Table of Contents - Part II

Track B: Logic, Semantics, Automata, and Theory of Programming

Jason Bell, Janusz Brzozowski, Nelma Moreira, and Rogério Reis	1
Handling Infinitely Branching WSTS	13
Transducers with Origin Information	26
Weak MSO+U with Path Quantifiers over Infinite Trees	38
On the Decidability of MSO+U on Infinite Trees	50
A Coalgebraic Foundation for Coinductive Union Types	62
Turing Degrees of Limit Sets of Cellular Automata	74
On the Complexity of Temporal-Logic Path Checking Daniel Bundala and Joël Ouaknine	86
Parameterised Linearisability	98
Games with a Weak Adversary	110
The Complexity of Ergodic Mean-payoff Games	122
Toward a Structure Theory of Regular Infinitary Trace Languages $Namit\ Chaturvedi$	134
Unary Pushdown Automata and Straight-Line Programs	146

XX

Table of Contents – Part II	XXI
Going Higher in the First-Order Quantifier Alternation Hierarchy on Words	342
Hardness Results for Intersection Non-Emptiness	354
Branching Bisimilarity Checking for PRS	363
Track C: Foundations of Networked Computing	
Labeling Schemes for Bounded Degree Graphs	375
Bounded-Angle Spanning Tree: Modeling Networks with Angular Constraints	387
Distributed Computing on Core-Periphery Networks: Axiom-Based Design Chen Avin, Michael Borokhovich, Zvi Lotker, and David Peleg	399
Fault-Tolerant Rendezvous in Networks	411
Data Delivery by Energy-Constrained Mobile Agents on a Line Jérémie Chalopin, Riko Jacob, Matúš Mihalák, and Peter Widmayer	423
The Power of Two Choices in Distributed Voting	435
Jamming-Resistant Learning in Wireless Networks Johannes Dams, Martin Hoefer, and Thomas Kesselheim	447
Facility Location in Evolving Metrics	459
Solving the ANTS Problem with Asynchronous Finite State Machines	471
Near-Optimal Distributed Approximation of Minimum-Weight Connected Dominating Set	483
Randomized Rumor Spreading in Dynamic Graphs	495

XXII Table of Contents - Part II

Online Independent Set Beyond the Worst-Case: Secretaries, Prophets, and Periods	508
Optimal Competitiveness for Symmetric Rectilinear Steiner Arborescence and Related Problems	520
Orienting Fully Dynamic Graphs with Worst-Case Time Bounds Tsvi Kopelowitz, Robert Krauthgamer, Ely Porat, and Shay Solomon	532
Does Adding More Agents Make a Difference? A Case Study of Cover Time for the Rotor-Router	544
The Melbourne Shuffle: Improving Oblivious Storage in the Cloud Olga Ohrimenko, Michael T. Goodrich, Roberto Tamassia, and Eli Upfal	556
Sending Secrets Swiftly: Approximation Algorithms for Generalized Multicast Problems	568
Bypassing Erdős' Girth Conjecture: Hybrid Stretch and Sourcewise Spanners	608
Author Index	621