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    Nota di contenuto   Applications -- Demand for Intelligent Search Tools in Medicine and
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                         Query Language and User Interface for XML Information Retrieval --
                         Tamino – A Database System Combining Text Retrieval and XML --
                         Retrieval Models -- Flexible Information Retrieval on XML Documents
                         -- Statistical Language Models for Intelligent XML Retrieval --
                         Ontology-Enabled XML Search -- Using Relevance Feedback in XML
                         Retrieval -- Classification and Focused Crawling for Semistructured

Data -- Information Extraction and Automatic Markup for XML Documents -- Implementing Intelligent XML Systems -- The Multi-model DBMS Architecture and XML Information Retrieval -- PowerDB-XML: Scalable XML Processing with a Database Cluster -- Web-Based Distributed XML Query Processing -- Combining Concept- with Content-Based Multimedia Retrieval -- Tree Awareness for Relational DBMS Kernels: Staircase Join -- Processing XML Queries with Tree Signatures -- Evaluation -- A Look Back on the XML Benchmark Project -- The INEX Evaluation Initiative.

| Sommario/riassunto | Recently, we have seen a steep increase in the popularity and adoption of XML, in areas such as traditional databases, e-business, the scientific environment, and on the web. Querying XML documents and data efficiently is a challenging issue; this book approaches search on XML data by combining content-based methods from information retrieval and structure-based XML query methods and presents the following parts: applications, query languages, retrieval models, implementing intelligent XML systems, and evaluation. To appreciate the book, basic knowledge of traditional database technology, information retrieval, and XML is needed. The book is ideally suited for courses or seminars at the graduate level as well as for education of research and development professionals working on Web applications, digital libraries, database systems, and information retrieval. |