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Disciplina	004.678
Soggetti	Computer science Application software Computer networks Information storage and retrieval Multimedia systems User interfaces (Computer systems) Popular Computer Science Information Systems Applications (incl. Internet) Computer Communication Networks Information Storage and Retrieval Multimedia Information Systems User Interfaces and Human Computer Interaction
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Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Keynote Papers -- Trends in Mobile Multimedia and Networks -- DB-Enabled Peers for Managing Distributed Data -- XML and Database Design -- Functional Dependencies for XML -- On Transformation to Redundancy Free XML Schema from Relational Database Schema -- Constraint Preserving XML Updating -- Efficient XML Data Management -- ENAXS: Efficient Native XML Storage System -- A Fast Index for XML Document Version Management -- A Commit Scheduler for XML Databases -- An Efficient Path Index for Querying Semi-structured Data -- Integrating Path Index with Value Index for XML Data -- Automatic

Layout Generation with XML Wrapping -- XML Transformation -- Efficient Evaluation in XML to XML Transformations -- Formalizing Semantics of XSLT Using Object-Z -- An XML-Based Context-Aware Transformation Framework for Mobile Execution Environments -- FIXT: A Flexible Index for XML Transformation -- Formal Foundation of Web Navigation Stereotypes and Their Transformation into XML -- Web Mining -- Mining "Hidden Phrase" Definitions from the Web -- Extending a Web Browser with Client-Side Mining -- Real-Time Segmenting Time Series Data -- An Efficient Data Mining Algorithm for Discovering Web Access Patterns -- Applying Data Mining Techniques to Analyze Alert Data -- Web Clustering, Ranking and Profiling -- Web Page Clustering: A Hyperlink-Based Similarity and Matrix-Based Hierarchical Algorithms -- A Framework for Decentralized Ranking in Web Information Retrieval -- A Web User Profiling Approach -- A New Algorithm for Performing Ratings-Based Collaborative Filtering -- Payment and Security -- Architecture for a Component-Based, Plug-In Micro-payment System -- Verifying the Purchase Request in SET Protocol -- Self-organizing Coefficient for Semi-blind Watermarking -- Applying RBAC Providing Restricted Permission Inheritance to a Corporate Web Environment -- eSignature Verification on Web Using Statistical Mining Approach -- Web Application Architectures -- Deriving Architectures of Web-Based Applications -- A New Agent Framework with Behavior Delegation Using SOAP -- Improving the Web Presentation Layer Architecture -- An Event Based Approach to Web Service Design and Interaction -- Active Document Framework ADF: Concept and Method -- Advanced Applications -- Goal-Oriented Analysis and Agent-Based Design of Agile Supply Chain -- Methodologies and Mechanism Design in Group Awareness Support for Internet-Based Real-Time Distributed Collaboration -- Statistics Based Predictive Geo-spatial Data Mining: Forest Fire Hazardous Area Mapping Application -- Knowledge Representation, Ontologies, and the Semantic Web -- Web Wrapper Validation -- Web and Multimedia -- Web-Based Image Retrieval with a Case Study -- Extracting Content Structure for Web Pages Based on Visual Representation -- XML Data Integration and Distribution in a Web-Based Object Video Server System -- Network Protocols -- Genetic Algorithm-Based QoS Multicast Routing for Uncertainty in Network Parameters -- Tagged Fragment Marking Scheme with Distance-Weighted Sampling for a Fast IP Traceback -- An Ant Algorithm Based Dynamic Routing Strategy for Mobile Agents -- Integration of Mobile IP and NHRP over ATM Networks -- Workflow Management Systems -- e_SWDL : An XML Based Workflow Definition Language for Complicated Applications in Web Environments -- An Efficient User Task Handling Mechanism Based on Dynamic Load-Balance for Workflow Systems -- Exception Specification and Handling in Workflow Systems -- Key Issues and Experiences in Development of Distributed Workflow Management Systems -- Advanced Search -- Intelligent Search for Distributed Information Sources Using Heterogeneous Neural Networks -- A Localness-Filter for Searched Web Pages -- DEBIZ: A Decentralized Lookup Service for E-commerce -- Design of B+Tree-Based Predicate Index for Efficient Event Matching -- Data Allocation and Replication -- Data Replication at Web Proxies in Content Distribution Network -- A Hash-Based Collaborative Transcoding Proxy System -- Dynamic Materialized View Management Based on Predicates -- DPR: A Dynamic Partial Replication Protocol Based on Group Communication for a Web-Enable Database Cluster.

invited papers were carefully reviewed and selected from a total of 136 submissions. The papers are organized in topical sections on XML and database design; efficient XML data management; XML transformation; Web mining; Web clustering, ranking, and profiling; payment and security; Web application architectures; advanced applications; Web multimedia; network protocols; workflow management systems; advanced search; and data allocation and replication.
