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Indexing Techniques for Advanced Database Systems Developing Quality Complex Database Systems: Practices, Techniques and Technologies **Active, Real-Time, and Temporal Database Systems** **Mobile Database Systems** *Query Processing in Database Systems* **Advanced Database Systems** *Database Systems for Advanced Applications* **Database Systems for Advanced Applications '97** **Database Systems for Advanced Applications '93** *Database Systems For Advanced Applications '97 - Proceedings Of The 5th International Conference On Database Systems For Advanced Applications* *Active and Real-Time Database Systems (ARTDB-95)* *Database Systems for Advanced Applications* **Multimedia Database Systems** **Rules in Database Systems** *Principles of Distributed Database Systems* *eBook: Database Systems Concepts 6e* **Advancing Cloud Database Systems and Capacity Planning With Dynamic Applications** *Active Rules in Database Systems* **Rules in Database Systems** **Visual Database Systems 3** **SQLite Database System: Design and Implementation (First Edition)** **Database and Expert Systems Applications** *Introduction to Database and Knowledge-base Systems* *Innovations in Database Design, Web Applications, and Information Systems Management* **Database and Expert Systems Applications** *Readings in Object-oriented Database Systems* **Database and Expert Systems Applications** **Database Systems for Next-Generation Applications** **A Guided Tour of Relational Databases and Beyond** **Fuzzy Database Modeling** **Computational Science - ICCS 2003. Part 4. Flexible Query Answering Systems** *Principles of Database Query Processing for Advanced Applications* **Database Systems for Advanced Applications** **Managing Information and Communications in a Changing Global Environment** **Database and Expert Systems Applications** **Advances in Database Technology - EDBT 2000** *High Performance Transaction Systems* **Handling Priority Inversion in Time-Constrained Distributed Databases** **Life and Motion of Socio-Economic Units**

Innovations in Database Design, Web Applications, and Information Systems Management Nov 08 2020 New techniques and tools for database and database technologies are continuously being introduced. These technologies are the heart of many business information systems and can benefit from theories, models, and research results from other disciplines. *Innovations in Database Design, Web Applications, and Information Systems Management* presents ideal research in the areas of database theory, systems design, ontologies, and many more. Including examples of the convergence of ideas from various disciplines aimed at improving and developing the theory of information technology and management of information resources, this book is useful for researchers and practitioners in the IT field.

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Developing Quality Complex Database Systems: Practices, Techniques and Technologies Sep 30 2022 *Developing Quality Complex Database Systems: Practices, Techniques and Technologies* provides opportunities for improving today's database systems using innovative development practices, tools and techniques. An emphasis is placed on organizational and management issues. **Mobile Database Systems** Jul 29 2022 A breakthrough sourcebook to the challenges and solutions for mobile database systems This text enables readers to effectively manage mobile database systems (MDS) and data dissemination via wireless channels. The author explores the mobile communication platform and analyzes its use in the development of a distributed database management system. Workable solutions for key challenges in wireless information management are presented throughout the text. Following an

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introductory chapter that includes important milestones in the history and development of mobile data processing, the text provides the information, tools, and resources needed for MDS management, including: * Fundamentals of wireless communication * Location and handoff management * Fundamentals of conventional database management systems and why existing approaches are not adequate for mobile databases * Concurrency control mechanism schemes * Data processing and mobility * Management of transactions * Mobile database recovery schemes * Data dissemination via wireless channels Case studies and examples are used liberally to aid in the understanding and visualization of complex concepts. Various exercises enable readers to test their grasp of each topic before advancing in the text. Each chapter also concludes with a summary of key concepts as well as references for further study. Professionals in the mobile computing industry, particularly e-commerce, will find this text indispensable. With its extensive use of case studies, examples, and exercises, it is also highly recommended as a graduate-level textbook.

Introduction to Database and Knowledge-base Systems Dec 10 2020 This book provides a comprehensive yet concise coverage of the concepts and technology of database systems and their evolution into knowledge-bases. The traditional material on database systems at senior undergraduate level is covered. An understanding of concepts is emphasized avoiding extremes in formalism or detail. Rather than be restricted to a single example used over an entire book, a variety of examples are used. These enable the reader to understand the basic abstractions which underlie description of many practical situations. A major portion of the book concerns database system technology with focus on the relational model. Various topics are discussed in detail, preparing the ground for more advanced work.

