1. Record Nr. UNISA996465879103316

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| Titolo | Language and Automata Theory and Applications [[electronic resource] ] : 4th International Conference, LATA 2010, Trier, Germany, May 24-28, 2010, Proceedings / / edited by Carlos Martin-Vide, Henning Fernau, Adrian Horia Dediu |
| Pubbl/distr/stampa | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2010 |
| ISBN | 1-280-38660-6<br>9786613564528<br>3-642-13089-5 |
| Edizione | [1st ed. 2010.] |
| Descrizione fisica | 1 online resource (XIV, 622 p. 92 illus.) |
| Collana | Theoretical Computer Science and General Issues, , 2512-2029 ; ; 6031 |
| Disciplina | 410.1/15 |
| Soggetti | Computer programming<br>Compilers (Computer programs)<br>Pattern recognition systems<br>Computer science<br>Algorithms<br>Artificial intelligence<br>Programming Techniques<br>Compilers and Interpreters<br>Automated Pattern Recognition<br>Theory of Computation<br>Artificial Intelligence |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Bibliographic Level Mode of Issuance: Monograph |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Invited Talks -- Complexity in Convex Languages -- Three Learnable Models for the Description of Language -- Arbology: Trees and Pushdown Automata -- Analysis of Communicating Automata -- Regular Papers -- Complexity of the Satisfiability Problem for a Class of Propositional Schemata -- A Simple n-Dimensional Intrinsically Universal Quantum Cellular Automaton -- A Fast Longest Common Subsequence Algorithm for Similar Strings -- Abelian Square-Free |

Partial Words -- Avoidable Binary Patterns in Partial Words -- Equivalence and Inclusion Problem for Strongly Unambiguous Büchi Automata -- Pregroup Grammars with Letter Promotions -- A Hierarchical Classification of First-Order Recurrent Neural Networks -- Choosing Word Occurrences for the Smallest Grammar Problem -- Agreement and Cliticization in Italian: A Pregroup Analysis -- Geometricity of Binary Regular Languages -- On the Expressive Power of FO[?+?] -- Finding Consistent Categorial Grammars of Bounded Value: A Parameterized Approach -- Operator Precedence and the Visibly Pushdown Property -- On the Maximal Number of Cubic Runs in a String -- On the Hamiltonian Operators for Adiabatic Quantum Reduction of SAT -- Parametric Metric Interval Temporal Logic -- Short Witnesses and Accepting Lassos in ?-Automata -- Grammar-Based Compression in a Streaming Model -- Simplifying Regular Expressions -- A Programming Language Tailored to the Specification and Solution of Differential Equations Describing Processes on Networks -- The Inclusion Problem for Regular Expressions -- Learnability of Automatic Classes -- Untestable Properties Expressible with Four First-Order Quantifiers -- The Copying Power of Well-Nested Multiple Context-Free Grammars -- Post Correspondence Problem with Partially Commutative Alphabets -- Reversible Pushdown Automata -- String Extension Learning Using Lattices -- The Equivalence Problem of Deterministic Multitape Finite Automata: A New Proof of Solvability Using a Multidimensional Tape -- Primitive Words Are Unavoidable for Context-Free Languages -- Modal Nonassociative Lambek Calculus with Assumptions: Complexity and Context-Freeness -- Hard Counting Problems for Partial Words -- Exact Analysis of Horspool’s and Sunday’ s Pattern Matching Algorithms with Probabilistic Arithmetic Automata -- SA-REPC – Sequence Alignment with Regular Expression Path Constraint -- CD-Systems of Stateless Deterministic R(1)-Automata Accept All Rational Trace Languages -- A Boundary between Universality and Non-universality in Extended Spiking Neural P Systems -- Using Sums-of-Products for Non-standard Reasoning -- Restarting Automata with Structured Output and Functional Generative Description -- A Randomized Numerical Aligner (rNA) -- Language-Based Comparison of Petri Nets with Black Tokens, Pure Names and Ordered Data -- Verifying Complex Continuous Real-Time Systems with Coinductive CLP(R) -- Incremental Building in Peptide Computing to Solve Hamiltonian Path Problem -- Variable Automata over Infinite Alphabets -- Some Minimality Results on Biresidual and Biseparable Automata -- Extending Stochastic Context-Free Grammars for an Application in Bioinformatics -- Chomsky-Schützenberger-Type Characterization of Multiple Context-Free Languages -- Complexity of Guided Insertion-Deletion in RNA-Editing.