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# Database and XML Technologies

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Proceedings



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# Database And Xml Technologies Database And Xml Technologies

**Pardede, Eric**

## **Database And Xml Technologies Database And Xml Technologies:**

**Database and XML Technologies** Zohra Bellahsène,2003-09-09 This book constitutes the refereed proceedings of the First International XML Database Symposium XSym 2003 held in Berlin Germany in September 2003 The 18 revised full papers presented were carefully reviewed and selected from 65 submissions The papers are organized in topical sections on XML relational database management systems XML query processing systems and tools for XML data processing XML access structures stream processing and updates and design issues

**Database and XML Technologies** Zohra Bellahsene,Akmal B. Chaudhri,Erhard Rahm,2014-01-15 **Database and XML Technologies** Zohra Bellahsène,Tova Milo,Michael Rys,Dan Suciu,Rainer Unland,2004-07-30 Modern database systems enhance the capabilities of traditional database systems by their ability to handle any kind of data including text image audio and video Today

databasesystemsareparticularlyrelevanttotheWeb astheycanprovideinputtocontent generators for Web pages and can handle queries issued over the Internet The eXtensible Markup Language XML is used in applications running the gamut from content management through publishing to Web services and e commerce It is used as the universal communication language for exchanging music and graphics as well as purchase orders and technical documentation As database systems increasingly talk to each other over the Web there is a growingdesiretouseXMLasthestandardexchangeformat As a result many relational database systems can export data as XML documents and import data from XML documents and provide query and update capabilities for XML data In addition so called native XML database and integration systems are appearing on the database market whose claim is to be especially tailored to storing maintaining and easily accessing XML documents After the huge success of the first XML Database Symposium XSym 2003 last year in Berlin already then in conjunction with VLDB it was decided to establish this symposium as an annual event that is supposed to take place as an integral part of VLDB

The goal of this symposium is to provide a high quality platform for the presentation and discussion of new research results and system developments It is targeted at scientists practitioners vendors and users of XML and database technologies

**Database and XML Technologies** Zohra Bellahsène,Ela Hunt,Michael Rys,Rainer Unland,2009-08-20 Since its first edition in 2003 the XML Database Symposium series XSym has been a forum for academics practitioners users and vendors allowing all to discuss the use of and synergy between database management systems and XML The previous symposia have provided opportunities for timely discussions on a broad range of topics pertaining to the theory and practice of XML data management and its applications XSym 2009 continued this XSym tradition with a program consisting of 15 papers and a keynote shared with the 12th International Symposium on Database Programming Languages DBPL 2009 We received 26 paper submissions out of which eight papers were accepted as full papers and seven as short demo papers Each submitted paper underwent a rigorous and careful review by four referees for long papers and three for the short ones The contributions in these proceedings are a fine sample of the very best current research in XML query processing including full

text keyword and loosely structured queries stream querying and joins and materialized views Among new theoretical advances we included work on a lambda calculus model of XML and XPath on mapping from the enhanced entity relationship conceptual model to the W3C XML Schema Language on transactions and extensions to XPath Finally work on data parallel algorithms compression and practical aspects of XQuery including query forms and the use of Prolog are also part of this volume

**Database and XML Technologies** Mong Li Lee,Jeffrey Xu Yu,Zohra Bellahsene,Rainer Unland,2010-09-15 Since its first edition in 2003 the XML Database Symposium series XSym has been a forum for academics practitioners users and vendors allowing all to discuss the use of and synergy between database management systems and XML The symposia have provided many opportunities for timely discussions on a broad range of topics pertaining to the theory and practice of XML data management and its applications XSym 2010 continued this XSym tradition with a program consisting of 11 papers and a keynote shared with the 36th International Conference on Very Large Data Bases VLDB 2010 We received 20 paper submissions out of which 8 papers were accepted as full papers and 3 as short papers Each submitted paper underwent a rigorous and careful review by four referees The contributions in these proceedings are a fine sample of the current research in XML query processing including XPath satisfiability approximate joins pattern matching linear index construction for trees dynamic labeling and XQuery update translation based on schema The papers focus on recent advances in detecting functional dependencies modeling complex XML twig pattern output promoting semantics capability of XML keys and searchable compression of Microsoft office documents In addition we include a paper that shares lessons learned from real XML database development