SQLite Database System: Design and Implementation (First Edition) Feb 09 2021 A preliminary edition of this book was published from O'Reilly (ISBN 9780596550066). SQLite is a small, embeddable, SQL-based, relational database management system. It has been widely used in low- to medium-tier database applications, especially in embedded devices.

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This book provides a comprehensive description of SQLite database system. It describes design principles, engineering trade-offs, implementation issues, and operations of SQLite.

Rules in Database Systems Sep 18 2021 This book is the proceedings of a workshop held at Heriot-Watt University in Edinburgh in August 1993. The central theme of the workshop was rules in database systems, and the papers presented covered a range of different aspects of database rule systems. These aspects are reflected in the sessions of the workshop, which are the same as the sections in this proceedings: Active Databases Architectures Incorporating Temporal Rules Rules and Transactions Analysis and Debugging of Active Rules Integrating Graphs/Objects with Deduction Integrating Deductive and Active Rules Integrity Constraints Deductive Databases The incorporation of rules into database systems is an important area of research, as it is a major component in the integration of behavioural information with the structural data with which commercial databases have traditionally been associated. This integration of the behavioural aspects of an application with the data to which it applies in database systems leads to more straightforward application development and more efficient processing of data. Many novel applications seem to need database systems in which structural and behavioural information are fully integrated. Rules are only one means of expressing behavioural information, but it is clear that different types of rule can be used to capture directly different properties of an application which are cumbersome to support using conventional database architectures. In recent years there has been a surge of research activity focusing upon active database systems, and this volume opens with a collection of papers devoted specifically to this topic.

Query Processing in Database Systems Jun 27 2022 This book is an anthology of the results of research and development in database query processing during the past decade. The relational model of data provided tremendous impetus for research into query processing. Since a relational query does not specify access paths to the stored data, the database management system (DBMS) must provide an intelligent query-processing subsystem which

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will evaluate a number of potentially efficient strategies for processing the query and select the one that optimizes a given performance measure. The degree of sophistication of this subsystem, often called the optimizer, critically affects the performance of the DBMS. Research into query processing thus started has taken off in several directions during the past decade. The emergence of research into distributed databases has enormously complicated the tasks of the optimizer. In a distributed environment, the database may be partitioned into horizontal or vertical fragments of relations. Replicas of the fragments may be stored in different sites of a network and even migrate to other sites. The measure of performance of a query in a distributed system must include the communication cost between sites. To minimize communication costs for queries involving multiple relations across multiple sites, optimizers may also have to consider semi-join techniques.

Database Systems for Advanced Applications '97 Mar 25 2022 This volume contains the proceedings of the Fifth International Conference on Database Systems for Advanced Applications (DASFAA '97). DASFAA '97 focused on advanced database technologies and their applications. The 55 papers in this volume cover a wide range of areas in the field of database systems and applications ? including the rapidly emerging areas of the Internet, multimedia, and document database systems ? and should be of great interest to all database system researchers and developers, and practitioners.

Database Systems For Advanced Applications '97 - Proceedings Of The 5th International Conference On Database Systems For Advanced Applications Jan 23 2022 This volume contains the proceedings of the Fifth International Conference on Database Systems for Advanced Applications (DASFAA '97). DASFAA '97 focused on advanced database technologies and their applications. The 55 papers in this volume cover a wide range of areas in the field of database systems and applications - including the rapidly emerging areas of the Internet, multimedia, and document database systems - and should be of great interest to all database system researchers and developers, and practitioners.

