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Nota di contenuto	Invited Talks -- Visual Data Mining for Business Intelligence Applications -- Parallel Data Mining on Large Scale PC Cluster -- XML: DTD and Queries -- XML Query Languages in Practice: An Evaluation -- A Two-Level Method for Clustering DTDs1 -- XML Queries via SQL -- Inferring DTD to Facilitate User-Oriented XML Documents Query -- O-O: Modeling and Implementation -- An Object Oriented Multidimensional Data Model for OLAP -- Applying Object-Oriented Conceptual Modeling Techniques to the Design of Multidimensional Databases and OLAP Applications -- An Optimal Locking Scheme in

Object-Oriented Database Systems -- Association Rules: Mining and Application -- An Efficient Distributed Algorithm for Computing Association Rules -- Mining Association Rules with Negative Items Using Interest Measure -- Probabilistic Approach to Association Rules in Incomplete Databases -- Discovering Sequential Patterns from Non-uniform Databases -- An Effective Approach to Mining Exception Class Association Rules¹ -- Enterprise Information Systems and E-Commerce -- Integrated Data Management and Enterprise Models -- A Virtual Private Network for Virtual Enterprise Information Systems -- Adaptive Online Retail Web Site Based on Hidden Markov Model -- A Protocol for Untraceable Electronic Cash -- The Web: Document Management and Retrieval -- Materializing Web Data for OLAP and DSS -- Hierarchically Classifying Chinese Web Documents without Dictionary Support and Segmentation Procedure¹ -- Web Clustering and Association Rule Discovery for Web Broadcast -- A Non-Euclidean Model for Web Retrieval -- Advanced Replacement Policies for WWW Caching -- Spatial and Temporal Databases -- Extending Rectangle Join Algorithms for Rectilinear Polygons -- HMT: Modeling Temporal Aspects in Hypermedia Applications -- Hana Tree: A Dynamic and Robust Access Method for Spatial Data Handling -- MADGIS: A New Architecture for Distributed GIS under Internet Environment -- Data Warehousing -- Global View Maintenance by Using Inference Relationship among Views -- Maintaining Materialized Views for Data Warehouses with Multiple Remote Sources -- Using Loglinear Models to Compress Datacubes -- Materialized View Selection in a Data Warehouse -- Information Retrieval -- ExSight: Highly Accurate Object Based Image Retrieval System Enhanced by Redundant Object Extraction -- Applying Anaphora Resolution to Question Answering and Information Retrieval Systems -- MB+tree: A Dynamically Updatable Metric Index for Similarity Search -- An Information Store and Retrieval Facility on CORBA -- Retrieving Content Directly from Antique Book Images -- Semi-Structured Data -- Schema Based Data Storage and Query Optimization for Semi-structured Data¹ -- Automatic Wrapper Generation for Web Search Engines -- Multi-level Schema Extraction for Heterogeneous Semi-structured Data -- Agent, Rough Set and Learning -- Rough Set Based WebCT Learning -- MultiAgent Systems for Coalition Support -- A Fast Globally Supervised Learning Algorithm for Gaussian Mixture Models -- Optimizing Classifiers by Genetic Algorithm.

Sommario/riassunto

Database research and development has been remarkably successful over the past three decades. Now the field is facing new challenges posted by the rapid advances of technology, especially the penetration of the Web and Internet into everyone's daily life. The economical and financial environment where database systems are used has been changing dramatically. In addition to being able to efficiently manage a large volume of operational data generated internally, the ability to manage data in cyberspace, extract relevant information, and discover knowledge to support decision making is critical to the success of any organization. In order to provide researchers and practitioners with a forum to share their experiences in tackling problems in managing and using data, information, and knowledge in the age of the Internet and Web, the First International Conference on Web-Age Information Management (WAIM 2000) was held in Shanghai, China, June 21-23. The inaugural conference in its series was well received. Researchers from 17 countries and regions, including Austria, Australia, Bahrain, Canada, China, France, Germany, Japan, Korea, Malaysia, The Netherlands, Poland, Singapore, Spain, Taiwan, UK, and USA submitted their recent work. Twenty-seven regular and 14 short papers contained

in these proceedings were presented during the two-day conference. These papers cover a large spectrum of issues, from classical data management such as object-oriented modeling, spatial and temporal databases to recent hits like data mining, data warehousing, semi-structured data, and XML.