*Database and XML Technologies* Stéphane Bressan,Stefano Ceri,Ela Hunt,Zachary G. Ives,Zohra Bellahsène,Michael Rys,Rainer Unland,2005-08-25 This book constitutes the refereed proceedings of the Third International XML Database Symposium XSym 2005 held in Trondheim Norway in August 2005 in conjunction with VLDB 2005 and in coordination with the Database and Programming Languages Symposium DBPL 2005 The 15 revised full papers were carefully reviewed and are preluded by a joint XSym DBPL keynote talk The papers are organized in topical sections on indexing support for the evaluation of XPath and XQuery benchmarks and algorithms for XQuery and XPath evaluation algorithms for constraint satisfaction checking information extraction and subtree matching and applications of XML in information systems

*Database and XML Technologies* Zohra Bellahsène,Akmal B. Chaudhri,Erhard Rahm,Michael Rys,Rainer Unland,2003-10-02 The Extensible Markup Language XML is playing an increasingly important role in the exchange of a wide variety of data on the Web and elsewhere The database community is interested in XML because it can be used to represent a variety of data formats originating in different kinds of data repositories while providing structure and the possibility to add type information The theme of this symposium is the combination of database and XML technologies Today we see growing interest in using these technologies together for many Web based and database centric applications XML is being used to publish data from database systems on the Web by providing input to content generators for Web pages and

database systems are increasingly being used to store and query XML data often by handling queries issued over the Internet As database systems increasingly start talking to each other over the Web there is a fast growing interest in using XML as the standard exchange format for distributed query processing As a result many relational database systems export data as XML documents import data from XML documents provide query and update capabilities for XML data In addition so called native XML database and integration systems are appearing on the database market and it's claimed that they are especially tailored to store maintain and easily access XML documents **Database and XML Technologies**, 2004 *Database and XML Technologies* Sihem Amer-Yahia, Zohra Bellahsène, Ela Hunt, Rainer Unland, Jeffrey Xu Yu, 2006-09-07 This book constitutes the refereed proceedings of the 4th International XML Database Symposium XSym 2006 held in conjunction with the International Conference on Very Large Data Bases VLDB 2006 The book presents 8 revised full papers focused on building XML repositories and covering query processing caching indexing and navigation support structural matching temporal XML and XML updates Topical sections include query evaluation and temporal XML XPath and twigs and XML updates **Database and XML Technologies** Denilson Barbosa, 2007-09-18 This book constitutes the refereed proceedings of the 5th International XML Database Symposium XSym 2007 held in Vienna Austria in September 2007 in conjunction with the International Conference on Very Large Data Bases VLDB 2007 The papers cover all current aspects of core database technology for XML data management XML and data integration and development and deployment of XML applications

**Database and XML Technologies** Sihem Amer-Yahia, 2006-09-04 This book constitutes the refereed proceedings of the 4th International XML Database Symposium XSym 2006 held in conjunction with the International Conference on Very Large Data Bases VLDB 2006 The book presents 8 revised full papers focused on building XML repositories and covering query processing caching indexing and navigation support structural matching temporal XML and XML updates Topical sections include query evaluation and temporal XML XPath and twigs and XML updates **XML Databases and the Semantic Web**

Bhavani Thuraisingham, 2002-03-27 Efficient access to data sharing data extracting information from data and making use of the information have become urgent needs for today's corporations With so much data on the Web managing it with conventional tools is becoming almost impossible New tools and techniques are necessary to provide interoperability as well as warehousing between **Open and Novel Issues in XML Database Applications: Future Directions and Advanced Technologies** Pardede, Eric, 2009-04-30 Covers comprehensive issues and challenges discovered through leading international XML database research