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Database Systems for Next-Generation Applications Jul 05 2020 This volume is the first in a series which aims to contribute to the wider dissemination of the results of research and development in database systems for non-traditional applications and non-traditional machine organizations. It contains updated versions of selected papers from the First International Symposium on Database Systems for Advanced Applications. Contents: A Framework for the Parallel Evaluation of Recursive Queries in Deductive Databases (R-P Qi & W Bibel) Realization of Composite Relationship Views Utilizing Regular Expressions (H-Y Xu & Y Kambayashi) Seamless Interconnection in Federated Database Systems (D Fang & D McLeod) Case-Based Evolutionary World Model for Electronic Secretaries (K Kanasaki & T L Kunii) Design and Implementation of a Visual Query Language for Historical Databases (E Oomoto & K Tanaka) Intersection Operations in a Multi-Layered Spatial Data Model (D W Embley & G Nagy) Partial Match Retrieval Using Multiple-Key Hashing with Multiple File Copies (K Ramamohanarao et al.) Overview of Functional Disk System (M Kitsuregawa et al.) and other papers Readership: Computer scientists and engineers.

A Guided Tour of Relational Databases and Beyond Jun 03 2020 Addressing important extensions of the relational database model, including deductive, temporal, and object-oriented databases, this book provides an overview of database modeling with the Entity-Relationship (ER) model and the relational model. The book focuses on the primary achievements in relational database theory, including query languages, integrity constraints, database design, computable queries, and concurrency control. This reference will shed light on the ideas underlying relational database systems and the problems that confront database designers and researchers.

Active, Real-Time, and Temporal Database Systems Aug 30 2022 Database systems of the next generation are likely to be inherently very complex due to the diversity of requirements placed on them. Incorporating active, real time, and temporal virtues in one database system is an arduous effort but is also a commendable

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one. This book presents the proceedings of the Second International Workshop on Active, Real Time, and Temporal Database Systems (ARTDB 97), held in Como, Milan, in September 1997. The aim of the workshop was to bring researchers together from the active and real time research communities, and to examine the current state of the art in active, real time, and temporal database systems. This book offers a collection of papers presented at the ARTDB 97 workshop. The papers, many of them representing proficient and tenable results, illuminate the feasibility of building database system supporting reactive behavior, while enforcing timeliness and predictability. The book contains nine papers carefully reviewed and accepted by the program committee, three invited papers written by prominent researchers in the field, and two summaries of the panel discussions held at the workshop. The program committee received seventeen submissions, where each submission was reviewed by at least three program committee members. The two panel sessions focused on predictability issues and on practical experience of active, real time, and temporal database systems. The ARTDB 97 workshop was held in cooperation with the IEEE Technical Committees on Real Time Systems and Complexity in Computing, and the ACM Special Interest Group on Manipulation of Data.

Principles of Distributed Database Systems Aug 18 2021 This third edition of a classic textbook can be used to teach at the senior undergraduate and graduate levels. The material concentrates on fundamental theories as well as techniques and algorithms. The advent of the Internet and the World Wide Web, and, more recently, the emergence of cloud computing and streaming data applications, has forced a renewal of interest in distributed and parallel data management, while, at the same time, requiring a rethinking of some of the traditional techniques. This book covers the breadth and depth of this re-emerging field. The coverage consists of two parts. The first part discusses the fundamental principles of distributed data management and includes distribution design, data integration, distributed query processing and optimization, distributed transaction management, and replication. The second part focuses on more advanced topics and includes

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discussion of parallel database systems, distributed object management, peer-to-peer data management, web data management, data stream systems, and cloud computing. New in this Edition: • New chapters, covering database replication, database integration, multidatabase query processing, peer-to-peer data management, and web data management. • Coverage of emerging topics such as data streams and cloud computing • Extensive revisions and updates based on years of class testing and feedback Ancillary teaching materials are available.

Multimedia Database Systems Oct 20 2021

This volume is a compendium of recent research and development work pertaining to the problems and issues in the design and development of multimedia database systems. The design of indexing and organization

techniques and the development of efficient and

eBook: Database Systems Concepts 6e Jul 17

2021 eBook: Database Systems Concepts 6e

Advanced Database Systems May 27 2022

Database management is attracting wide interest in both academic and industrial contexts. New application areas such as CAD/CAM, geographic information systems, and multimedia are emerging. The needs of these application areas are far more complex than those of conventional business applications. The purpose of this book is to bring together a set of current research issues that addresses a broad spectrum of topics related to database systems and applications. The book is divided into four parts: - object-oriented databases, - temporal/historical database systems, - query processing in database systems, - heterogeneity, interoperability, open system architectures, multimedia database systems.

