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Nota di contenuto	Invited Presentation -- The Discrepancy Method -- Implementing Algorithms and Data Structures: An Educational and Research Perspective -- Geometry I -- L? Voronoi Diagrams and Applications to VLSI Layout and Manufacturing -- Facility Location on Terrains -- Computing Weighted Rectilinear Median and Center Set in the Presence of Obstacles -- Complexity I -- Maximizing Agreement with a Classification by Bounded or Unbounded number of Associated Words -- Disjunctions of Horn Theories and Their Cores -- Checking Programs Discreetly: Demonstrating Result-Correctness Efficiently While Concealing It -- Graph Drawing -- Two-Layer Planarization in Graph Drawing -- Computing Orthogonal Drawings in a Variable Embedding Setting -- Dynamic Grid Embedding with Few Bends and Changes -- On-Line Algorithm and Scheduling -- Two New Families of List Update Algorithms -- An Optimal Algorithm for On-Line Palletizing at Delivery Industry -- On-Line Scheduling of Parallel Jobs with Runtime Restrictions -- CAD/CAM and Graphics -- Testing the Quality of Manufactured Disks and Cylinders -- Casting with Skewed Ejection Direction -- Repairing Flaws in a Picture Based on a Geometric Representation of a Digital Image -- Graph Algorithm I -- k-Edge and 3-Vertex Connectivity Augmentation in an Arbitrary Multigraph -- Polyhedral Structure of Submodular and Posi-modular Systems -- Maximizing the number of Connections in Optical Tree Networks --

Best Paper Presentation -- Selecting the k Largest Elements with Parity Tests -- Randomized Algorithm -- Randomized K-Dimensional Binary Search Trees -- Randomized  $O(\log \log n)$ -Round Leader Election Protocols in Packet Radio Networks -- Random Regular Graphs with Edge Faults: Expansion through Cores -- Complexity II -- A Quantum Polynomial Time Algorithm in Worst Case for Simon's Problem -- Generalized Graph Colorability and Compressibility of Boolean Formulae -- On the Complexity of Free Monoid Morphisms -- Graph Algorithm II -- Characterization of Efficiently Solvable Problems on Distance-Hereditary Graphs -- Fast Algorithms for Independent Domination and Efficient Domination in Trapezoid Graphs -- Finding Planar Geometric Automorphisms in Planar Graphs -- Combinatorial Problem -- New Approach for Speeding Up Enumeration Algorithms -- Hamiltonian Decomposition of Recursive Circulants -- Convertibility among Grid Filling Curves -- Geometry II -- Generalized Self-Approaching Curves -- The Steiner Tree Problem in  $\mathbb{R}^4$ -geometry Plane -- Computational Biology -- Approximation and Exact Algorithms for RNA Secondary Structure Prediction and Recognition of Stochastic Context-Free Languages -- On the Multiple Gene Duplication Problem -- Geometry III -- Visibility Queries in Simple Polygons and Applications -- Quadtree Decomposition, Steiner Triangulation, and Ray Shooting -- Optimality and Integer Programming Formulations of Triangulations in General Dimension -- Approximation Algorithm -- Space-Efficient Approximation Algorithms for MAXCUT and COLORING Semidefinite Programs -- A Capacitated Vehicle Routing Problem on a Tree -- Approximation Algorithms for Some Optimum Communication Spanning Tree Problems -- Complexity III -- The Edge-Disjoint Paths Problem is NP-Complete for Partial k-Trees -- Inapproximability Results for Guarding Polygons without Holes -- The Inapproximability of Non NP-hard Optimization Problems -- Parallel and Distributed Algorithm -- An Efficient NC Algorithm for a Sparse k-Edge-Connectivity Certificate -- A Parallel Algorithm for Sampling Matchings from an Almost Uniform Distribution -- Optimal Approximate Agreement with Omission Faults.

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