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| Altri autori (Persone) | DiekertVolker <1955-><br>DurandB (Bruno) |
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| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Invited Talks -- Automorphisms of Finite Rings and Applications to Complexity of Problems -- Algebraic Generating Functions in Enumerative Combinatorics and Context-Free Languages -- Algorithmics in Exponential Time -- Session 1A -- Worst-Case and Average-Case Approximations by Simple Randomized Search Heuristics -- Sampling Sub-problems of Heterogeneous Max-cut Problems and Approximation Algorithms -- Truthful Approximation Mechanisms for Scheduling Selfish Related Machines -- Session 1B -- Counting in the Two Variable Guarded Logic with Transitivity -- The Variable Hierarchy of the ?-Calculus Is Strict -- The Core of a Countably Categorical Structure -- Session 2A -- How Common Can Be Universality for Cellular Automata? -- Cellular Automata: Real-Time Equivalence Between One-Dimensional Neighborhoods -- Session 2B -- On the Decidability of Temporal Properties of Probabilistic Pushdown Automata -- Deciding Properties of Contract-Signing Protocols -- Session 3A -- Polylog-Time Reductions Decrease Dot-Depth -- On the Computational Complexity of the Forcing Chromatic Number -- More Efficient Queries in PCPs for NP and Improved Approximation Hardness of Maximum CSP -- Session 3B -- Three Optimal Algorithms for Balls of Three Colors -- Cost Sharing and Strategyproof Mechanisms for Set Cover Games -- On Weighted Balls-into-Bins Games -- Session 4A -- Computing Minimal Multi-homogeneous Bézout Numbers Is Hard -- Dynamic Complexity |

Theory Revisited -- Parametric Duality and Kernelization: Lower Bounds and Upper Bounds on Kernel Size -- Session 4B -- Shortest Monotone Descent Path Problem in Polyhedral Terrain -- Packet Buffering: Randomization Beats Deterministic Algorithms -- Solving Medium-Density Subset Sum Problems in Expected Polynomial Time -- Session 5A -- Quantified Constraint Satisfaction, Maximal Constraint Languages, and Symmetric Polymorphisms -- Regular Tree Languages Definable in FO -- Recursive Markov Chains, Stochastic Grammars, and Monotone Systems of Nonlinear Equations -- Session 5B -- Connectivity for Wireless Agents Moving on a Cycle or Grid -- Improved Algorithms for Dynamic Page Migration -- Approximate Range Mode and Range Median Queries -- Session 6A -- Topological Automata -- Minimizing NFA's and Regular Expressions -- Session 6B -- Increasing Kolmogorov Complexity -- Kolmogorov-Loveland Randomness and Stochasticity -- Session 7A -- Information Theory in Property Testing and Monotonicity Testing in Higher Dimension -- On Nash Equilibria in Non-cooperative All-Optical Networks -- Speed Scaling to Manage Temperature -- Session 7B -- The Complexity of Solving Linear Equations over a Finite Ring -- A Lower Bound on the Complexity of Polynomial Multiplication Over Finite Fields -- Characterizing TC0 in Terms of Infinite Groups -- Session 8A -- Fast Pruning of Geometric Spanners -- The PIGs Full Monty – A Floor Show of Minimal Separators -- Centrality Measures Based on Current Flow -- Session 8B -- Varieties of Codes and Kraft Inequality -- Improving the Alphabet-Size in High Noise, Almost Optimal Rate List Decodable Codes -- The Power of Commuting with Finite Sets of Words -- Session 9A -- Exact Quantum Algorithms for the Leader Election Problem -- Robust Polynomials and Quantum Algorithms -- Quantum Interactive Proofs with Competing Provers -- Session 9B -- Roundings Respecting Hard Constraints -- Sorting Stably, In-Place, with O(n log n) Comparisons and O(n) Moves -- Cycle Cover with Short Cycles -- Session 10A -- A Polynomial Time Algorithm for Minimum Cycle Basis in Directed Graphs -- All-Pairs Nearly 2-Approximate Shortest-Paths in O(n 2 polylog n) Time -- Session 10B -- Pattern Occurrences in Multicomponent Models -- Automatic Presentations for Finitely Generated Groups.