Indexing Techniques for Advanced Database

Systems Nov 01 2022 Recent years have seen an explosive growth in the use of new database applications such as CAD/CAM systems, spatial information systems, and multimedia information systems. The needs of these applications are far more complex than traditional business applications. They call for support of objects with complex data types, such as images and spatial objects, and for support of objects with wildly varying numbers of index terms, such as documents. Traditional indexing

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techniques such as the B-tree and its variants do not efficiently support these applications, and so new indexing mechanisms have been developed. As a result of the demand for database support for new applications, there has been a proliferation of new indexing techniques. The need for a book addressing indexing problems in advanced applications is evident. For practitioners and database and application developers, this book explains best practice, guiding the selection of appropriate indexes for each application. For researchers, this book provides a foundation for the development of new and more robust indexes. For newcomers, this book is an overview of the wide range of advanced indexing techniques. Indexing Techniques for Advanced Database Systems is suitable as a secondary text for a graduate level course on indexing techniques, and as a reference for researchers and practitioners in industry.

Principles of Database Query Processing for Advanced Applications Jan 29 2020 A thorough presentation of query processing techniques in a broad range of database systems for advanced applications. Provides the most effective query processing techniques and ways to optimize the information retrieval process. Intended for database systems designers creating advanced applications.

Active and Real-Time Database Systems (ARTDB-95) Dec 22 2021 The areas of active and real-time databases have seen a tremendous growth of interest in the past few years, particularly with regard to their support of time-critical and embedded applications. ARTDB-95 provided, therefore, an important forum for researchers from both communities to discuss research results, and also to chart new directions for the future. As well as the 11 submitted papers presented at the workshop, this volume also contains 4 invited papers on the following topics: the impact of active databases on commercial practice; the optimization of active database transactions; the need for better language, compiler and tool support for real-time databases; and the origin of time constraints associated with data, events and actions. Together the papers give a comprehensive overview of current research, and will provide invaluable reading for academic
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and industrial researchers and students at both undergraduate and postgraduate level.

Fuzzy Database Modeling May 03 2020 Some recent fuzzy database modeling advances for the non-traditional applications are introduced in this book. The focus is on database models for modeling complex information and uncertainty at the conceptual, logical, physical design levels and from integrity constraints defined on the fuzzy relations. The database models addressed here are; the conceptual data models, including the ExIFO and ExIFO2 data models, the logical database models, including the extended NF2 database model, fuzzy object-oriented database model, and the fuzzy deductive object-oriented database model. Integrity constraints are defined on the fuzzy relations are also addressed. A continuing reason for the limited adoption of fuzzy database systems has been performance. There have been few efforts at defining physical structures that accommodate fuzzy information. A new access structure and data organization for fuzzy information is introduced in this book.

Database Systems for Advanced Applications Apr 25 2022 This two volume set LNCS 6587 and LNCS 6588 constitutes the refereed proceedings of the 16th International Conference on Database Systems for Advanced Applications, DASFAA 2011, held in Saarbrücken, Germany, in April 2010. The 53 revised full papers and 12 revised short papers presented together with 2 invited keynote papers, 22 demonstration papers, 4 industrial papers, 8 demo papers, and the abstract of 1 panel discussion, were carefully reviewed and selected from a total of 225 submissions. The topics covered are social network, social network and privacy, data mining, probability and uncertainty, stream processing, graph, XML, XML and graph, similarity, searching and digital preservation, spatial queries, query processing, as well as indexing and high performance.

Advancing Cloud Database Systems and Capacity Planning With Dynamic Applications Jun 15 2021 Continuous improvements in data analysis and cloud computing have allowed more opportunities to develop systems with user-focused designs. This not only leads to higher success in day-to-day usage, but it increases the overall probability of

technology adoption. Advancing Cloud Database Systems and Capacity Planning With Dynamic Applications is a key resource on the latest innovations in cloud database systems and their impact on the daily lives of people in modern society. Highlighting multidisciplinary studies on information storage and retrieval, big data architectures, and artificial intelligence, this publication is an ideal reference source for academicians, researchers, scientists, advanced level students, technology developers and IT officials.

