

Table of Contents

Integrity and Consistency for Untrusted Services (Extended Abstract) <i>Christian Cachin</i>	1
A Structured Codesign Approach to Many-Core Architectures for Embedded Systems <i>Jürg Gutknecht</i>	15
SIMPL Systems, or: Can We Design Cryptographic Hardware without Secret Key Information? <i>Ulrich Rührmair</i>	26
Verification of Timed-Arc Petri Nets <i>Lasse Jacobsen, Morten Jacobsen, Mikael H. Møller, and Jiří Srba</i>	46
Efficient Algorithms for Handling Nondeterministic Automata <i>Tomáš Vojnar</i>	73
The Straight-Line RAC Drawing Problem Is NP-Hard <i>Evmorfia N. Argyriou, Michael A. Bekos, and Antonios Symvonis</i>	74
Tracking the Evolution of Code Clones <i>Tibor Bakota</i>	86
Liquidsoap: A High-Level Programming Language for Multimedia Streaming <i>David Baelde, Romain Beauxis, and Samuel Mimram</i>	99
Combining Traditional Map Labeling with Boundary Labeling <i>Michael A. Bekos, Michael Kaufmann, Dimitrios Papadopoulos, and Antonios Symvonis</i>	111
On Making a Distinguished Vertex Minimum Degree by Vertex Deletion <i>Nadja Betzler, Robert Bredereck, Rolf Niedermeier, and Johannes Uhlmann</i>	123
Randomized OBDDs for the Most Significant Bit of Multiplication Need Exponential Size <i>Beate Bollig and Marc Gillé</i>	135
GreedyMAX-type Algorithms for the Maximum Independent Set Problem <i>Piotr Borowiecki and Frank Göring</i>	146

XII Table of Contents

Sequential Optimization of Matrix Chain Multiplication Relative to Different Cost Functions	157
<i>Igor Chikalov, Shahid Hussain, and Mikhail Moshkov</i>	
One-Reversal Counter Machines and Multihead Automata: Revisited ...	166
<i>Ehsan Chiniforooshan, Mark Daley, Oscar H. Ibarra, Lila Kari, and Shinnosuke Seki</i>	
Collisionless Gathering of Robots with an Extent	178
<i>Andreas Cord-Landwehr, Bastian Degener, Matthias Fischer, Martina Hüllmann, Barbara Kempkes, Alexander Klaas, Peter Kling, Sven Kurras, Marcus Märtens, Friedhelm Meyer auf der Heide, Christoph Raupach, Kamil Swierkot, Daniel Warner, Christoph Weddemann, and Daniel Wonisch</i>	
Min-Max Coverage in Multi-interface Networks	190
<i>Gianlorenzo D'Angelo, Gabriele Di Stefano, and Alfredo Navarra</i>	
Bandwidth Constrained Multi-interface Networks	202
<i>Gianlorenzo D'Angelo, Gabriele Di Stefano, and Alfredo Navarra</i>	
A Privacy-Preserving ID-Based Group Key Agreement Scheme Applied in VPAN	214
<i>Yoni De Mulder, Karel Wouters, and Bart Preneel</i>	
White Space Regions	226
<i>Shayan Ehsani, MohammadAmin Fazli, Mohammad Ghodsi, MohammadAli Safari, Morteza Saghaian, and Mohammad Tavakkoli</i>	
New Results on the Complexity of the Max- and Min-Rep Problems	238
<i>Robert Ganian</i>	
In-Place Sorting	248
<i>Viliam Geffert and Jozef Gajdoš</i>	
On d -Regular Schematization of Embedded Paths	260
<i>Andreas Gemsa, Martin Nöllenburg, Thomas Pajor, and Ignaz Rutter</i>	
Upward Point-Set Embeddability	272
<i>Markus Geyer, Michael Kaufmann, Tamara Mchedlidze, and Antonios Symvonis</i>	
Cooperative Query Answering by Abstract Interpretation	284
<i>Raju Halder and Agostino Cortesi</i>	
An Improved B+ Tree for Flash File Systems	297
<i>Ferenc Havasi</i>	

Comparing GPU and CPU in OLAP Cubes Creation <i>Krzysztof Kaczmarski</i>	308
A Power Consumption Analysis Technique Using UML-Based Design Models in Embedded Software Development <i>Doo-Hwan Kim, Jong-Phil Kim, and Jang-Eui Hong</i>	320
Advice Complexity and Barely Random Algorithms <i>Dennis Komm and Richard Královič</i>	332
Alternative Parameterizations for Cluster Editing <i>Christian Komusiewicz and Johannes Uhlmann</i>	344
The Complexity of Finding k th Most Probable Explanations in Probabilistic Networks <i>Johan H.P. Kwisthout, Hans L. Bodlaender, and Linda C. van der Gaag</i>	356
Optimal File-Distribution in Heterogeneous and Asymmetric Storage Networks <i>Tobias Langner, Christian Schindelhauer, and Alexander Souza</i>	368
On the Complexity of the Metric TSP under Stability Considerations... <i>Matúš Mihalák, Marcel Schöngens, Rastislav Šrámek, and Peter Widmayer</i>	382
Structural Properties of Hard Metric TSP Inputs (Extended Abstract) <i>Tobias Mömke</i>	394
An Automata-Theoretical Characterization of Context-Free Trace Languages <i>Benedek Nagy and Friedrich Otto</i>	406
Unambiguous UML Composite Structures: The OMEGA2 Experience <i>Iulian Ober and Iulia Dragomir</i>	418
Comparing Linear Conjunctive Languages to Subfamilies of the Context-Free Languages <i>Alexander Okhotin</i>	431
A Local Search Algorithm for Branchwidth <i>Arnold Overwijk, Eelko Penninkx, and Hans L. Bodlaender</i>	444
Finding the Description of Structure by Counting Method: A Case Study <i>Ahti Peder and Mati Tombak</i>	455

XIV Table of Contents

On Approximating the d -Girth of a Graph	467
<i>David Peleg, Ignasi Sau, and Mordechai Shalom</i>	
SScAC: Towards a Framework for Small-Scale Software Architectures Comparison	482
<i>Petr Praus, Slávka Jaroměřská, and Tomáš Černý</i>	
Folk Theorems on the Correspondence between State-Based and Event-Based Systems	494
<i>Michel A. Reniers and Tim A.C. Willemse</i>	
Privacy, Liveliness and Fairness for Reputation	506
<i>Stefan Schiffner, Sebastian Clauß, and Sandra Steinbrecher</i>	
Minimizing Interference for the Highway Model in Wireless Ad-Hoc and Sensor Networks	520
<i>Haisheng Tan, Tiancheng Lou, Francis C.M. Lau, Yuexuan Wang, and Shiteng Chen</i>	
Join-Queries between Two Spatial Datasets Indexed by a Single R*-Tree	533
<i>Michael Vassilakopoulos, Antonio Corral, and Nikitas N. Karanikolas</i>	
Information Leakage Analysis by Abstract Interpretation	545
<i>Matteo Zanioli and Agostino Cortesi</i>	
Partition into Triangles on Bounded Degree Graphs	558
<i>Johan M.M. van Rooij, Marcel E. van Kooten Niekerk, and Hans L. Bodlaender</i>	
Author Index	571