Real Time Analytics Algorithms And Systems Vldb

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Mining Massive Data Sets for Security - Françoise Fogelman-Soulié 2008
The real power for security applications will come from the synergy of academic and commercial research focusing on the specific issue of security. Special constraints apply to this domain, which are not always taken into consideration by academic research, but are critical for successful security applications: large volumes: techniques must be able to handle huge amounts of data and perform 'on-line' computation; scalability: algorithms must have processing times that scale well with ever growing volumes; automation: the analysis process must be automated so that information extraction can 'run on its own'; ease of use: everyday citizens should be able to extract and assess the necessary information; and robustness: systems must be able to cope with data of poor quality (missing or erroneous data). The NATO Advanced Study Institute (ASI) on Mining Massive Data Sets for Security, held in Italy, September 2007, brought together around ninety participants to discuss these issues. This publication includes the most important contributions, but can of course not entirely reflect the lively interactions which allowed the participants to exchange their views and share their experience. The bridge between academic methods and industrial constraints is systematically discussed throughout. This volume will thus serve as a reference book for anyone interested in understanding the techniques for handling very large data sets and how to apply them in conjunction for solving security issues.

Advances in Geo-Spatial Information Science - Wenzhong Shi 2012-06-12
Advances in Geo-Spatial Information Science presents recent advances regarding fundamental issues of geo-spatial information science (space and time, spatial analysis, uncertainty modeling and geo-visualization), and new scientific and technological research initiatives for geo-spatial information science (such as spatial data mining, mobile data modeling, and location-based services). The book contains selected and revised papers presented at the joint International Conference on Theory, Data Handling and Modelling in GeoSpatial Information Science (Hong Kong, 26–28 May 2010), and brings together three related international academic communities: spatial information science, spatial data handling, and modeling geographic systems. Advances in Geo-Spatial Information Science will be of interest for academics and professionals interested in spatial information science, spatial data handling, and modeling of geographic systems.

New Directions in Web Data Management 1 - Athena Vakali 2011-02-04
This book addresses the major issues in the Web data management related to technologies and infrastructures, methodologies and

techniques as well as applications and implementations. Emphasis is placed on Web engineering and technologies, Web graph managing, searching and querying and the importance of social Web.

Data Warehousing and Knowledge Discovery - Alfredo Cuzzocrea 2012-08-29

This book constitutes the refereed proceedings of the 14th International Conference on Data Warehousing and Knowledge Discovery, DaWaK 2012 held in Vienna, Austria, in September 2012. The 36 revised full papers presented were carefully reviewed and selected from 99 submissions. The papers are organized in topical sections on data warehouse design methodologies, ETL methodologies and tools, multidimensional data processing and management, data warehouse and OLAP extensions, data warehouse performance and optimization, data mining and knowledge discovery techniques, data mining and knowledge discovery applications, pattern mining, data stream mining, data warehouse confidentiality and security, and distributed paradigms and algorithms.

Proceedings of the Fifteenth International Conference on Very Large Data Bases - Petrus Maria Gerardus Apers 1989

Active, Real-Time, and Temporal Database Systems - Sten F. Andler 1999-02-24

This book constitutes the thoroughly refereed post-workshop proceedings of the Second International Workshop on Active, Real-Time, and Temporal Database Systems, ARTDB'97, held in Como, Italy in September 1997. The nine revised full papers presented were carefully reviewed and selected from a total of 17 submissions. Also included are an introductory survey chapter and three invited papers written by prominent researchers in the field, as well as two summaries of the panel discussions held at the workshop. The papers are devoted to the issue of building database systems supporting reactive behaviour, while enforcing timeliness and predictability.

Wireless Algorithms, Systems, and Applications - Zhipeng Cai 2014-06-18

This book constitutes the refereed proceedings of the 9th International Conference on Wireless Algorithms, Systems and Applications, WASA 2014, held in Harbin, China, in June 2014. The 41 revised full papers presented together with 30 invited papers were carefully reviewed and selected from 134 submissions. The papers cover a wide range of topics including cognitive radio networks, wireless sensor networks, cyber-physical systems, distributed and localized algorithm design and analysis, information and coding theory for wireless networks, localization, mobile cloud computing, topology control and coverage, security and privacy, underwater and underground networks, vehicular networks, information processing and data management, programmable service interfaces, energy-efficient algorithms, system and protocol design, operating system and middle-ware support and experimental test-beds and models.