Database and Expert Systems Applications

Oct 27 2019 This book contains the refereed proceedings of the 8th International Conference on Database and Expert Systems Applications, DEXA '97, held in Toulouse, France, September 1997. The 62 revised full papers presented in the book, together with three invited contributions, were selected from a total of 159 submissions. The papers are organized in sections on modeling, object-oriented databases, active and temporal aspects, images, integrity constraints, multimedia databases, deductive databases and knowledge-based systems, allocation concepts, data interchange, digital libraries, transaction concepts, learning issues, optimization and performance, query languages, maintenance, federated databases, uncertainty handling and qualitative reasoning, and software engineering and reusable software.

Rules in Database Systems Apr 13 2021 This book constitutes the refereed proceedings of the Second International Workshop on Rules in Database Systems, RIDS '95, held in Athens, Greece, in September 1995. The book presents 22 revised full papers selected during a very careful reviewing process from a total of 47 submissions. In addition, there is a detailed invited introduction for a panel discussion on the Active Database Management Systems Manifesto. The papers are organized in sections on semantics for database systems, active behavior, rule base organization and modeling, rule analysis, deductive databases, implementation and benchmarking of active database systems, and cooperative systems support.

Handling Priority Inversion in Time-Constrained Distributed Databases Jul 25 2019 In the computer science industry, high
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levels of performance remain the focal point in software engineering. This quest has made current systems exceedingly complex, as practitioners strive to discover novel approaches to increase the capabilities of modern computer structures. A prevalent area of research in recent years is scalable transaction processing and its usage in large databases and cloud computing. Despite its popularity, there remains a need for significant research in the understanding of scalability and its performance within distributed databases. Handling Priority Inversion in Time-Constrained Distributed Databases provides emerging research exploring the theoretical and practical aspects of database transaction processing frameworks and improving their performance using modern technologies and algorithms. Featuring coverage on a broad range of topics such as consistency mechanisms, real-time systems, and replica management, this book is ideally designed for IT professionals, computing specialists, developers, researchers, data engineers, executives, academics, and students seeking research on current trends and developments in distributed computing and databases.

Managing Information and Communications in a Changing Global Environment

Nov 28 2019 Advances of information and communications technologies have created new forces in managing organizations. These forces are leading modern organizations to reassess their current structures to become more effective in the growing global economy. This Proceedings is aimed at the challenges involved in effective utilization and management of technologies in contemporary organizations.

Database and Expert Systems Applications Jan 11 2021 The Database and Expert Systems Applications (DEXA) conferences bring together researchers and practitioners from all over the world to exchange ideas, experiences and opinions in a friendly and stimulating environment. The papers are at once a record of what has been achieved and the first steps towards shaping the future of information systems. DEXA covers a broad field, and all aspects of database, knowledge base and related technologies and their applications are represented. Once again there were a good number of submissions: 241 papers were

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submitted and of these the programme committee selected 103 to be presented. DEXA'99 took place in Florence and was the tenth conference in the series, following events in Vienna, Berlin, Valencia, Prague, Athens, London, Zurich, Toulouse and Vienna. The decade has seen many developments in the areas covered by DEXA, developments in which DEXA has played its part. I would like to express thanks to all the institutions which have actively supported and made possible this conference, namely: • University of Florence, Italy • IDG CNR, Italy • FAW - University of Linz, Austria • Austrian Computer Society • DEXA Association In addition, we must thank all the people who have contributed their time and effort to make the conference possible. Special thanks go to Maria Schweikert (Technical University of Vienna), M. Neubauer and G. Wagner (FAW, University of Linz). We must also thank all the members of the programme committee, whose careful reviews are important to the quality of the conference.

