

1. Record Nr.	UNISA996465894603316
Titolo	Combinatorial Pattern Matching [[electronic resource]] : 18th Annual Symposium, CPM 2007, London, Canada, July 9-11, 2007, Proceedings // edited by Bin Ma, Kaizhong Zhang
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2007
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Edizione	[1st ed. 2007.]
Descrizione fisica	1 online resource (XII, 368 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 4580
Disciplina	005.1
Soggetti	<p>Pattern recognition systems</p> <p>Algorithms</p> <p>Natural language processing (Computer science)</p> <p>Data mining</p> <p>Bioinformatics</p> <p>Artificial intelligence—Data processing</p> <p>Automated Pattern Recognition</p> <p>Natural Language Processing (NLP)</p> <p>Data Mining and Knowledge Discovery</p> <p>Computational and Systems Biology</p> <p>Data Science</p>
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>Invited Talks (Abstracts) -- A Combinatorial Approach to Genome-Wide Ortholog Assignment: Beyond Sequence Similarity Search -- Stringology: Some Classic and Some Modern Problems -- Algorithmic Problems in Scheduling Jobs on Variable-Speed Processors -- Session 1: Alogirthmic Techniques I -- Speeding Up HMM Decoding and Training by Exploiting Sequence Repetitions -- On Demand String Sorting over Unbounded Alphabets -- Session 2: Approximate Pattern Matching -- Finding Witnesses by Peeling -- Cache-Oblivious Index for Approximate String Matching -- Improved Approximate String Matching and Regular Expression Matching on Ziv-Lempel Compressed Texts -- Self-normalised Distance with Don't Cares -- Session 3: Data</p>

Compression I -- Move-to-Front, Distance Coding, and Inversion
Frequencies Revisited -- A Lempel-Ziv Text Index on Secondary
Storage -- Dynamic Rank-Select Structures with Applications to Run-
Length Encoded Texts -- Most Burrows-Wheeler Based Compressors
Are Not Optimal -- Session 4: Computational Biology I -- Non-
breaking Similarity of Genomes with Gene Repetitions -- A New and
Faster Method of Sorting by Transpositions -- Finding Compact
Structural Motifs -- Session 5: Computational Biology II -- Improved
Algorithms for Inferring the Minimum Mosaic of a Set of Recombinants
-- Computing Exact p-Value for Structured Motif -- Session 6:
Algorithmic Techniques II -- Improved Sketching of Hamming Distance
with Error Correcting -- Deterministic Length Reduction: Fast
Convolution in Sparse Data and Applications -- Guided Forest Edit
Distance: Better Structure Comparisons by Using Domain-knowledge --
Space-Efficient Algorithms for Document Retrieval -- Session 7: Data
Compression II -- Compressed Text Indexes with Fast Locate --
Processing Compressed Texts: A Tractability Border -- Session 8:
Computational Biology III -- Common Structured Patterns in Linear
Graphs: Approximation and Combinatorics -- Identification of
Distinguishing Motifs -- Algorithms for Computing the Longest
Parameterized Common Subsequence -- Fixed-Parameter Tractability
of the Maximum Agreement Supertree Problem -- Session 9: Pattern
Analysis -- Two-Dimensional Range Minimum Queries -- Tiling
Periodicity -- Fast and Practical Algorithms for Computing All the Runs
in a String -- Longest Common Separable Pattern Among Permutations
-- Session 10: Suffix Arrays and Trees -- Suffix Arrays on Words --
Efficient Computation of Substring Equivalence Classes with Suffix
Arrays -- A Simple Construction of Two-Dimensional Suffix Trees in
Linear Time.

Sommario/riassunto

The papers contained in this volume were presented at the 18th Annual Symposium on Combinatorial Pattern Matching (CPM 2007) held at the University of Western Ontario, in London, Ontario, Canada from July 9 to 11, 2007. All the papers presented at the conference are original research contributions on computational pattern matching and analysis, data compression and compressed text processing, suffix arrays and trees, and computational biology. They were selected from 64 submissions. Each submission was reviewed by at least three reviewers. The committee decided to accept 32 papers. The programme also included three invited talks by Tao Jiang from the University of California, Riverside, USA, S. Muthukrishnan from Rutgers University, USA, and Frances Yao from City University of Hong Kong, Hong Kong. Combinatorial Pattern Matching addresses issues of searching and matching strings and more complicated patterns such as trees, regular expressions, graphs, point sets, and arrays. The goal is to derive non-trivial combinatorial properties of such structures and to exploit these properties in order to either achieve superior performance for the corresponding computational problems or pinpoint conditions under which searches cannot be performed efficiently.

2. Record Nr.	UNISANNIONAP0502406	
Titolo	Automotive transmissions : fundamentals, selection, design and application / Harald Nauheimer ... [et al.] ; in collaborations with Peter Fietkau	
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