

Table of Contents

Bibliography of Grzegorz Rozenberg	XIII
--	------

I Words, Languages, Automata

Balanced Grammars and Their Languages	3
<i>Jean Berstel (Université Marne-la-Vallée), Luc Boasson (Université Denis-Diderot)</i>	
Safety and Liveness Properties for Real Traces and a Direct Translation from LTL to Monoids	26
<i>Volker Diekert (Universität Stuttgart), Paul Gastin (Université Paris 7)</i>	
The Delta Operation: From Strings to Trees to Strings.....	39
<i>Joost Engelfriet (Leiden University)</i>	
Infinite Solutions of Marked Post Correspondence Problem	57
<i>Vesa Halava (University of Turku), Tero Harju (University of Turku)</i>	
The Branching Point Approach to Conway's Problem.....	69
<i>Juhani Karhumäki (University of Turku), Ion Petre (University of Turku)</i>	
A Survey of Some Quantitative Approaches to the Notion of Information .	77
<i>Aldo de Luca (Università di Roma "La Sapienza")</i>	
Nondeterministic Trajectories.....	96
<i>Alexandru Mateescu (University of Bucharest), Arto Salomaa (University of Turku)</i>	
Binary Patterns in Infinite Binary Words	107
<i>Antonio Restivo (University of Palermo), Sergio Salemi (University of Palermo)</i>	

II Graph Transformations

A Sight-seeing Tour of the Computational Landscape of Graph Transformation	119
<i>Hans-Jörg Kreowski (University of Bremen)</i>	

Local Action Systems and DPO Graph Transformation	138
<i>Dirk Janssens (University of Antwerp)</i>	
Bisimulation Equivalences for Graph Grammars	158
<i>Paolo Baldan (University of Pisa), Andrea Corradini (University of Pisa), Ugo Montanari (University of Pisa)</i>	

III Petri Nets

High-Level Net Processes	191
<i>Hartmut Ehrig (Technical University of Berlin), Kathrin Hoffmann (Technical University of Berlin), Julia Padberg (Technical University of Berlin), Paolo Baldan (University of Pisa), Reiko Heckel (University of Paderborn)</i>	
Petri Net Control for Grammar Systems	220
<i>Maurice ter Beek (Leiden University), Jetty Kleijn (Leiden University)</i>	
Regular Event Structures and Finite Petri Nets: A Conjecture	244
<i>P.S. Thiagarajan (National University of Singapore)</i>	

IV Concurrent Computing

Towards Team-Automata-Driven Object-Oriented Collaborative Work	257
<i>Gregor Engels (University of Paderborn), Luuk Groenewegen (Leiden University)</i>	
Grammars as Processes	277
<i>Javier Esparza (University of Edinburgh)</i>	
Temporal Concurrent Constraint Programming: Applications and Behavior	298
<i>Mogens Nielsen (University of Aarhus), Frank D. Valencia (University of Aarhus)</i>	

V Molecular Computing

Rewriting P Systems with Conditional Communication	325
<i>Paolo Bottoni (University of Rome “La Sapienza”), Anna Labella (University of Rome “La Sapienza”), Carlos Martín-Vide (Rovira i Virgili University), Gheorghe Păun (Romanian Academy)</i>	
An Aqueous Algorithm for Finding the Bijections Contained in a Binary Relation	354
<i>Tom Head (Binghamton University)</i>	

Upper Bounds for Restricted Splicing	361
<i>Hendrik Jan Hoogeboom (Leiden University), Nikè van Vugt (Leiden University)</i>	
Codes, Involutions, and DNA Encodings	376
<i>Lila Kari (University of Western Ontario), Rob Kitto (University of Western Ontario), Gabriel Thierrin (University of Western Ontario)</i>	
DNA Manipulations in Ciliates	394
<i>David M. Prescott (University of Colorado)</i>	
<i>A Magic Pot: Self-assembly Computation Revisited</i>	<i>418</i>
<i>Takashi Yokomori (Waseda University), Yasubumi Sakakibara (Tokyo Denki University), Satoshi Kobayashi (University of Electro-Communications)</i>	
Author Index	431

Formal and Natural Computing

Essays Dedicated to Grzegorz Rozenberg

Brauer, W.; Ehrig, H.; Karhumäki, J.; Salomaa, A.K. (Eds.)

2002, XXXVI, 436 p., Softcover

ISBN: 978-3-540-43190-9