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Nota di contenuto	Invited Lectures -- External Memory Algorithms -- Design and Analysis of Dynamic Processes: A Stochastic Approach (Invited Paper) -- Data Structures -- Car-Pooling as a Data Structuring Device: The Soft Heap -- Optimal Prefix-Free Codes for Unequal Letter Costs: Dynamic Programming with the Monge Property -- Finding All the Best Swaps of a Minimum Diameter Spanning Tree Under Transient Edge Failures -- Strings and Biology -- Augmenting Suffix Trees, with Applications -- Longest Common Subsequence from Fragments via Sparse Dynamic Programming -- Computing the Edit-Distance Between Unrooted Ordered Trees -- Analogs and Duals of the MAST Problem for Sequences and Trees -- Numerical Algorithms -- Complexity Estimates Depending on Condition and Round-Off Error -- Intrinsic Near Quadratic Complexity Bounds for Real Multivariate Root Counting -- Fast Algorithms for Linear Algebra Modulo N -- A Probabilistic Zero-Test for Expressions Involving Roots of Rational Numbers -- Geometry -- Geometric Searching in Walkthrough Animations with Weak Spanners in Real Time -- A Robust Region Approach to the Computation of Geometric Graphs (Extended Abstract) -- Positioning Guards at Fixed Height Above a Terrain — An Optimum Inapproximability Result -- Two-Center Problems for a Convex Polygon (Extended Abstract) -- Constructing Binary Space Partitions for Orthogonal Rectangles in Practice -- Randomized and On-Line Algorithms -- A Fast Random

Greedy Algorithm for the Component Commonality Problem -- Maximizing Job Completions Online -- A Randomized Algorithm for Two Servers on the Line (Extended Abstract) -- Parallel and Distributed Algorithms I -- On Nonblocking Properties of the Beneš Network -- Adaptability and the Usefulness of Hints (Extended Abstract) -- Fault-Tolerant Broadcasting in Radio Networks (Extended Abstract) -- New Bounds for Oblivious Mesh Routing -- Evaluating Server-Assisted Cache Replacement in the Web -- Graph Algorithms -- Fully Dynamic Shortest Paths and Negative Cycles Detection on Digraphs with Arbitrary Arc Weights -- A Functional Approach to External Graph Algorithms -- Minimal Triangulations for Graphs with "Few" Minimal Separators -- Finding an Optimal Path without Growing the Tree -- An Experimental Study of Dynamic Algorithms for Directed Graphs -- Matching Medical Students to Pairs of Hospitals: A New Variation on a Well-known Theme -- Parallel and Distributed Algorithms II -- ?-Stepping : A Parallel Single Source Shortest Path Algorithm -- Improved Deterministic Parallel Padded Sorting -- Analyzing an Infinite Parallel Job Allocation Process -- Nearest Neighbor Load Balancing on Graphs -- Optimization -- 2-Approximation Algorithm for Finding a Spanning Tree with Maximum Number of Leaves -- Moving-Target TSP and Related Problems -- Fitting Points on the Real Line and Its Application to RH Mapping -- Approximate Coloring of Uniform Hypergraphs (Extended Abstract) -- Techniques for Scheduling with Rejection -- Computer-Aided Way to Prove Theorems in Scheduling.
