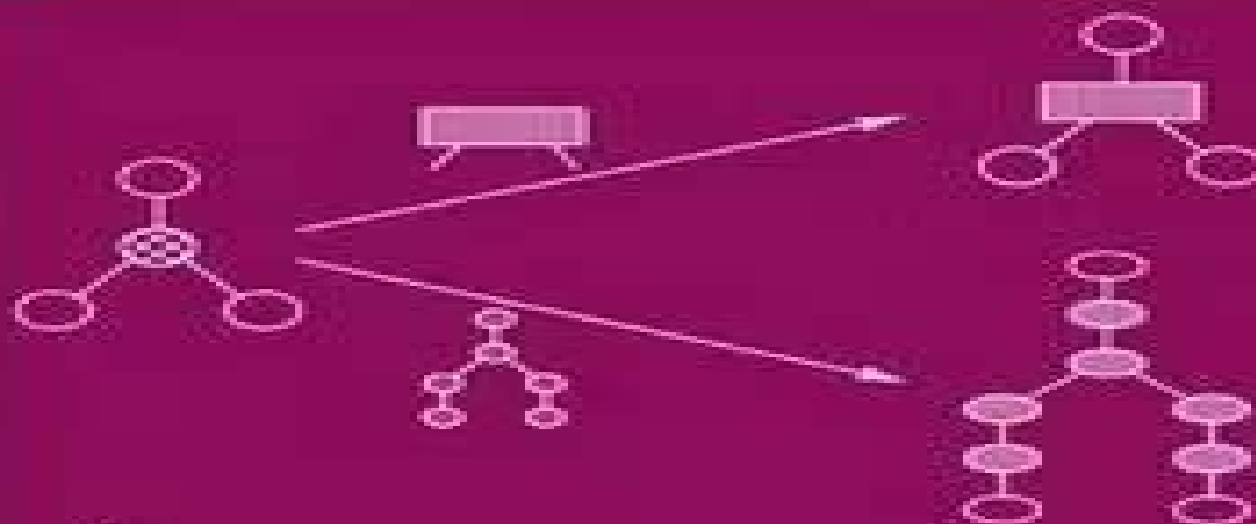Michael Jaedicke

New Concepts for Parallel Object-Relational Query Processing

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  High-Performance Parallel Database Processing and Grid Databases David Taniar,Clement H. C. Leung,Wenny Rahayu,Sushant Goel,2008-09-17 The latest techniques and principles of parallel and grid database processing The growth in grid databases coupled with the utility of parallel query processing presents an important opportunity to understand and utilize high performance parallel database processing within a major database management system DBMS This important new book provides readers with a fundamental understanding of parallelism in data intensive applications and demonstrates how to develop faster capabilities to support them It presents a balanced treatment of the theoretical and practical aspects of high performance databases to demonstrate how parallel query is executed in a DBMS including concepts algorithms analytical models and grid transactions High Performance Parallel Database Processing and Grid Databases serves as a valuable resource for researchers working in parallel databases and for practitioners interested in building a high performance database It is also a much needed self contained textbook for database courses at the advanced undergraduate and graduate levels **Data Management in a Connected World** Hartmut Wedekind,Theo Härder,2005-07-04 The role of data management becomes more and more crucial in a totally connected world Having the right data at the right time at the right place is therefore one of the most challenging research issues we face in the coming years This Festschrift volume is devoted to Hartmut Wedekind on the occasion of his 70th birthday and comprises a total of 18 articles discussing a broad spectrum of issues related to data management All articles are co authored by academic children and grandchildren of

