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Soggetti	Database management Computer networks Computer science Information storage and retrieval Application software Multimedia systems Database Management Computer Communication Networks Popular Computer Science Information Storage and Retrieval Information Systems Applications (incl. Internet) Multimedia Information Systems
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Invited Papers -- Ubiquitous Web Applications -- From Workflows to Service Composition in Virtual Enterprises -- Subject-Oriented Work: Lessons Learned from an Interdisciplinary Content Management Project -- Regular Papers -- Query Optimization through Removing Dead Subqueries -- The Impact of Buffering on Closest Pairs Queries Using R-Trees -- Enhancing an Extensible Query Optimizer with Support for Multiple Equivalence Types -- Regular Papers -- Information Sources Registration at a Subject Mediator as Compositional Development -- Extracting Theme Melodies by Using a Graphical Clustering Algorithm

for Content-Based Music Information Retrieval -- A Multilingual Information System Based on Knowledge Representation -- Regular Papers -- Capturing Fuzziness and Uncertainty of Spatiotemporal Objects -- Probability-Based Tile Pre-fetching and Cache Replacement Algorithms for Web Geographical Information Systems -- Regular Papers -- Optimizing Pattern Queries for Web Access Logs -- Ensemble Feature Selection Based on Contextual Merit and Correlation Heuristics -- Interactive Constraint-Based Sequential Pattern Mining -- Regular Papers -- Evaluation of a Broadcast Scheduling Algorithm -- An Architecture for Workflows Interoperability Supporting Electronic Commerce -- Object and Log Management in Temporal Log-Only Object Database Systems -- Regular Papers -- Operations for Conceptual Schema Manipulation: Definitions and Semantics -- Object-Oriented Database as a Dynamic System with Implicit State -- The Use of Aggregate and Z Formal Methods for Specification and Analysis of Distributed Systems -- Regular Papers -- Detecting Termination of Active Database Rules Using Symbolic Model Checking -- Regular Papers -- A Data Model for Flexible Querying -- The Arc-Tree: A Novel Symmetric Access Method for Multidimensional Data -- Evaluation of Join Strategies for Distributed Mediation -- Regular Papers -- An RMM-Based Methodology for Hypermedia Presentation Design -- Efficiently Mapping Integrity Constraints from Relational Database to XML Document1 -- A Web-Based System for Handling Multidimensional Information through MXML -- Regular Papers -- An Abstract Database Machine for Cost Driven Design of Object-Oriented Database Schemas.

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#### Sommario/riassunto

This book constitutes the refereed proceedings of the 5th East European Conference on Advances in Databases and Information Systems, ADBIS 2001, held in Vilnius, Lithuania, in September 2001. The 25 revised full papers presented together with one invited paper and two abstracts of invited talks were carefully reviewed and selected from 82 submissions. The papers are organized in topical sections on query optimization, multimedia and multilingual information systems, spatiotemporal aspects of databases, data mining, transaction processing, conceptual modeling and information systems specification, active databases, query methods, XML, and information systems design.

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