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Soggetti	Computers Database management Computer communication systems Software engineering Algorithms User interfaces (Computer systems) Theory of Computation Database Management Computer Communication Networks Software Engineering Algorithm Analysis and Problem Complexity User Interfaces and Human Computer Interaction
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Nota di contenuto	Processing Distance-Based Queries in Multidimensional Data Spaces Using R-trees -- A Simple, Compact and Dynamic Partition Scheme Based on Co-centric Spheres -- Design of the ERATOSTHENES OLAP Server -- Spatio-temporal SQL -- The Opsis Project: Materialized Views for Data Warehouses and the Web -- Two-Phase Commit Processing with Restructured Commit Tree -- On the Use of Matrices for Belief Revision -- Efficiently Maintaining Structural Associations of Semistructured Data -- Identification of Lead Compounds in

Pharmaceutical Data Using Data Mining Techniques -- Adaptive Classification of Web Documents to Users Interests -- Seismo-Surfer: A Prototype for Collecting, Querying, and Mining Seismic Data -- Using Fuzzy Cognitive Maps as a Decision Support System for Political Decisions -- An Architecture for Open Learning Management Systems -- A Knowledge Based Approach on Educational Metadata Use -- Website Evaluation: A Usability-Based Perspective -- Concepts to Consider when Studying Computer-Mediated Communication and Online Learning -- Website Content Accessibility of the Cyprus Domain -- An Information Hiding Method Based on Computational Intractable Problems -- An Experimental Evaluation of a Monte-Carlo Algorithm for Singular Value Decomposition -- PROSOPO - A Face Image Synthesis System -- Communicating X-Machines: From Theory to Practice -- TOPPER: An Integrated Environment for Task Allocation and Execution of MPI Applications onto Parallel Architectures -- Communication Assist for Data Driven Multithreading -- A Framework for Mobility and QoS Provisioning in IPv6 DECT Networks -- High Level Timed Petri Net Templates for the Temporal Verification of Real-Time Multiprocessor Applications -- A Greek Morphological Lexicon and Its Exploitation by Natural Language Processing Applications -- A Comparison of Design Patterns and Roles in the Context of Behavioural Evolution -- A New Randomized Data Structure for the 1 1/2-dimensional Range Query Problem -- Acceptor-Definable Counting Classes -- Stability Behavior of FIFO Protocol in the Adversarial Queuing Model -- Sphendamnœ: A Proof that k-Splay Fails to Achieve $\log k N$ Behaviour.

Sommario/riassunto

This book constitutes the thoroughly refereed post-proceedings of the 8th Panhellenic Conference on Informatics, PCI 2001, held in Nicosia, Cyprus in November 2001. The 31 revised full papers presented were carefully selected and improved during two months of reviewing from 104 conference papers. The papers cover the areas of databases, data mining and intelligent systems, e-learning, human computer interaction, image processing, networks and systems, software and languages, and theoretical computer science.
