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	Nota di contenuto	Invited Talks -- Vertex Domination in Dynamic Networks -- Closing the Gap Between Theory and Practice: New Measures for On-Line Algorithm Analysis -- Simple Geometrical Intersection Graphs -- Bioinformatics Algorithms -- On the Approximability of Comparing Genomes with Duplicates -- Indexing Circular Patterns -- A Fast Algorithm to Calculate Powers of a Boolean Matrix for Diameter Computation of Random Graphs -- Computational Geometry and Graph Drawing -- Cover Ratio of Absolute Neighbor -- Computing ?-Drawings of 2-Outerplane Graphs in Linear Time -- Upward Drawings of Trees on the

Minimum Number of Layers -- Guarding Exterior Region of a Simple Polygon -- Computing Nice Projections of Convex Polyhedra -- Graph Algorithms I -- A Compact Encoding of Plane Triangulations with Efficient Query Supports -- Four-Connected Spanning Subgraphs of Doughnut Graphs -- Exact Algorithms for Maximum Acyclic Subgraph on a Superclass of Cubic Graphs -- Algorithm Engineering -- Linear-Time 3-Approximation Algorithm for the r-Star Covering Problem -- Multi-commodity Source Location Problems and Price of Greed -- Inverse Booking Problem: Inverse Chromatic Number Problem in Interval Graphs -- Optimal Algorithms for Detecting Network Stability -- On Certain New Models for Paging with Locality of Reference -- Graph Algorithms II -- Listing All Plane Graphs -- Pairwise Compatibility Graphs -- Multilevel Bandwidth and Radio Labelings of Graphs.

Sommario/riassunto	This book constitutes the refereed proceedings of the Second International Workshop on Algorithms and Computation, WALCOM 2008, held in Dhaka, Bangladesh, in February 2008. The 19 revised full papers presented together with 3 invited papers were carefully reviewed and selected from 57 submissions. The papers feature original research in the areas of algorithms and data structures, combinatorial algorithms, graph drawings and graph algorithms, parallel and distributed algorithms, string algorithms, computational geometry, graphs in bioinformatics and computational biology. The papers are organized in topical sections on bioinformatics algorithms, computational geometry and graph drawing, graph algorithms, and algorithm engineering.