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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.
