańsk, 1976; Tatranská Lomnica, 1977; Zakopane, 1978; Olomouc, 1979; Rydzina, 1980; Štrbské Pleso, 1981; Prague, 1984; Bratislava, 1986; Carlsbad, 1988; Porąbka-Kozubnik, 1989; Banská Bystrica, 1990; Kazimierz Dolny, 1991; Prague, 1992; Gdańsk, 1993; Košice, 1994; Prague, 1995; Kraków, 1996; Bratislava, 1997; Brno, 1998; Szklarska Poręba, 1999; Bratislava, 2000; Mariánské Lázně, 2001; and Warsaw-Otwock, 2002.

The MFCS 2003 Proceedings consists of 7 invited papers and 55 contributed papers. The latter were selected by the Program Committee from a total of 137 submitted papers. The following program committee members took part in the evaluation and selection of submitted papers (those denoted by * took part in the selection meeting in Bratislava on May 10, 2003): Julian Bradfield* (Edinburgh), János Csirik (Szeged), Pierpaolo Degano (Pisa), Mariangiola Dezani-Ciancaglini* (Torino), Krzysztof Diks (Warsaw), Juhani Karhumäki* (Turku), Marek Karpinski (Bonn), Mojmir Křetínský* (Brno), Werner Kuich (Vienna), Jan van Leeuwen (Utrecht), Christoph Meinel (Trier), Leszek Pacholski (Wrocław), David Peleg* (Rehovot), José D.P. Rolim (Geneva), Branislav Rován* (Bratislava, *Chair*), Jan Rutten (Amsterdam), Jiří Šíma* (Prague), Paul Spirakis* (Patras), Ulrich Ultes-Nitsche (Fribourg), Peter Vojtáš* (Košice, *Vice-chair*), and Igor Walukiewicz (Bordeaux).

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EATCS offered a Best Student Paper Award for the best paper submitted to MFCS and authored solely by students. The Program Committee decided to give this award in 2003 to Gregor Gramlich (Institut für Informatik, Johann Wolfgang Goethe-Universität, Frankfurt) for his paper “Probabilistic and Nondeterministic Unary Automata.”

As the editors of these proceedings, we are much indebted to all contributors to the scientific program of the symposium, especially to the authors of papers. Special thanks go to those authors who prepared the manuscripts according to the instructions and made life easier for us. We would also like to thank those who responded promptly to our requests for minor modifications and corrections in their manuscript. The database and electronic support system for the Program Committee was designed by Miroslav Chladný who, together with Miroslav Zervan, made everything run smoothly. Our special thanks go to Miroslav Chladný

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Bratislava, June 2003

Branislav Rován
Peter Vojtáš



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Table of Contents

Invited Talks

Distributed Quantum Computing	1
<i>Harry Buhrman and Hein Röhrig</i>	
Selfish Routing in Non-cooperative Networks: A Survey	21
<i>R. Feldmann, M. Gairing, Thomas Lücking, Burkhard Monien, and Manuel Rode</i>	
Process Algebraic Frameworks for the Specification and Analysis of Cryptographic Protocols	46
<i>Roberto Gorrieri and Fabio Martinelli</i>	
Semantic and Syntactic Approaches to Simulation Relations	68
<i>Jo Hannay, Shin-ya Katsumata, and Donald Sannella</i>	
On the Computational Complexity of Conservative Computing	92
<i>Giancarlo Mauri and Alberto Leporati</i>	
Constructing Infinite Graphs with a Decidable MSO-Theory	113
<i>Wolfgang Thomas</i>	
Towards a Theory of Randomized Search Heuristics	125
<i>Ingo Wegener</i>	