Geographic Information Science - Thomas J. Cova 2008-09-22

The GIScience conference series was founded in 2000 with the goal of providing a forum for researchers interested in advancing the fundamental aspects of the prod- tion, dissemination, and use of geographic information. The conference is held bi- nually and attracts people from academia, industry, and government across a host of disciplines including cognitive science, computer science, engineering, geography, information science, mathematics, philosophy, psychology, social science, and stat- tics. Following a very successful conference in Münster, Germany in 2006, this year's conference was held in Park City, Utah, USA, the prior site of the 2002 Winter Ol- pics and home to the annual Sundance Film Festival. There are two forms of submission to the conference: full papers of 6000 words or less and extended abstracts of 500-1000 words for either a presentation or poster. This format was originally designed to capture the cultural difference between researchers who prefer to publish a peer-reviewed conference paper and those who would rather submit an abstract covering work in progress. This year 77 full papers were submitted and reviewed by 3 Program Committee members, of which 24 were selected for pr- entation and inclusion in this volume. Of the 115 extended abstracts that were subm-

ted and reviewed by 2 Program Committee members, 47 were accepted for an oral presentation and 25 were accepted for presentation as a poster. The abstracts were published in a second booklet and are available on the GIScience website (http://www. giscience. org).

Advanced Data Mining and Applications - Xue Li 2005-07-12
This book constitutes the refereed proceedings of the First International Conference on Advanced Data Mining and Applications, ADMA 2005, held in Wuhan, China in July 2005. The conference was focused on sophisticated techniques and tools that can handle new fields of data mining, e.g. spatial data mining, biomedical data mining, and mining on high-speed and time-variant data streams; an expansion of data mining to new applications is also strived for. The 25 revised full papers and 75 revised short papers presented were carefully peer-reviewed and selected from over 600 submissions. The papers are organized in topical sections on association rules, classification, clustering, novel algorithms, text mining, multimedia mining, sequential data mining and time series mining, web mining, biomedical mining, advanced applications, security and privacy issues, spatial data mining, and streaming data mining.

Proceedings of the 11th Joint International Computer Conference
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Quality-aware Scheduling for Key-value Data Stores - Chen Xu 2015-06-05
This book comprehensively illustrates quality-ware scheduling in key-value stores. In addition, it provides scheduling strategies and a prototype framework of quality-aware scheduler as well as a demonstration of online applications. The book offers a rich blend of theory and practice which is suitable for students, researchers and practitioners interested in distributed systems, NoSQL key-value stores and scheduling.

Database Systems for Advanced Applications - Kian Lee Tan 2006-03-11
This book constitutes the refereed proceedings of the 11th International Conference on Database Systems for Advanced Applications, DASFAA 2006, held in Singapore in April 2006. 46 revised full papers and 16 revised short papers presented were carefully reviewed and selected from 188 submissions. Topics include sensor networks, subsequence matching and repeating patterns, spatial-temporal databases, data mining, XML compression and indexing, xpath query evaluation, uncertainty and streams, peer-to-peer and distributed networks and more.

Data Science - Qinglei Zhou 2018-09-10
This two volume set (CCIS 901 and 902) constitutes the refereed proceedings of the 4th International Conference of Pioneering Computer Scientists, Engineers and Educators, ICPCSEE 2018 (originally ICYCSEE) held in Zhengzhou, China, in September 2018. The 125 revised full papers presented in these two volumes were carefully reviewed and selected from 1057 submissions. The papers cover a wide range of topics related to basic theory and techniques for data science including mathematical issues in data science, computational theory for data science, big data management and applications, data quality and data preparation, evaluation and measurement in data science, data visualization, big data mining and knowledge management, infrastructure for data science, machine learning for data science, data security and privacy, applications of data science, case study of data science, multimedia data management and analysis, data-driven scientific research, data-driven bioinformatics, data-driven healthcare, data-driven management, data-driven eGovernment, data-driven smart city/planet, data marketing and economics, social media and recommendation systems, data-driven security, data-driven business model innovation, social and/or organizational impacts of data science.

