Preface

The 10th International Conference on Developments in Language Theory (DLT 2006) was held at the University of California, Santa Barbara, USA on June 26–29, 2006. This was the first DLT conference to take place in North America. Past meetings were held in Turku (1993), Magdeburg (1995), Thessaloniki (1997), Aachen (1999), Vienna (2001), Kyoto (2002), Szeged (2003), Auckland (2004), and Palermo (2005). The conference series is under the auspices of the European Association for Theoretical Computer Science.

The scope of the conference includes topics in the following areas: grammars, acceptors and transducers for strings, trees, graphs, arrays; efficient text algorithms; algebraic theories for automata and languages; combinatorial and algebraic properties of words and languages; variable-length codes; symbolic dynamics; decision problems; relations to complexity theory and logic; picture description and analysis; polyominoes and bidimensional patterns; cryptography; concurrency; bio-inspired computing; quantum computing.

This volume of Lecture Notes in Computer Science contains the papers that were presented at DLT 2006, including the abstracts or full papers of four invited lectures presented by Rajeev Alur, Yuri Gurevich, Gheorghe Paun, and Grzegorz Rozenberg.

The 36 contributed papers were selected from 63 submissions. Each submitted paper was reviewed by three Program Committee members, with the assistance of external referees. The authors of the papers came from the following countries and regions: Canada, Czech Republic, Finland, France, Germany, Greece, Hong Kong, Hungary, India, Italy, Japan, Korea, The Netherlands, Poland, Romania, Russia, South Africa, Spain, Sweden, the UK, and the USA.

A great many contributed to the success of DLT 2006. We extend our sincere thanks to the authors who submitted papers and to all those who gave presentations. We express our appreciation to the members of the Program Committee and their colleagues who assisted in the review process. To our invited speakers, we thank you for sharing your insights and expertise. We would like to acknowledge the work of the Organizing Committee, who thoughtfully and energetically planned the event over the course of months. To members of the Steering Committee, we are grateful for your counsel. Finally, we wish to recognize the kind support of the conference sponsors: Ask.com, Citrix, Google, and UCSB’s Department of Computer Science, College of Engineering, and Graduate Division.

June 2006

Oscar H. Ibarra
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# Table of Contents

## Invited Lectures

Addning Nesting Structure to Words  
*Rajeev Alur, P. Madhusudan* .......................... 1

Can Abstract State Machines Be Useful in Language Theory?  
*Yuri Gurevich, Charles Wallace* .......................... 14

Languages in Membrane Computing: Some Details for Spiking Neural P Systems  
*Gheorghe Păun* .................................................. 20

Computational Nature of Biochemical Reactions  
*A. Ehrenfeucht, G. Rozenberg* .......................... 36

## Papers

Polynomials, Fragments of Temporal Logic and the Variety DA over Traces  
*Manfred Kufleitner* .................................................. 37

Weighted Automata and Weighted Logics on Infinite Words  
*Manfred Droste, George Rahonis* .................................. 49

Simulation Relations for Alternating Parity Automata and Parity Games  
*Carsten Fritz, Thomas Wilke* .................................. 59

Equivalence of Functions Represented by Simple Context-Free Grammars with Output  
*Cédric Bastien, Jurek Czyzowicz, Wojciech Fraczak, Wojciech Rytter* .................................. 71

On the Gap-Complexity of Simple RL-Automata  
*F. Mráz, F. Otto, M. Plátek* .................................. 83

Noncanonical LALR(1) Parsing  
*Sylvain Schmitz* .................................................. 95