Contributed Papers

Adversarial Models for Priority-Based Networks	142
<i>C. Álvarez, M. Blesa, J. Díaz, A. Fernández, and M. Serna</i>	
On Optimal Merging Networks	152
<i>Kazuyuki Amano and Akira Maruoka</i>	
Problems which Cannot Be Reduced to Any Proper Subproblems	162
<i>Klaus Ambos-Spies</i>	
ACID-Unification Is NEXPTIME-Decidable	169
<i>Siva Anantharaman, Paliath Narendran, and Michael Rusinowitch</i>	
Completeness in Differential Approximation Classes	179
<i>G. Ausiello, C. Bazgan, M. Demange, and V. Th. Paschos</i>	
On the Length of the Minimum Solution of Word Equations in One Variable	189
<i>Kensuke Baba, Satoshi Tsuruta, Ayumi Shinohara, and Masayuki Takeda</i>	

Smoothed Analysis of Three Combinatorial Problems	198
<i>Cyril Banderier, René Beier, and Kurt Mehlhorn</i>	
Inferring Strings from Graphs and Arrays	208
<i>Hideo Bannai, Shunsuke Inenaga, Ayumi Shinohara, and Masayuki Takeda</i>	
Faster Algorithms for k -Medians in Trees	218
<i>Robert Benkoczi, Binay Bhattacharya, Marek Chrobak, Lawrence L. Larmore, and Wojciech Rytter</i>	
Periodicity and Transitivity for Cellular Automata in Besicovitch Topologies	228
<i>F. Blanchard, J. Cervelle, and E. Formenti</i>	
Starting with Nondeterminism: The Systematic Derivation of Linear-Time Graph Layout Algorithms	239
<i>Hans L. Bodlaender, Michael R. Fellows, and Dimitrios M. Thilikos</i>	
Error-Bounded Probabilistic Computations between MA and AM	249
<i>Elmar Böhler, Christian Glaßer, and Daniel Meister</i>	
A Faster FPT Algorithm for Finding Spanning Trees with Many Leaves	259
<i>Paul S. Bonsma, Tobias Brueggemann, and Gerhard J. Woeginger</i>	
Symbolic Analysis of Crypto-Protocols Based on Modular Exponentiation	269
<i>Michele Boreale and Maria Grazia Buscemi</i>	
Denotational Testing Semantics in Coinductive Form	279
<i>Michele Boreale and Fabio Gadducci</i>	
Lower Bounds for General Graph-Driven Read-Once Parity Branching Programs	290
<i>Henrik Brosenne, Matthias Homeister, and Stephan Waack</i>	
The Minimal Graph Model of Lambda Calculus	300
<i>Antonio Bucciarelli and Antonino Salibra</i>	
Unambiguous Automata on Bi-infinite Words	308
<i>Olivier Carton</i>	
Relating Hierarchy of Temporal Properties to Model Checking	318
<i>Ivana Černá and Radek Pelánek</i>	
Arithmetic Constant-Depth Circuit Complexity Classes	328
<i>Hubie Chen</i>	

Inverse NP Problems	338
<i>Hubie Chen</i>	
A Linear-Time Algorithm for 7-Coloring 1-Planar Graphs	348
<i>Zhi-Zhong Chen and Mitsuharu Kouno</i>	
Generalized Satisfiability with Limited Occurrences per Variable: A Study through Delta-Matroid Parity	358
<i>Victor Dalmau and Daniel K. Ford</i>	
Randomized Algorithms for Determining the Majority on Graphs	368
<i>Gianluca De Marco and Andrzej Pelc</i>	
Using Transitive–Closure Logic for Deciding Linear Properties of Monoids	378
<i>Christian Delhommé, Teodor Knapik, and D. Gnanaraj Thomas</i>	
Linear-Time Computation of Local Periods	388
<i>Jean-Pierre Duval, Roman Kolpakov, Gregory Kucherov, Thierry Lecroq, and Arnaud Lefebvre</i>	
Two Dimensional Packing: The Power of Rotation	398
<i>Leah Epstein</i>	
Approximation Schemes for the Min-Max Starting Time Problem	408
<i>Leah Epstein and Tamir Tassa</i>	
Quantum Testers for Hidden Group Properties	419
<i>Katalin Friedl, Frédéric Magniez, Miklos Santha, and Pranab Sen</i>	
Local LTL with Past Constants Is Expressively Complete for Mazurkiewicz Traces	429
<i>Paul Gastin, Madhavan Mukund, and K. Narayan Kumar</i>	
LTL with Past and Two-Way Very-Weak Alternating Automata	439
<i>Paul Gastin and Denis Oddoux</i>	
Match-Bounded String Rewriting Systems	449
<i>Alfons Geser, Dieter Hofbauer, and Johannes Waldmann</i>	
Probabilistic and Nondeterministic Unary Automata	460
<i>Gregor Gramlich</i>	
On Matroid Properties Definable in the MSO Logic	470
<i>Petr Hliněný</i>	
Characterizations of Catalytic Membrane Computing Systems	480
<i>Oscar H. Ibarra, Zhe Dang, Omer Egecioglu, and Gaurav Saxena</i>	

