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Altri autori (Persone)	CalamoneriTiziana DiazJosep
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Nota di bibliografia	Includes bibliographic references and index.
Nota di contenuto	Invited Talks -- Towards a Distributed Search Engine -- Mechanisms for the Marriage and the Assignment Game -- Resilient Algorithms and Data Structures -- Session 1. Graph Algorithms I -- An Exact Algorithm for Connected Red-Blue Dominating Set -- Maximizing PageRank with New Backlinks -- Enumerating Rooted Graphs with Reflectional Block Structures -- Improved Approximations for TSP with Simple Precedence

Constraints -- Polynomial Space Algorithms for Counting Dominating
 Sets and the Domatic Number -- Session 2. Computational Complexity
 -- Parameterized Complexity of Even/Odd Subgraph Problems --
 Popular Matchings in the Marriage and Roommates Problems --
 Bounding the Number of Tolerable Faults in Majority-Based Systems --
 A Parameterized Algorithm for Chordal Sandwich -- Testing
 Computability by Width-2 OBDDs Where the Variable Order is Unknown
 -- Session 3. Graph Coloring -- Graph Unique-Maximum and Conflict-
 Free Colorings -- Strategic Coloring of a Graph -- Session 4. Tree
 Algorithms and Tree Decompositions -- Multicut Algorithms via Tree
 Decompositions -- The Steiner Tree Reoptimization Problem with
 Sharpened Triangle Inequality -- Kernelization for Maximum Leaf
 Spanning Tree with Positive Vertex Weights -- A Planar Linear
 Arboricity Conjecture -- Session 5. Computational Geometry -- On the
 Number of Higher Order Delaunay Triangulations -- How Simple
 Robots Benefit from Looking Back -- Session 6. Game Theory -- On
 Strategy Improvement Algorithms for Simple Stochastic Games --
 Online Cooperative Cost Sharing -- Session 7. Graph Algorithms II --
 On the Power of Nodes of Degree Four in the Local Max-Cut Problem
 -- Packing Bipartite Graphs with Covers of Complete Bipartite Graphs
 -- Irredundant Set Faster Than $O(2^n)$ -- The Complexity of
 Computing Minimal Unidirectional Covering Sets -- A
 Parameterized Route to Exact Puzzles: Breaking the 2^n -Barrier for
 Irredundance -- Session 8. String Algorithms -- Finding the Maximum
 Suffix with Fewer Comparisons -- An Algorithmic Framework for Motif
 Discovery Problems in Weighted Sequences -- Session 9. Network
 Algorithms -- Capacitated Confluent Flows: Complexity and Algorithms
 -- Preprocessing Speed-Up Techniques Is Hard -- Communication
 Requirements for Stable Marriages.

Sommario/riassunto

This volume contains the papers presented at the 7th International
 Conference on Algorithms and Complexity (CIAC-2010),
 which took place at Sapienza University of Rome, during May 26-28,
 2010. The volume contains 30 accepted papers, selected by the
 Program Committee from 114 submissions received, with an
 acceptance ratio of 26%. We thank all the authors who submitted
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 reviewers. We are grateful also to the invited speakers, Ricardo
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