Database and Expert Systems Applications

Aug 06 2020 The Database and Expert Systems Applications - DEXA - conferences are dedicated to providing an international forum for the presentation of applications in the database and expert systems field, for the exchange of ideas and experiences, and for defining requirements for the future systems in these fields. After the very promising DEXA 90 in Vienna, Austria, we hope to have successfully established with this year's DEXA 91 a stage where scientists from diverse fields interested in application-oriented research can present and discuss their work. This year there was a total of more than 250 submitted papers from 28 different countries, in all continents. Only 98 of the papers could be accepted. The collection of papers in these proceedings offers a cross-section of the issues facing the area of databases and expert systems, i.e., topics of basic research interest on one hand and questions occurring when developing applications on the other. Major credit for the success of the conference goes to all of our colleagues who submitted papers for consideration and to those who have organized and chaired the panel sessions. Many persons contributed numerous hours to organize this conference. The names of most of them will

appear on the following pages. In particular we wish to thank the Organization Committee Chairmen Johann Gordesch, A Min Tjoa, and Roland Wagner, who also helped establishing the program. Special thanks also go to Gabriella Wagner and Anke Ruckert. Dimitris Karagiannis General Conference Chairman Contents Conference Committee.

Advances in Database Technology - EDBT

2000 Sep 26 2019 EDBT 2000 is the seventh conference in a series dedicated to the advancement of database technology. This year's conference special theme, "Connect Millions of Users and Data Sources," underscores the importance of databases for the information age that is dawning with the new millennium. The importance derives not just from the observation that the information age essentially rests on the convergence of communications, computing, and storage. Equally important, many of the concepts and techniques underlying the success of database systems have independent meaning and impact for today's distributed information systems. The papers in the volume should also be seen in this light. The EDBT 2000 conference program includes 30 research papers selected by the program committee out of 187 submissions, covering advances in research, development, and applications of databases. The conference program also includes six industry and applications papers, a panel discussion, six tutorials, and several software demonstrations. The conference features three distinguished invited speakers: Ashish Gupta discusses database issues in electronic commerce, Stefano Ceri addresses the impact and challenges of XML on databases, and Andreas Reuter shares his views on new perspectives on database technology. The technical contributions presented at the EDBT 2000 conference are collected and preserved in this volume that we are pleased to present to you with the expectation that it will serve as a valuable research and reference tool in your professional life.

Database and Expert Systems Applications

Oct 08 2020 th DEXA 2001, the 12 International Conference on Database and Expert Systems Applications was held on September 3-5, 2001, at the Technical University of Munich, Germany. The rapidly growing spectrum of database applications has led to the establishment of more

specialized discussion platforms (DaWaK conference, EC Web conference, and DEXA workshop), which were all held in parallel with the DEXA conference in Munich. In your hands are the results of much effort, beginning with the preparation of the submitted papers. The papers then passed through the reviewing process, and the accepted papers were revised to final versions by their authors and arranged with the conference program. All this culminated in the conference itself. A total of 175 papers were submitted to this conference, and I would like to thank all the authors. They are the real base of the conference. The program committee and the supporting reviewers produced altogether 497 referee reports, on average of 2.84 reports per paper, and selected 93 papers for presentation. Comparing the weight or more precisely the number of papers devoted to particular topics at several recent DEXA conferences, an increase can be recognized in the areas of XMS databases, active databases, and multi and hypermedia efforts. The space devoted to the more classical topics such as information retrieval, distribution and Web aspects, and transaction, indexing and query aspects has remained more or less unchanged. Some decrease is visible for object orientation.

Database Systems for Advanced

Applications Dec 30 2019 This two volume set LNCS 7238 and LNCS 7239 constitutes the refereed proceedings of the 17th International Conference on Database Systems for Advanced Applications, DASFAA 2012, held in Busan, South Korea, in April 2012. The 44 revised full papers and 8 short papers presented together with 2 invited keynote papers, 8 industrial papers, 8 demo presentations, 4 tutorials and 1 panel paper were carefully reviewed and selected from a total of 159 submissions. The topics covered are query processing and optimization, data semantics, XML and semi-structured data, data mining and knowledge discovery, privacy and anonymity, data management in the Web, graphs and data mining applications, temporal and spatial data, top-k and skyline query processing, information retrieval and recommendation, indexing and search systems, cloud computing and scalability, memory-based query processing, semantic and decision support systems, social data, data

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mining.