**Wavelet Active Media Technology and Information Processing , XQuery from the Experts** Howard Katz, Donald Dean Chamberlin, 2004 *Wavelet Active Media Technology and Information Processing*, **XQuery from the Experts** Howard Katz, Donald Dean Chamberlin, 2004 *XQuery* Nobody knows XQuery better than this group of experts after all they created it We've cornered the market on expertise in XQuery *XQuery* Allows readers to focus on either or both a tutorial or reference style approach as best suits them *XQuery* Currently there are no other competing XQuery books Authors personal perspectives offer a welcome change to formal standards specs **2013 International Conference on Computer**

*Science and Artificial Intelligence* Dr. Yuetong Lin, Dr. Gabriel Alungbe, 2014-11-16 The main objective of ICCSAI2013 is to provide a platform for the presentation of top and latest research results in global scientific areas. The conference aims to provide a high level international forum for researcher engineers and practitioners to present and discuss recent advances and new techniques in computer science and artificial intelligence. It also serves to foster communications among researcher engineers and practitioners working in a common interest in improving computer science artificial intelligence and the related fields. We have received 325 numbers of papers through Call for Paper out of which 94 numbers of papers were accepted for publication in the conference proceedings through double blind review process. The conference is designed to stimulate the young minds including Research Scholars, Academicians and Practitioners to contribute their ideas, thoughts and nobility in these two disciplines.

**XML Data Management** Akmal B. Chaudhri, Awais Rashid, Roberto Zicari, 2003 In this book you will find discussions on the newest native XML databases along with information on working with XML enabled relational database systems. In addition XML Data Management thoroughly examines benchmarks and analysis techniques for performance of XML databases. This book is best used by students that are knowledgeable in database technology and are familiar with XML.

**Information Technology in Geo-engineering** D. G. Toll, Hehua Zhu, Xiaojun Li, 2010 Information technology IT is now intrinsic to many aspects of our lives and this is no less so for the field of geo engineering where it is widely used. This volume presents the proceedings of the First International Conference on Information Technology in Geo Engineering in Shanghai September 2010. The conference brought together engineers, scientists, researchers and educators to review new developments and IT advances in geo engineering and provided a forum for the discussion of future trends. Information technology evolves constantly and the innovative concepts, strategies and technologies which have sprung up are becoming ever more important to all aspects of geo engineering, facilitating design processes, improving construction efficiency and lowering maintenance costs. These topics are among the many addressed here. Of interest to all those involved in the field of geo engineering it is hoped that this volume will prove to be the first of a series to cover regular international conference on this increasingly important subject.

**Beginning XML Databases** Gavin Powell, 2007 Supported by all major database systems XML provides an easy standardized method of transferring data between databases and to and from the Web independent of the software in use. Offers database programmers and data driven Web developers detailed guidance on how to understand and work with XML as data. Numerous hands on step by step examples help readers learn to simplify database work using XML. Shows how to use XML to exchange data between multiple databases either internally or with external customers and partners. Covers XML in popular databases including Oracle Database, SQL Server and brief coverage of DB2 Database. Covers basic syntax for XML, the XML DOM and XSL with an emphasis on database use and native XML databases. Additional topics covered include Native XML databases, XPath, XQuery, XLink, XPointer, DTDs, XML Schemas among others.

**Oracle Database 11g Building Oracle XML DB Applications** Jinyu Wang, 2011-07-01 Master the XML

Programming Features in Oracle Database 11g Develop debug and administer data backed XML applications using the expert instruction and best practices in this Oracle Press guide Oracle Database 11g Building Oracle XML DB Applications discusses the latest development tools technologies and components Find out how to set up Oracle XML Database Oracle XML DB build XML applications in Oracle JDeveloper 11g work with XSLT stylesheets and incorporate full text search Troubleshooting performance tuning and security are also covered in this comprehensive resource Create store and query XML types using Oracle XML DB Load XML documents into relational tables and define SQL views Parse and validate schema with Oracle XDK for Java and PL SQL packages Merge documents generate reports and transform data using XSLT Construct applications from Oracle XML DB Web services Use Oracle JDeveloper 11g to design and deploy XML applications Integrate Oracle Text and Oracle Secure Enterprise Search features Streamline the development process using Oracle Application Express

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