Hartmut Wedekind and therefore reflect the multifaceted selection of academic topics that he explored discussed and published on during his academic life All articles are clustered into four different parts focusing on motivation and modeling issues infrastructural services application design and finally different applications The scope of the articles reaches from visionary illustrations of data management in a connected world through core database techniques in the context of database caching notification services etc to the design and description of data intensive applications **Proceedings of the Twenty-fifth International Conference on Very Large Databases, Edinburgh, Scotland, UK, 7-10 September, 1999** Malcolm Atkinson,1999 This is the silver anniversary of one of the longest running database conferences VLDB is among the best established forums for discussion in the international database community and is organized every year by the VLDB Endowment **Very Large Data Bases** ,1999 *Progressive Methods in Data Warehousing and Business Intelligence: Concepts and Competitive Analytics* Taniar, David,2009-02-28 Provides developments and research as well as current innovative activities in data warehousing and mining focusing on the intersection of data warehousing and business intelligence **Database Systems** S. K. Singh,2011 The second edition of this bestselling title is a perfect blend of theoretical knowledge and practical application It progresses gradually from basic to advance concepts in database management systems with numerous solved exercises to make learning easier and interesting New to this edition are discussions on more commercial database management systems **High-Performance Computing and Networking** Peter Sloot,Marian Bubak,Bob Hertzberger,1998-04-15 Proceedings Parallel Computing *The Proceedings of the Third International Symposium on Cooperative Database Systems for Advanced Applications* Hongjun Lu,2000 Annotation Held in April 2001 this symposium addressed the double edged sword of the Internet and Web in regard to the ease and complexity of accessing databases and other data resources The two dozen presentations given during seven sessions address a healthcare application a computerized clinical test ordering prototype integration of semi structured and structured inconsistent databases object oriented representation for XML data DW DM and DL for three dimensional data and systems such as the China Digital Library intelligent agents for Web ads and multimedia indexing cooperative workflow approaches enterprise systems and DBMS systems Includes graphic representations the conference chairs message program committee members and other organizational details Lacks a subject index c Book News Inc **Database and Expert Systems Applications** Vladimir Marik,Werner Retschitzegger,2003-08-21 This book constitutes the refereed proceedings of the 14th International Conference on Database and Expert Systems Applcations DEXA 2003 held in Prague Czech Republic in September 2003 The 91 revised full papers presented together with an invited paper and a position paper were carefully reviewed and selected from 236 submissions The papers are organized in topical sections on XML data modeling spatial database systems mobile computing transactions bioinformatics information retrieval multimedia databases Web applications ontologies object oriented databases query optimization workflow systems knowledge engineering and security **Data**

Warehousing and Mining: Concepts, Methodologies, Tools, and Applications Wang, John,2008-05-31 In recent years the science of managing and analyzing large datasets has emerged as a critical area of research In the race to answer vital questions and make knowledgeable decisions impressive amounts of data are now being generated at a rapid pace increasing the opportunities and challenges associated with the ability to effectively analyze this data **Object – Oriented Database Systems : Approaches and Architectures** Prabhu C.s.r.,2010-11 This well received book now in its third edition is a comprehensive presentation of the fundamentals of object oriented database systems OODBMS It provides extensive coverage of the different approaches to object data management including the three major approaches semantic database systems approach object oriented programming language extension approach and the relational extension approach as well as the various types of architectures of object oriented database systems The book discusses all recent developments in this field such as the emergence of Java as the dominant object oriented programming language resulting in upcoming OODBMS products such as Ozone and the provision of object oriented database features in object relational database systems ORDBMS products such as Oracle 9i and DB2 The new edition provides an extensive discussion of PostgreSQL a popular open source object oriented database system which has emerged as a viable alternative to expensive commercial database systems such as Oracle The book is extensively illustrated which enables students to develop a firm grasp of the underlying concepts The chapter end exercises help in testing the students comprehension of the fundamental principles The book is primarily meant for students of IT related programmes having courses in database systems Computer professionals will also find the book immensely useful **Cloud Computing** Mr. Raj Kumar Gupta, Ms. Jishu Varshney, Ms. Anupama, Ms. Lakshmi Kumari,2025-05-26 **Readings in Artificial Intelligence and Databases** John Mylopoulos,Michael L. Brodie,2014-06-28 The interaction of database and AI technologies is crucial to such applications as data mining active databases and knowledge based expert systems This volume collects the primary readings on the interactions actual and potential between these two fields The editors have chosen articles to balance significant early research and the best and most comprehensive articles from the 1980s An in depth introduction discusses basic research motivations giving a survey of the history concepts and terminology of the interaction Major themes approaches and results open issues and future directions are all discussed including the results of a major survey conducted by the editors of current work in industry and research labs Thirteen sections follow each with a short introduction Topics examined include semantic data models with emphasis on conceptual modeling techniques for databases and information systems and the integration of data model concepts in high level data languages definition and maintenance of integrity constraints in databases and knowledge bases natural language front ends object oriented database management systems implementation issues such as concurrency control and error recovery and representation of time and knowledge incompleteness from the viewpoints of databases logic programming and AI **Transactions on Large-Scale Data- and Knowledge-Centered Systems I** Abdelkader

