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Soggetti	Database management Information storage and retrieval Algorithms Artificial intelligence Data structures (Computer science) Database Management Information Storage and Retrieval Algorithm Analysis and Problem Complexity Artificial Intelligence Data Structures and Information Theory Data Structures
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Nota di contenuto	Invited Papers -- The DBLP Computer Science Bibliography: Evolution, Research Issues, Perspectives -- From Searching Text to Querying XML Streams -- String Matching Problems from Bioinformatics Which Still Need Better Solutions -- String Matching -- Optimal Exact String Matching Based on Suffix Arrays -- Faster String Matching with Super-Alphabets -- On the Size of DASG for Multiple Texts -- String Processing -- Sorting by Prefix Transpositions -- Efficient Computation of Long Similar Subsequences -- Stemming Galician Texts -- Firing Policies for an Arabic Rule-Based Stemmer -- Web Ranking and Link Analysis -- Enhancing the Set-Based Model Using Proximity Information -- Web Structure, Dynamics and Page Quality -- A

Theoretical Analysis of Google's PageRank -- Machine Learning Approach for Homepage Finding Task -- Pattern Matching -- Tree Pattern Matching for Linear Static Terms -- Processing Text Files as Is: Pattern Matching over Compressed Texts, Multi-byte Character Texts, and Semi-structured Texts -- Pattern Matching over Multi-attribute Data Streams -- Digital Libraries and Applications -- Java MARIAN: From an OPAC to a Modern Digital Library System -- A Framework for Generating Attribute Extractors for Web Data Sources -- Multiple Example Queries in Content-Based Image Retrieval -- Focused Structured Document Retrieval -- Towards a More Comprehensive Comparison of Collaborative Filtering Algorithms -- Approximate Searching -- Fully Dynamic Spatial Approximation Trees -- String Matching with Metric Trees Using an Approximate Distance -- Probabilistic Proximity Searching Algorithms Based on Compact Partitions -- Indexing Techniques -- t-Spanners as a Data Structure for Metric Space Searching -- Compact Directed Acyclic Word Graphs for a Sliding Window -- Indexing Text Using the Ziv-Lempel Trie.

Sommario/riassunto

This volume of the Lecture Notes in Computer Science series provides a comprehensive, state-of-the-art survey of recent advances in string processing and information retrieval. It includes invited and research papers presented at the 9th International Symposium on String Processing and Information Retrieval, SPIRE2002, held in Lisbon, Portugal. SPIRE has its origins in the South American Workshop on String Processing which was first held in Belo Horizonte, Brazil, in 1993. Starting in 1998, the focus of the workshop was broadened to include the area of information retrieval due to its increasing relevance and its inter-relationship with the area of string processing. The call for papers for SPIRE2002 resulted in the submission of 54 papers from researchers around the world. Of these, 19 were selected for inclusion in the program (an acceptance rate of 35%). In addition, the Program Committee decided to accept six other papers, considered as describing interesting ongoing research, in the form of short papers. The authors of these 25 papers came from 18 different countries (Argentina, Australia, Brazil, Canada, Czech Republic, Chile, Colombia, Finland, France, Germany, Japan, Italy, Mexico, Saudi Arabia, Switzerland, Spain, United Kingdom, and USA).