Augmenting Local Edge-Connectivity between Vertices and Vertex Subsets in Undirected Graphs	490
<i>Toshimasa Ishii and Masayuki Hagiwara</i>	
Scheduling and Traffic Allocation for Tasks with Bounded Splittability . . .	500
<i>Piotr Krysta, Peter Sanders, and Berthold Vöcking</i>	
Computing Average Value in Ad Hoc Networks	511
<i>Miroslaw Kutylowski and Daniel Letkiewicz</i>	
A Polynomial-Time Algorithm for Deciding True Concurrency Equivalences of Basic Parallel Processes . . .	521
<i>Sławomir Lasota</i>	
Solving the Sabotage Game Is PSPACE-Hard	531
<i>Christof Löding and Philipp Rohde</i>	
The Approximate Well-Founded Semantics for Logic Programs with Uncertainty	541
<i>Yann Loyer and Umberto Straccia</i>	
Which Is the Worst-Case Nash Equilibrium?	551
<i>Thomas Lücking, Marios Mavronicolas, Burkhard Monien, Manuel Rode, Paul Spirakis, and Imrich Vrto</i>	
A Unique Decomposition Theorem for Ordered Monoids with Applications in Process Theory	562
<i>Bas Luttik</i>	
Generic Algorithms for the Generation of Combinatorial Objects	572
<i>Conrado Martínez and Xavier Molinero</i>	
On the Complexity of Some Problems in Interval Arithmetic	582
<i>K. Meer</i>	
An Abduction-Based Method for Index Relaxation in Taxonomy-Based Sources	592
<i>Carlo Meghini, Yannis Tzitzikas, and Nicolas Spyratos</i>	
On Selection Functions that Do Not Preserve Normality	602
<i>Wolfgang Merkle and Jan Reimann</i>	
On Converting CNF to DNF	612
<i>Peter Bro Miltersen, Jaikumar Radhakrishnan, and Ingo Wegener</i>	
A Basis of Tiling Motifs for Generating Repeated Patterns and Its Complexity for Higher Quorum	622
<i>N. Pisanti, M. Crochemore, R. Grossi, and M.-F. Sagot</i>	

On the Complexity of Some Equivalence Problems for Propositional Calculi	632
<i>Steffen Reith</i>	
Quantified Mu-Calculus for Control Synthesis	642
<i>Stéphane Riedweg and Sophie Pinchinat</i>	
On Probabilistic Quantified Satisfiability Games	652
<i>Marcin Rychlik</i>	
A Completeness Property of Wilke's Tree Algebras	662
<i>Saeed Salehi</i>	
Symbolic Topological Sorting with OBDDs	671
<i>Philipp Woelfel</i>	
Ershov's Hierarchy of Real Numbers	681
<i>Xizhong Zheng, Robert Rettinger, and Romain Gengler</i>	
Author Index	691