Hameurlain,Josef Küng,Roland Wagner,2009-08-24 Data management knowledge discovery and knowledge processing are core and hot topics in computer science They are widely accepted as enabling technologies for modern enterprises enhancing their performance and their decision making processes Since the 1990s the Internet has been the outstanding driving force for application development in all domains An increase in the demand for resource sharing e g computing resources s vices metadata data sources across different sites connected through networks has led to an evolvement of data and knowledge management systems from centralized systems to decentralized systems enabling large scale distributed applications prov ing high scalability Current decentralized systems still focus on data and knowledge as their main resource characterized by heterogeneity of nodes data and knowledge autonomy of data and knowledge sources and services large scale data volumes high numbers of data sources users computing resources dynamicity of nodes These characteristics recognize i limitations of methods and techniques developed for centralized systems ii requirements to extend or design new approaches and methods enhancing efficiency dynamicity and scalability iii development of large scale experimental platforms and relevant benchmarks to evaluate and validate scaling Feasibility of these systems relies basically on P2P peer to peer techniques and agent systems supporting with scaling and decentralized control Synergy between Grids P2P systems and agent technologies is the key to data and knowledge centered systems in large scale environments *Database Systems For Advanced Applications '95 - Proceedings Of The Fourth International Conference* Wang Ling Tok,Yoshifumi Masunaga,1995-03-31 This volume contains three keynote papers and 51 technical papers from contributors around the world on topics in the research and development of database systems such as Data Modelling Object Oriented Databases Active Databases Data Mining Heterogeneous Databases Distributed Databases Parallel Query Processing Multi Media Databases Transaction Management Systems Document Databases Temporal Databases Deductive Databases User Interface and Advanced Database Applications *Database Systems for Advanced Applications* Bonghee Hong,Xiaofeng Meng,Lei Chen,Werner Winiwarter,Wei Song,2013-08-17 This book constitutes the workshop proceedings of the 18th International Conference on Database Systems for Advanced Applications DASFAA 2013 held in Wuhan China in April 2013 The volume contains three workshops each focusing on specific area that contributes to the main themes of the DASFAA conference The First International Workshop on Big Data Management and Analytics BDMA 2013 the Third International Workshop on Social Networks and Social Web SNSM 2013 and the International Workshop on Semantic Computing and Personalization SeCoP 2013 Computerworld ,1997-03-31 For more than 40 years Computerworld has been the leading source of technology news and information for IT influencers worldwide Computerworld s award winning Web site Computerworld com twice monthly publication focused conference series and custom research form the hub of the world s largest global IT media network **The British National Bibliography** Arthur James Wells,2001

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Table of Contents New Concepts For Parallel Objectrelational Query Procebing

1. Understanding the eBook New Concepts For Parallel Objectrelational Query Procebing
   - The Rise of Digital Reading New Concepts For Parallel Objectrelational Query Procebing
   - Advantages of eBooks Over Traditional Books
2. Identifying New Concepts For Parallel Objectrelational Query Procebing
   - Exploring Different Genres
   - Considering Fiction vs. Non-Fiction
   - Determining Your Reading Goals
3. Choosing the Right eBook Platform
   - Popular eBook Platforms
   - Features to Look for in an New Concepts For Parallel Objectrelational Query Procebing
   - User-Friendly Interface
4. Exploring eBook Recommendations from New Concepts For Parallel Objectrelational Query Procebing
   - Personalized Recommendations
   - New Concepts For Parallel Objectrelational Query Procebing User Reviews and Ratings

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