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Nota di contenuto	Invited Papers -- Further Reflections on a Theory for Basic Algorithms -- Algorithmic DNA Self-assembly -- Contributed Papers -- Online Scheduling on Parallel Machines with Two GoS Levels -- Online Dial-A-Ride Problem with Time-Windows Under a Restricted Information Model -- Online Scheduling with Hard Deadlines on Parallel Machines -- Maximizing the Throughput of Multiple Machines On-Line -- Lattice Embedding of Direction-Preserving Correspondence over Integrally

Convex Set -- Linear Programming Polytope and Algorithm for Mean Payoff Games -- Atomic Routing Games on Maximum Congestion -- Equilibrium Distribution of Advertising Prices -- Finding Faithful Boyce-Codd Normal Form Decompositions -- Instant Service Policy and Its Application to Deficit Round Robin -- A Compression-Boosting Transform for Two-Dimensional Data -- Non-metric Multicommodity and Multilevel Facility Location -- Sublinear Time Width-Bounded Separators and Their Application to the Protein Side-Chain Packing Problem -- Polygonal Curve Approximation Using Grid Points with Application to a Triangular Mesh Generation with Small Number of Different Edge Lengths -- Distributions of Points and Large Convex Hulls of k Points -- Throwing Stones Inside Simple Polygons -- Some Basics on Tolerances -- Note on a Class of Admission Control Policies for the Stochastic Knapsack Problem -- Inverse Bottleneck Optimization Problems on Networks -- An Efficient Algorithm for Evacuation Problems in Dynamic Network Flows with Uniform Arc Capacity -- Connected Set Cover Problem and Its Applications -- A Branch and Bound Algorithm for Exact, Upper, and Lower Bounds on Treewidth -- Recognition of Probe Cographs and Partitioned Probe Distance Hereditary Graphs -- A New Approach for Solving the Maximum Clique Problem -- The Approximability of the Exemplar Breakpoint Distance Problem -- Computing the k -Seeds of a String -- Subsequence Packing: Complexity, Approximation, and Application -- Decomposition Based Heuristic Approach to Frequency Reassignment Problem -- Approximation Algorithms for Minimum Span Channel Assignment Problems -- Weighted Broadcast in Linear Radio Networks -- Secure Overlay Network Design -- A Portfolio Selection Method Based on Possibility Theory -- Branch on Price: A Fast Winner Determination Algorithm for Discount Auctions -- Note on an Auction Procedure for a Matching Game in Polynomial Time.

Sommario/riassunto

This book constitutes the refereed proceedings of the Second International Conference on Algorithmic Aspects in Information and Management, AAIM 2006, held in Hong Kong, June 2006. The book presents 34 revised full papers together with abstracts of 2 invited talks. The papers cover topics from areas such as online scheduling, game and finance, data structures and algorithms, computational geometry, optimization, graph, and string, and more.