Context-Free Grammars and XML Languages  
*Alberto Bertoni, Christian Choffrut, Beatrice Palano* .................................. 108
<table>
<thead>
<tr>
<th>Title</th>
<th>Author(s)</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synchronization of Pushdown Automata</td>
<td>Didier Caucal</td>
<td>120</td>
</tr>
<tr>
<td>Context-Dependent Nondeterminism for Pushdown Automata</td>
<td>Martin Kutrib, Andreas Malcher</td>
<td>133</td>
</tr>
<tr>
<td>Prime Decompositions of Regular Languages</td>
<td>Yo-Sub Han, Kai Salomaa, Derick Wood</td>
<td>145</td>
</tr>
<tr>
<td>On Weakly Ambiguous Finite Transducers</td>
<td>Nicolae Santean, Sheng Yu</td>
<td>156</td>
</tr>
<tr>
<td>Ciliate Bio-operations on Finite String Multisets</td>
<td>Jürgen Dassow, György Vaszil</td>
<td>168</td>
</tr>
<tr>
<td>Characterizing DNA Bond Shapes Using Trajectories</td>
<td>Michael Domaratzki</td>
<td>180</td>
</tr>
<tr>
<td>Involution Solid and Join Codes</td>
<td>Nataša Jonoska, Lila Kari, Kalpana Mahalingam</td>
<td>192</td>
</tr>
<tr>
<td>Well-Founded Semantics for Boolean Grammars</td>
<td>Vassilis Kountouriotis, Christos Nomikos, Panos Rondogiannis</td>
<td>203</td>
</tr>
<tr>
<td>Hierarchies of Tree Series Transformations Revisited</td>
<td>Andreas Maletti</td>
<td>215</td>
</tr>
<tr>
<td>Bag Context Tree Grammars</td>
<td>Frank Drewes, Christine du Toit, Sigrid Ewert, Brink van der Merwe, Andries P.J. van der Walt</td>
<td>226</td>
</tr>
<tr>
<td>Closure of Language Classes Under Bounded Duplication</td>
<td>Masami Ito, Peter Leupold, Kayoko Shikishima-Tsuji</td>
<td>238</td>
</tr>
<tr>
<td>The Boolean Closure of Growing Context-Sensitive Languages</td>
<td>Tomasz Jurdziński</td>
<td>248</td>
</tr>
<tr>
<td>Well Quasi Orders and the Shuffle Closure of Finite Sets</td>
<td>Flavio D’Alessandro, Gwénaël Richomme, Stefano Varricchio</td>
<td>260</td>
</tr>
<tr>
<td>The Growth Ratio of Synchronous Rational Relations Is Unique</td>
<td>Olivier Carton</td>
<td>270</td>
</tr>
<tr>
<td>On Critical Exponents in Fixed Points of Non-erasing Morphisms</td>
<td>Dalia Krieger</td>
<td>280</td>
</tr>
<tr>
<td>Title</td>
<td>Authors</td>
<td>Page</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>P Systems with Proteins on Membranes and Membrane Division</td>
<td>Andrei Păun, Bianca Popa</td>
<td>292</td>
</tr>
<tr>
<td>Computing by Only Observing</td>
<td>Matteo Cavaliere, Pierluigi Frisco, Hendrik Jan Hoogeboom</td>
<td>304</td>
</tr>
<tr>
<td>A Decision Procedure for Reflexive Regular Splicing Languages</td>
<td>Paola Bonizzoni, Giancarlo Mauri</td>
<td>315</td>
</tr>
<tr>
<td>Contextual Hypergraph Grammars – A New Approach to the Generation</td>
<td>Adrian-Horia Dediu, Renate Klempien-Hinrichs, Hans-Jörg Kreowski,</td>
<td>327</td>
</tr>
<tr>
<td>of Hypergraph Languages</td>
<td>Benedek Nagy</td>
<td></td>
</tr>
<tr>
<td>End-Marked Maximal Depth-First Contextual Grammars</td>
<td>K. Lakshmanan</td>
<td>339</td>
</tr>
<tr>
<td>Some Examples of Semi-rational DAG Languages</td>
<td>Jan Robert Menzel, Lutz Priese, Monika Schuth</td>
<td>351</td>
</tr>
<tr>
<td>Finding Lower Bounds for Nondeterministic State Complexity</td>
<td>Hermann Gruber, Markus Holzer</td>
<td>363</td>
</tr>
<tr>
<td>Lowering Undecidability Bounds for Decision Questions in Matrices</td>
<td>Paul Bell, Igor Potapov</td>
<td>375</td>
</tr>
<tr>
<td>Complexity of Degenerated Three Dimensional Billiard Words</td>
<td>J.-P. Borel</td>
<td>386</td>
</tr>
<tr>
<td>Factorial Languages of Low Combinatorial Complexity</td>
<td>Arsény M. Shur</td>
<td>397</td>
</tr>
<tr>
<td>Perfect Correspondences Between Dot-Depth and Polynomial-Time</td>
<td>Christian Glaßer, Stephen Travers, Klaus W. Wagner</td>
<td>408</td>
</tr>
<tr>
<td>Hierarchy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Language Equations with Complementation</td>
<td>Alexander Okhotin, Oksana Yakimova</td>
<td>420</td>
</tr>
<tr>
<td>Synchronizing Automata with a Letter of Deficiency 2</td>
<td>D.S. Ananichev, M.V. Volkov, Yu I. Zaks</td>
<td>433</td>
</tr>
</tbody>
</table>