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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Invited Talks -- Distributed Quantum Computing -- Selfish Routing in Non-cooperative Networks: A Survey -- Process Algebraic Frameworks for the Specification and Analysis of Cryptographic Protocols -- Semantic and Syntactic Approaches to Simulation Relations -- On the Computational Complexity of Conservative Computing -- Constructing Infinite Graphs with a Decidable MSO-Theory -- Towards a Theory of Randomized Search Heuristics -- Contributed Papers -- Adversarial Models for Priority-Based Networks -- On Optimal Merging Networks -- Problems which Cannot Be Reduced to Any Proper Subproblems --

ACID-Unification Is NEXPTIME-Decidable -- Completeness in Differential Approximation Classes -- On the Length of the Minimum Solution of Word Equations in One Variable -- Smoothed Analysis of Three Combinatorial Problems -- Inferring Strings from Graphs and Arrays -- Faster Algorithms for k-Medians in Trees -- Periodicity and Transitivity for Cellular Automata in Besicovitch Topologies -- Starting with Nondeterminism: The Systematic Derivation of Linear-Time Graph Layout Algorithms -- Error-Bounded Probabilistic Computations between MA and AM -- A Faster FPT Algorithm for Finding Spanning Trees with Many Leaves -- Symbolic Analysis of Crypto-Protocols Based on Modular Exponentiation -- Denotational Testing Semantics in Coinductive Form -- Lower Bounds for General Graph–Driven Read–Once Parity Branching Programs -- The Minimal Graph Model of Lambda Calculus -- Unambiguous Automata on Bi-infinite Words -- Relating Hierarchy of Temporal Properties to Model Checking -- Arithmetic Constant-Depth Circuit Complexity Classes -- Inverse NP Problems -- A Linear-Time Algorithm for 7-Coloring 1-Planar Graphs -- Generalized Satisfiability with Limited Occurrences per Variable: A Study through Delta-Matroid Parity -- Randomized Algorithms for Determining the Majority on Graphs -- Using Transitive–Closure Logic for Deciding Linear Properties of Monoids -- Linear-Time Computation of Local Periods -- Two Dimensional Packing: The Power of Rotation -- Approximation Schemes for the Min-Max Starting Time Problem -- Quantum Testers for Hidden Group Properties -- Local LTL with Past Constants Is Expressively Complete for Mazurkiewicz Traces -- LTL with Past and Two-Way Very-Weak Alternating Automata -- Match-Bounded String Rewriting Systems -- Probabilistic and Nondeterministic Unary Automata -- On Matroid Properties Definable in the MSO Logic -- Characterizations of Catalytic Membrane Computing Systems -- Augmenting Local Edge-Connectivity between Vertices and Vertex Subsets in Undirected Graphs -- Scheduling and Traffic Allocation for Tasks with Bounded Splittability -- Computing Average Value in Ad Hoc Networks -- A Polynomial-Time Algorithm for Deciding True Concurrency Equivalences of Basic Parallel Processes -- Solving the Sabotage Game Is PSPACE-Hard -- The Approximate Well-Founded Semantics for Logic Programs with Uncertainty -- Which Is the Worst-Case Nash Equilibrium? -- A Unique Decomposition Theorem for Ordered Monoids with Applications in Process Theory -- Generic Algorithms for the Generation of Combinatorial Objects -- On the Complexity of Some Problems in Interval Arithmetic -- An Abduction-Based Method for Index Relaxation in Taxonomy-Based Sources -- On Selection Functions that Do Not Preserve Normality -- On Converting CNF to DNF -- A Basis of Tiling Motifs for Generating Repeated Patterns and Its Complexity for Higher Quorum -- On the Complexity of Some Equivalence Problems for Propositional Calculi -- Quantified Mu-Calculus for Control Synthesis -- On Probabilistic Quantified Satisfiability Games -- A Completeness Property of Wilke’s Tree Algebras -- Symbolic Topological Sorting with OBDDs -- Ershov’s Hierarchy of Real Numbers.