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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Indexing -- On-Demand Index for Efficient Structural Joins -- An Efficient Indexing Scheme for Moving Objects' Trajectories on Road Networks -- Spatial Index Compression for Location-Based Services Based on a MBR Semi-approximation Scheme -- XML Query Processing

-- KCAM: Concentrating on Structural Similarity for XML Fragments --
A New Structure for Accelerating XPath Location Steps -- Efficient
Evaluation of Multiple Queries on Streamed XML Fragments --
Information Retrieval I -- Automated Extraction of Hit Numbers from
Search Result Pages -- Keyword Extraction Using Support Vector
Machine -- LSM: Language Sense Model for Information Retrieval --
Information Retrieval II -- Succinct and Informative Cluster Descriptions
for Document Repositories -- LRD: Latent Relation Discovery for Vector
Space Expansion and Information Retrieval -- Web Image Retrieval
Refinement by Visual Contents -- Sensor Networks and Grid Computing
-- An Effective Approach for Hiding Sensitive Knowledge in Data
Publishing -- Tracking Network-Constrained Moving Objects with
Group Updates -- Dynamic Configuring Service on Semantic Grid --
Peer-to-Peer -- Object Placement and Caching Strategies on AN.P2P --
Role-Based Peer-to-Peer Model: Capture Global Pseudonymity for
Privacy Protection -- A Reputation Management Scheme Based on
Global Trust Model for Peer-to-Peer Virtual Communities -- Web
Services -- QoS-Aware Web Services Composition Using Transactional
Composition Operator -- Optimizing the Profit of On-Demand
Multimedia Service Via a Server-Dependent Queuing System -- Service
Matchmaking Based on Semantics and Interface Dependencies -- Web
Searching -- Crawling Web Pages with Support for Client-Side
Dynamism -- RecipeCrawler: Collecting Recipe Data from WWW
Incrementally -- CCWrapper: Adaptive Predefined Schema Guided
WebExtraction -- Caching and Moving Objects -- MiniTasking:
Improving Cache Performance for Multiple Query Workloads -- Cache
Consistency in Mobile XML Databases -- Bulkloading Updates for
Moving Objects -- Temporal Database -- Finding the Plateau in an
Aggregated Time Series -- Compressing Spatial and Temporal
Correlated Data in Wireless Sensor Networks Based on Ring Topology
-- Discovery of Temporal Frequent Patterns Using TFP-Tree --
Clustering -- DGCL: An Efficient Density and Grid Based Clustering
Algorithm for Large Spatial Database -- Scalable Clustering Using
Graphics Processors -- TreeCluster: Clustering Results of Keyword
Search over Databases -- Clustering and Classification -- A New
Method for Finding Approximate Repetitions in DNA Sequences --
Dynamic Incremental Data Summarization for Hierarchical Clustering --
Classifying E-Mails Via Support Vector Machine -- Data Mining -- A
Novel Web Page Categorization Algorithm Based on Block Propagation
Using Query-Log Information -- Counting Graph Matches with
Adaptive Statistics Collection -- Tight Bounds on the Estimation
Distance Using Wavelet -- Data Stream Processing -- Load Shedding
for Window Joins over Streams -- Error-Adaptive and Time-Aware
Maintenance of Frequency Counts over Data Streams -- Supporting
Efficient Distributed Top-k Monitoring -- XML and Semistructured Data
-- Designing Quality XML Schemas from E-R Diagrams -- Validating
Semistructured Data Using OWL -- Data Distribution and Query
Processing -- Dynamic Data Distribution of High Level Architecture
Based on Publication and Subscription Tree -- A Framework for Query
Reformulation Between Knowledge Base Peers -- An Efficient Indexing
Technique for Computing High Dimensional Data Cubes -- Advanced
Applications -- A Scientific Workflow Framework Integrated with Object
Deputy Model for Data Provenance -- On the Development of a
Multiple-Compensation Mechanism for Business Transactions -- OS-
DRAM: A Delegation Administration Model in a Decentralized Enterprise
Environment.

Hong Kong, June 2006. The book presents 50 revised full papers, organized in topical sections on indexing, XML query processing, information retrieval, sensor networks and grid computing, peer-to-peer systems, Web services, Web searching, temporal database, clustering, clustering and classification, data mining, data stream processing, XML and semistructured data, and more.