Real-Time Analytics - Byron Ellis 2014-06-23
Construct a robust end-to-end solution for analyzing and visualizing streaming data Real-time analytics is the hottest topic in data analytics today. In Real-Time Analytics: Techniques to Analyze and Visualize Streaming Data, expert Byron Ellis teaches data analysts technologies to build an effective real-time analytics platform. This platform can then be used to make sense of the constantly changing data that is beginning to outpace traditional batch-based analysis platforms. The author is among

a very few leading experts in the field. He has a prestigious background in research, development, analytics, real-time visualization, and Big Data streaming and is uniquely qualified to help you explore this revolutionary field. Moving from a description of the overall analytic architecture of real-time analytics to using specific tools to obtain targeted results, Real-Time Analytics leverages open source and modern commercial tools to construct robust, efficient systems that can provide real-time analysis in a cost-effective manner. The book includes: A deep discussion of streaming data systems and architectures Instructions for analyzing, storing, and delivering streaming data Tips on aggregating data and working with sets Information on data warehousing options and techniques Real-Time Analytics includes in-depth case studies for website analytics, Big Data, visualizing streaming and mobile data, and mining and visualizing operational data flows. The book's "recipe" layout lets readers quickly learn and implement different techniques. All of the code examples presented in the book, along with their related data sets, are available on the companion website.

Real-Time & Stream Data Management - Wolfram Wingerath 2019-01-02
While traditional databases excel at complex queries over historical data, they are inherently pull-based and therefore ill-equipped to push new information to clients. Systems for data stream management and processing, on the other hand, are natively pushoriented and thus facilitate reactive behavior. However, they do not retain data indefinitely and are therefore not able to answer historical queries. The book provides an overview over the different (push-based) mechanisms for data retrieval in each system class and the semantic differences between them. It also provides a comprehensive overview over the current state of the art in real-time databases. It sfirst includes an in-depth system survey of today's real-time databases: Firebase, Meteor, RethinkDB, Parse, Baqend, and others. Second, the high-level classification scheme illustrated above provides a gentle introduction into the system space of data management: Abstracting from the extreme system diversity in this field, it helps readers build a mental model of the available options.

Proceedings of the Fifth SIAM International Conference on Data Mining - Hillol Kargupta 2005-04-01
The Fifth SIAM International Conference on Data Mining continues the tradition of providing an open forum for the presentation and discussion of innovative algorithms as well as novel applications of data mining. Advances in information technology and data collection methods have led to the availability of large data sets in commercial enterprises and in a wide variety of scientific and engineering disciplines. The field of data mining draws upon extensive work in areas such as statistics, machine learning, pattern recognition, databases, and high performance computing to discover interesting and previously unknown information in data. This conference results in data mining, including applications, algorithms, software, and systems.

Big Data Analytics and Knowledge Discovery - Robert Wrembel 2022-07-25
This volume LNCS 13428 constitutes the papers of the 24 th International Conference on Big Data Analytics and Knowledge Discovery, held in August 2022 in Vienna, Austria. The 12 full papers presented together with 12 short papers in this volume were carefully reviewed and selected from a total of 57 submissions. The papers reflect a wide range of topics in the field of data integration, data warehousing, data analytics, and recently big data analytics, in a broad sense. The main objectives of this event are to explore, disseminate, and exchange knowledge in these fields.

Handbook of Research on Innovations in Database Technologies and Applications - Viviana E. Ferraggine 2009-01-01
"This book provides a wide compendium of references to topics in the field of the databases systems and applications"--Provided by publisher.

Intelligent Information and Database Systems - Paweł Sitek 2020-03-03
This volume constitutes the refereed proceedings of the 12th Asian Conference on Intelligent Information and Database Systems, ACIIDS 2020, held in Phuket, Thailand, in March 2020. The total of 50 full papers accepted for publication in these proceedings were carefully reviewed

and selected from 180 submissions. The papers are organized in the following topical sections: advanced big data, machine learning and data mining; industry applications of intelligent methods and systems; artificia intelligence, optimization, and databases in practical applications; intelligent applications of internet of things; recommendation and user centric applications of intelligent systems.

The Internet of Things - John Davies 2020-02-20
Provides comprehensive coverage of the current state of IoT, focusing on data processing infrastructure and techniques Written by experts in the field, this book addresses the IoT technology stack, from connectivity through data platforms to end-user case studies, and considers the tradeoffs between business needs and data security and privacy throughout. There is a particular emphasis on data processing technologies that enable the extraction of actionable insights from data to inform improved decision making. These include artificial intelligence techniques such as stream processing, deep learning and knowledge graphs, as well as data interoperability and the key aspects of privacy, security and trust. Additional aspects covered include: creating and supporting IoT ecosystems; edge computing; data mining of sensor datasets; and crowd-sourcing, amongst others. The book also presents several sections featuring use cases across a range of application areas such as smart energy, transportation, smart factories, and more. The book concludes with a chapter on key considerations when deploying IoT technologies in the enterprise, followed by a brief review of future research directions and challenges. The Internet of Things: From Data to Insight Provides a comprehensive overview of the Internet of Things technology stack with focus on data driven aspects from data modelling and processing to presentation for decision making Explains how IoT technology is applied in practice and the benefits being delivered. Acquaints readers that are new to the area with concepts, components, technologies, and verticals related to and enabled by IoT Gives IoT specialists a deeper insight into data and decision-making aspects as well as novel technologies and application areas Analyzes and presents important emerging technologies for the IoT arena Shows how different objects and devices can be connected to decision making processes at various levels of abstraction The Internet of Things: From Data to Insight will appeal to a wide audience, including IT and network specialists seeking a broad and complete understanding of IoT, CIOs and CIO teams, researchers in IoT and related fields, final year undergraduates, graduate students, post-graduates, and IT and science media professionals.

