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| Nota di bibliografia | Includes bibliographical references at the end of each chapters and index. |
| Nota di contenuto | Session 1 - Invited Talk -- Approximation of Multiobjective Optimization Problems -- Session 2A -- Optimal, Suboptimal, and Robust Algorithms for Proximity Graphs -- Optimal Möbius Transformations for Information Visualization and Meshing -- Session 2B -- Using the Pseudo-Dimension to Analyze Approximation Algorithms for Integer Programming -- On the Complexity of Scheduling Conditional Real-Time Code -- Session 3A -- Time Responsive External Data Structures for Moving Points -- Voronoi Diagrams for Moving Disks and Applications -- Session 3B -- Fast |

Fixed-Parameter Tractable Algorithms for Nontrivial Generalizations of Vertex Cover -- Deciding Clique-Width for Graphs of Bounded Tree-Width -- Session 4A -- Complexity Bounds for Vertical Decompositions of Linear Arrangements in Four Dimensions -- Optimization over Zonotopes and Training Support Vector Machines -- Reporting Intersecting Pairs of Polytopes in Two and Three Dimensions -- Session 4B -- Seller-Focused Algorithms for Online Auctioning -- Competitive Analysis of the LRFU Paging Algorithm -- Admission Control to Minimize Rejections -- Session 5 - Invited Talk -- Secure Multi-party Computational Geometry -- Session 6A -- The Grid Placement Problem -- On the Reflexivity of Point Sets -- Session 6B -- A 7/8-Approximation Algorithm for Metric Max TSP -- Approximating Multi-objective Knapsack Problems -- Session 7A -- Visual Ranking of Link Structures -- A Simple Linear Time Algorithm for Proper Box Rectangular Drawings of Plane Graphs -- Session 7B -- Short and Simple Labels for Small Distances and Other Functions -- Fast Boolean Matrix Multiplication for Highly Clustered Data -- Session 8A -- Partitioning Colored Point Sets into Monochromatic Parts -- The Analysis of a Probabilistic Approach to Nearest Neighbor Searching -- I/O-Efficient Shortest Path Queries in Geometric Spanners -- Session 8B -- Higher-Dimensional Packing with Order Constraints -- Bin Packing with Item Fragmentation -- Practical Approximation Algorithms for Separable Packing Linear Programs -- Session 9 - Invited Talk -- The Challenges of Delivering Content on the Internet -- Session 10A -- Upward Embeddings and Orientations of Undirected Planar Graphs -- An Approach for Mixed Upward Planarization -- Session 10B -- A Linear-Time Algorithm for Computing Inversion Distance between Signed Permutations with an Experimental Study -- Computing Phylogenetic Roots with Bounded Degrees and Errors -- Session 11A -- A Decomposition-Based Approach to Layered Manufacturing -- When Can You Fold a Map? -- Session 11B -- Search Trees with Relaxed Balance and Near-Optimal Height -- Succinct Dynamic Data Structures -- Session 12A -- Optimal Algorithms for Two-Guard Walkability of Simple Polygons -- Movement Planning in the Presence of Flows -- Session 12B -- Small Maximal Independent Sets and Faster Exact Graph Coloring -- On External-Memory Planar Depth First Search.
