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Disciplina	005.7/3
Soggetti	Algorithms Artificial intelligence—Data processing Computer science—Mathematics Discrete mathematics Computer graphics Numerical analysis Data Science Discrete Mathematics in Computer Science Computer Graphics Numerical Analysis
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Session 1 -- Towards a Theory of Algorithms -- Session 2A -- k-Restricted Rotation with an Application to Search Tree Rebalancing -- Heap Building Bounds -- Session 2B -- The Multi-radius Cover Problem -- Parameterized Complexity of Generalized Vertex Cover Problems -- The Complexity of Implicit and Space Efficient Priority Queues -- Analysis of a Class of Tries with Adaptive Multi-digit Branching -- Balanced Aspect Ratio Trees Revisited -- Session 3B -- Improved Combinatorial Group Testing for Real-World Problem Sizes -- Parameterized Counting Algorithms for General Graph Covering Problems -- Approximating the Online Set Multicover Problems via Randomized Winnowing -- Session 4A -- Max-stretch Reduction for

Tree Spanners -- Succinct Representation of Triangulations with a Boundary -- Line-Segment Intersection Made In-Place -- Session 4B -- Improved Fixed-Parameter Algorithms for Two Feedback Set Problems -- Communication-Aware Processor Allocation for Supercomputers -- Dynamic Hotlinks -- Session 6A -- The Minimum-Area Spanning Tree Problem -- Hinged Dissection of Polypolyhedra -- Session 6B -- Convex Recolorings of Strings and Trees: Definitions, Hardness Results and Algorithms -- Linear Time Algorithms for Generalized Edge Dominating Set Problems -- Session 7A -- On Geometric Dilation and Halving Chords -- Orthogonal Subdivisions with Low Stabbing Numbers -- Kinetic and Dynamic Data Structures for Convex Hulls and Upper Envelopes -- Session 7B -- Approximation Algorithms for Forests Augmentation Ensuring Two Disjoint Paths of Bounded Length -- A Dynamic Implicit Adjacency Labelling Scheme for Line Graphs -- The On-line Asymmetric Traveling Salesman Problem -- Session 8A -- All-Pairs Shortest Paths with Real Weights in $O(n^3/\log n)$ Time -- k-Link Shortest Paths in Weighted Subdivisions -- Power-Saving Scheduling for Weakly Dynamic Voltage Scaling Devices -- Session 8B -- Improved Approximation Algorithms for Metric Maximum ATSP and Maximum 3-Cycle Cover Problems -- On the Vehicle Routing Problem -- Session 9A -- The Structure of Optimal Prefix-Free Codes in Restricted Languages: The Uniform Probability Case -- Tradeoffs Between Branch Mispredictions and Comparisons for Sorting Algorithms -- Derandomization of Dimensionality Reduction and SDP Based Algorithms -- Session 9B -- Subquadratic Algorithms for 3SUM -- Near-Optimal Pricing in Near-Linear Time -- Improved Approximation Bounds for Planar Point Pattern Matching.