Foundations of Real-Time Computing: Scheduling and Resource Management - André M. van Tilborg 2012-12-06
This volume contains a selection of papers that focus on the state-of the-art in real-time scheduling and resource management. Preliminary versions of these papers were presented at a workshop on the foundations of real-time computing sponsored by the Office of Naval Research in October, 1990 in Washington, D.C. A companion volume by the title Foundations of Real-Time Computing: Fonnal Specifications and Methods complements this book by addressing many of the most advanced approaches currently being investigated in the arena of formal specification and verification of real-time systems. Together, these two texts provide a comprehensive snapshot of current insights into the process of designing and building real-time computing systems on a scientific basis. Many of the papers in this book take care to define the notion of real-time system precisely, because it is often easy to misunderstand what is meant by that term. Different communities of researchers variously use the term real-time to refer to either very fast computing, or immediate on-line data acquisition, or deadline-driven computing. This text is concerned with the very difficult problems of scheduling tasks and resource management in computer systems whose performance is inextricably fused with the achievement of deadlines. Such systems have been enabled for a rapidly increasing set of diverse end-uses by the unremitting advances in computing power per constant-dollar cost and per constant-unit-volume of space. End-use applications of deadline-driven real-time computers span a spectrum that includes transportation systems, robotics and manufacturing, aerospace and defense, industrial process control, and telecommunications.

Enabling Real-Time Business Intelligence - Malu Castellanos 2015-04-29
This book constitutes the thoroughly refereed conference proceedings of the 7th International Workshop on Business Intelligence for the Real-Time Enterprise, BIRTE 2013, held in Riva del Garda, Italy, in August 2013 and of the 8th International Workshop on Business Intelligence for the Real-Time Enterprise, BIRTE 2014, held in Hangzhou, China, in September 2014, in conjunction with VLDB 2013 and 2014, the International Conference on Very Large Data Bases. The BIRTE workshop series provides a forum for the discussion and advancement of the science and engineering enabling real-time business intelligence and the novel applications that build on these foundational techniques. This volume contains five full, two short, and two demo papers, which were carefully reviewed and selected with an acceptance rate of 45%. In addition, one keynote and three invited papers are included.

Encyclopedia of Information Science and Technology, Second Edition - Khosrow-Pour, Mehdi 2008-10-31
"This set of books represents a detailed compendium of authoritative, research-based entries that define the contemporary state of knowledge on technology"--Provided by publisher.

Database Systems for Advanced Applications - Hong Gao 2016-04-11
This book constitutes the workshop proceedings of the 21st International Conference on Database Systems for Advanced Applications, DASFAA 2016, held in Dallas, TX, USA, in April 2016. The volume contains 32 full papers (selected from 43 submissions) from 4 workshops, each focusing on a specific area that contributes to the main themes of DASFAA 2016: The Third International Workshop on Semantic Computing and Personalization, SeCoP 2016; the Third International Workshop on Big Data Management and Service, BDMS 2016; the First International Workshop on Big Data Quality Management, BDQM 2016; and the Second International Workshop on Mobile of Internet, MoI 2016.

