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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Invited Talk 1 -- Recent Developments in the Theory of Arrangements of Surfaces -- Session 1(a) -- Dynamic Compressed Hyperoctrees with Application to the N-body Problem -- Largest Empty Rectangle among a Point Set -- Session 1(b) -- Renaming Is Necessary in Timed Regular Expressions -- Product Interval Automata: A Subclass of Timed Automata -- Session 2(a) -- The Complexity of Rebalancing a Binary Search Tree -- Fast Allocation and Deallocation with an Improved Buddy System -- Session 2(b) -- Optimal Bounds for Transformations of ?-Automata -- CTL+ Is Exponentially More Succinct than CTL -- Invited Talk 2 -- A Top-Down Look at a Secure Message -- Session 3 -- Explaining Updates by Minimal Sums -- A Foundation for Hybrid Knowledge Bases -- Session 4 -- Hoare Logic for Mutual Recursion and Local Variables -- Invited Talk 3 -- Explicit Substitutions and Programming Languages -- Session 5(a) -- Approximation Algorithms for Routing and Call Scheduling in All-Optical Chains and Rings -- A Randomized Algorithm for Flow Shop Scheduling -- Session 5(b) -- Synthesizing Distributed Transition Systems from Global Specifications -- Beyond Region Graphs: Symbolic Forward Analysis of Timed Automata -- Session 6 -- Implicit Temporal Query Languages: Towards Completeness -- On the Undecidability of Some Sub-classical First-Order Logics -- Invited Talk 4 -- How to Compute with DNA -- Session

7(a) -- A High Girth Graph Construction and a Lower Bound for Hitting Set Size for Combinatorial Rectangles -- Protecting Facets in Layered Manufacturing -- Session 7(b) -- The Receptive Distributed λ -Calculus -- Series and Parallel Operations on Pomsets -- Session 8 -- Unreliable Failure Detectors with Limited Scope Accuracy and an Application to Consensus -- Invited Talk 5 -- Graph Isomorphism: Its Complexity and Algorithms -- Session 9(a) -- Computing with Restricted Nondeterminism: The Dependence of the OBDD Size on the Number of Nondeterministic Variables -- Lower Bounds for Linear Transformed OBDDs and FBDDs -- Session 9(b) -- A Unifying Framework for Model Checking Labeled Kripke Structures, Modal Transition Systems, and Interval Transition Systems -- Graded Modalities and Resource Bisimulation -- Session 10(a) -- The Non-recursive Power of Erroneous Computation -- Analysis of Quantum Functions -- Session 10(b) -- On Sets Growing Continuously -- Model Checking Knowledge and Time in Systems with Perfect Recall -- FST&TCS — ISAAC Joint Session Talks -- The Engineering of Some Bipartite Matching Programs.