Life and Motion of Socio-Economic Units Jun 23 2019 One of the ongoing problems researchers in geography and GIS have is studying data that is inherently spatial over a long period of time. One of the main hurdles they have to overcome is the study of groups of people classified by their socio-economic status (one of the main means for governments, companies and research organisations to group together segments of the population). The amount of data collected by governments, business and research organisations has increased markedly in recent years. Geographic Information Systems have been more widely used than ever before for the storage and analysis of this information. Most GIS can handle this information spatially rather than temporally, and have difficulty with the management of socio-economic time series, which relate to spatial units. Accordingly, this book covers the issues ranging from the formal model to differentiate aspects of spatio-temporal data, through philosophical and fundamental reconsideration of time and space to the development of practical solutions to the problem. This book draws together an interdisciplinary group of scientists in the field of geography, computing, surveying and philosophy. It presents the definitive sourcebook on temporal GIS as applied to socio-economic units.

Database Systems for Advanced Applications

Nov 20 2021 The 9th International Conference on Database Systems for Advanced Applications (DASFAA 2004) was held during March 17-19, 2004 on the beautiful Jeju island of Korea. The DASFAA conference provides an international forum for technical discussions among researchers, developers, and users of database - stems from academia, business, and industry. The main focus of DASFAA is on research in database theory, development of advanced DBMS technologies, and their advanced applications. A premier database conference in the Asia/Pacific region, DASFAA has been held every two years, and in many countries in the region. To promote the area further and to answer the needs of many participants, the steering committee decided to hold the conference annually. DASFAA 2004 was the first

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such annual conference. The conference was organized by the Special Interest Group on Databases (SIGDB) of the Korea Information Science Society and the Advanced Information Technology Research Center (AITrc) at KAIST - an engineering research center of excellence (ERC) supported by the Korea Science and Engineering Foundation (KOSEF). We had a number of sponsors who made generous contributions to make the conference successful. They are Oracle Korea, Samsung SDS, Korea Telecom Data, Inc., the United States Air Force Office of Scientific Research, the Asian Office of Aerospace Research & Development, the Army Research Office-Far East, and the Korea Advanced Institute of Science and Technology (KAIST).

Visual Database Systems 3 Mar 13 2021 Both the way we look at data, through a DBMS, and the nature of data we ask a DBMS to manage have drastically evolved over the last decade, moving from text to images (and to sound to a lesser extent). Visual representations are used extensively within new user interfaces. Powerful visual approaches are being experimented for data manipulation, including the investigation of three dimensional display techniques. Similarly, sophisticated data visualization techniques are dramatically improving the understanding of the information extracted from a database. On the other hand, more and more applications use images as basic data or to enhance the quality and richness of data manipulation services. Image management has opened a wide area of new research topics in image understanding and analysis. The IFIP 2.6 Working Group on Databases strongly believes that a significant mutual enrichment is possible by confronting ideas, concepts and techniques supporting the work of researcher and practitioners in the two areas of visual interfaces to DBMS and DBMS management of visual data. For this reason, IFIP 2.6 has launched a series of conferences on Visual Database Systems. The first one has been held in Tokyo, 1989. VDB-2 was held in Budapest, 1991. This conference is the third in the series. As the preceding editions, the conference addresses researchers and practitioners active or interested in user interfaces, human-computer communication, knowledge representation and management,

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image processing and understanding, multimedia database techniques and computer vision.

Computational Science - ICCS 2003. Part 4.

Apr 01 2020 The four-volume set LNCS 2657, LNCS 2658, LNCS 2659, and LNCS 2660 constitutes the refereed proceedings of the Third International Conference on Computational Science, ICCS 2003, held concurrently in Melbourne, Australia and in St. Petersburg, Russia in June 2003. The four volumes present more than 460 reviewed contributed and invited papers and span the whole range of computational science, from foundational issues in computer science and algorithmic mathematics to advanced applications in virtually all application fields making use of computational techniques. These proceedings give a unique account of recent results in the field.

