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Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2544
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Soggetti	Database management Computer science Computer networks Information storage and retrieval Application software Multimedia systems Database Management Computer Science, general Computer Communication Networks 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	Information Interchange and Management Systems -- Information Systems That Also Project into the Future -- A Design Methodology for Workflow System Development -- Adding Valid Time to XPath -- Communication Deadlock Detection of Inter-organizational Workflow Definition -- Web Data Management Systems -- Web Information Modeling: The Adjunction Space Model -- Advanced Storage and Retrieval of XML Multimedia Documents -- A New Query Processing Scheme in a Web Data Engine -- An Approach to Modelling Legacy Enterprise Systems -- Data Management Systems -- Explicit

Representation of Constrained Schema Mappings for Mediated Data Integration -- Xena for Schema: Creating XML Data with an Interactive Editor -- Coding and Presentation of Multimedia for Data Broadcasting with Broadcasting Markup Language -- A Proposal for a Distributed XML Healthcare Record -- Networked Information Systems: Applications -- Some Experiences on Large Scale Web Mining -- An Approach for Distance Learning via Internet and Its Evaluation -- A Graph Based Approach to Extract a Neighborhood Customer Community for Collaborative Filtering -- An Interactive Programming Environment for Enhancing Learning Performance -- Networked Information Systems: Implementations -- Business Operation Intelligence -- Peer-to-Peer File Sharing with Integrated Attribute Descriptions in XML and an Embedded Database Engine -- In Search of Torrents: Automatic Detection of Logical Sets Flows in Network Traffic -- Dynamic Location Management with Caching in Hierarchical Databases for Mobile Networks -- An Experimental Study on Query Processing Efficiency of Native-XML and XML-enabled Database Systems.

## Sommario/riassunto

Information systems in healthcare and public utility services depend on computing infrastructure. Many research efforts are being made in related areas, such as mobile computing, web-based computing, and information extraction and handling. Government agencies in a few countries also plan to launch many facilities in education, healthcare, and information support as e-government initiatives. In this context, Information Interchange Management has become an important research field. A number of new opportunities have evolved in design and modeling based on the new computing needs of users. Database systems play an important role in supporting networked information systems for access and storage aspects. The second international workshop on Databases in Networked Information Systems (DNIS) 2002 was held on December 16-18, 2002 at the University of Aizu in Japan. The workshop program includes research contributions and invited contributions. A view of research activity in Information Interchange Management and related research issues was provided in the session on this topic, with an invited contribution by Prof. Gio Wiederhold. The workshop session on Web Data Management had an invited paper by Prof. Toshiyasu L. Kunii. The workshop session on Data Management Systems included a contributed invited paper by Prof. Joachim Biskup. The two sessions on Networked Information Systems included invited contributions by Prof. Masaru Kitsuregawa and Dr. Umeshwar Dayal. I would like to thank the members of the program committee for their support and all authors who considered DNIS 2002 for their research contributions.