Database Systems for Advanced

Applications '93 Feb 21 2022 This proceedings volume contains 52 technical research papers on multidatabases, distributed DB, multimedia DB, object-oriented DB, real-time DB, temporal DB, deductive DB, and intelligent user interface. Some industrial papers are also included. Contents: Relational Query Formulation by Pseudonatural Language Text Manipulation (H Amano & Y Kambayashi)Efficient Global Transaction Management in Multidatabase Systems (S Mehrotra et al.)Determining Schema Interdependencies in Object-Oriented Multidatabase Systems (J Yang & M P Papazoglou)An Object-Centered Data Model for Engineering Design Databases (H Zhao & A Biliris)Generating Object-Oriented Views from an ER-Based Conceptual Schema (T-W Ling et al.)Scheduling and Concurrency Control for Real-Time Database Systems (S H Son & S Park)Query Processing Techniques in the Team-Oriented Database Query Language (J-T Horng et al.)A Knowledge Based System Converting ER Model into an Object-Oriented Database Schema (I-Y Song & H M Godsey)Logical Data Independence Via Views: A Misapprehension? (J M de Graaff et al.)Temporal Query Processing for Scene Retrieval in Motion Image Databases (J Takahashi)Qualitative Behavior Modeling of Information Processing Components (S H Oh et al.)A Multimedia Database for an Advanced

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Teleshopping Application (D Maino et al.)

Readership: Computer scientists.

High Performance Transaction Systems Aug 25 2019 This Lecture Notes volume is based on the "International Workshop on High Performance Transaction Systems" held in the Asilomar Conference Center, September 28-30, 1987. Many of the problems identified during the workshop are liable to determine the future development of transaction systems and distributed high performance systems in general for many years to come. So the organizers of HPTS '87 felt encouraged to collect the papers presented at the workshop in order to make them accessible to a wider audience of interested developers and researchers. Since some of the contributions represented work in progress, the authors agreed to prepare revised and updated versions of their papers for this publication. This accounts for the long delay between the event itself and the publication, but on the other hand it provides the reader with a state-of-the-art account of transaction processing topics. The book is organized according to the major sections of the workshop. In the network section the reader finds an analysis of two of the major "paradigms" in networking, ISO/OSI and SNA, from the perspective of transaction processing. In the next section four different transaction processing and database systems are described: Model 204 - a database management system marketed by Computer Corporation of America, Tandem's NonStop SQL, Citicorp's transaction processing system and ALCS, which basically is a version of TPF running under MVS/XA. The section on architectural issues contains four very different contributions which are fairly representative of the type of problems in transaction systems investigated in the research

community. Finally, performance evaluations and system comparisons are presented.

Flexible Query Answering Systems Mar 01 2020 This book constitutes the thoroughly refereed post-workshop proceedings of the Third International Conference on Flexible Query Answering Systems, FQAS'98, held in Roskilde, Denmark, in May 1998. The 32 revised papers presented were carefully reviewed and went through two rounds of selection for inclusion in the proceedings. This book is the first one focused on flexible query answering systems; this emerging area of research and development builds on results from mathematical logic, fuzzy logic, various database paradigms, information retrieval, linguistics, and human computer-interaction. The papers deal with issues occurring in querying databases and the Internet.

Active Rules in Database Systems May 15 2021 A timely survey of the field from the point of view of some of the subject's most active researchers. Divided into several parts organized by theme, the book first covers the underlying methodology regarding active rules, followed by formal specification, rule analysis, performance analysis, and support tools. It then moves on to the implementation of active rules in a number of commercial systems, before concluding with applications and future directions for research. All researchers in databases will find this a valuable overview of the topic.

Readings in Object-oriented Database Systems Sep 06 2020 Fundamentals of object-oriented databases; Object-oriented fundamentals; Semantic data models and persistent languages; Object-oriented database systems; Implementation; Transaction processing; Special features; Relational extensions and extensible databases; Interfaces; Applications.