Contemporary science - Grzegorz Sroślak 2016-11-08

Transaction Processing - Seppo Sippu 2015-01-27

Transactions are a concept related to the logical database as seen from the perspective of database application programmers: a transaction is a sequence of database actions that is to be executed as an atomic unit of work. The processing of transactions on databases is a well- established area with many of its foundations having already been laid in the late 1970s and early 1980s. The unique feature of this textbook is that it bridges the gap between the theory of transactions on the logical database and the implementation of the related actions on the underlying physical database. The authors relate the logical database, which is composed of a dynamically changing set of data items with unique keys, and the underlying physical database with a set of fixed-size data and index pages on disk. Their treatment of transaction processing builds on the "do-redo-undo" recovery paradigm, and all methods and algorithms presented are carefully designed to be compatible with this paradigm as well as with write-ahead logging, steal-and-no-force buffering, and fine-grained concurrency control. Chapters 1 to 6 address the basics needed to fully appreciate transaction processing on a centralized database system within the context of our transaction model, covering topics like ACID properties, database integrity, buffering, rollbacks, isolation, and the interplay of logical locks and physical latches. Chapters 7 and 8 present advanced features including deadlock-free algorithms for reading, inserting and deleting tuples, while the remaining chapters cover additional advanced topics extending on the preceding foundational chapters, including multi-granular locking, bulk actions, versioning, distributed updates, and write-intensive transactions. This book is primarily intended as a text for advanced undergraduate or graduate courses on database management in general or transaction processing in particular.

Database Systems for Next-Generation Applications - W Kim 1993-02-27
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.

SOFSEM 2004: Theory and Practice of Computer Science - SOFSEM 2004-01-14
This book constitutes the refereed proceedings of the 30th Conference on Current Trends in Theory and Practice of Computer Science, SOFSEM 2004, held in Merín, Czech Republic, in January 2004. The volume presents 10 invited lectures and 22 full papers selected from 136 submissions. Among the topics covered are computer science theory, programming theory, database systems, information systems, cognitive technologies and Web technologies.

Parallel Database Systems - PRISMA Workshop 1991-06-26
This volume presents the proceedings of a workshop on parallel database systems organized by the PRISMA (Parallel Inference and Storage Machine) project. The invited contributions by internationally recognized experts give a thorough survey of several aspects of parallel database systems. The second part of the volume gives an in-depth overview of the PRISMA system. This system is based on a parallel machine, where the individual processors each have their own local memory and communicate with each other over a packet-switched network. On this machine a parallel object-oriented programming language, POOL-X, has been implemented, which provides dedicated support for database systems as well as general facilities for parallel programming. The POOL-X system then serves as a platform for a complete relational main-memory database management system, which uses the parallelism of the machine to speed up significantly the execution of database queries. The presentation of the PRISMA system, together with the invited papers, gives a broad overview of the state of the art in parallel database systems.

Database and Expert Systems Applications - Sven Hartmann 2016-08-05
This two volume set LNCS 9827 and LNCS 9828 constitutes the refereed proceedings of the 27th International Conference on Database and Expert Systems Applications, DEXA 2016, held in Porto, Portugal, September 2016. The 39 revised full papers presented together with 29 short papers were carefully reviewed and selected from 137 submissions. The papers discuss a range of topics including: Temporal, Spatial, and High Dimensional Databases; Data Mining; Authenticity, Privacy, Security, and Trust; Data Clustering; Distributed and Big Data Processing; Decision Support Systems, and Learning; Data Streams; Data Integration, and Interoperability; Semantic Web, and Data Semantics; Social Networks, and Network Analysis; Linked Data; Data Analysis; NoSQL, NewSQL; Multimedia Data; Personal Information Management; Semantic Web and Ontologies; Database and Information System Architectures; Query Answering and Optimization; Information Retrieval, and Keyword Search; Data Modelling, and Uncertainty.

Databases, Information Systems, and Peer-to-Peer Computing - Karl Aberer 2004-01-28
This book constitutes the thoroughly refereed post-proceedings of the First International Workshop on Databases, Information Systems, and Peer-to-Peer Computing, DBISP2P 2003, held in Berlin, Germany in September 2003 as a satellite event of VLDB 2003. The 16 revised full papers presented together with the abstract of an invited contribution were carefully selected during two rounds of reviewing and improvement. The papers are organized in topical sections on structure in P2P networks, semantics and data integration, data streams and publish/subscribe, and data structures and query processing.

Business Intelligence for the Real-Time Enterprises - Christoph Bussler

2007-08-22

This book constitutes the thoroughly refereed post-proceedings of the First International Workshop on Business Intelligence for the Real-Time Enterprise, BIRTE 2006, held in Seoul, Korea in September 2006 in conjunction with VLDB 2006, the International Conference on Very Large Data Bases. The papers discuss the five major aspects of business intelligence for the real-time enterprise.

Database Systems For Advanced Applications '91 - Proceedings Of The 2nd International Symposium On Database Systems For Advanced Applications - Makinouchi Akifumi 1992-09-21

This book provides an authoritative overview of the global development of surgical paediatrics. Biographical accounts of key people who developed this relatively new specialty, many of whom are now household names, are presented. The compendium also acknowledges the enormous contribution of imaging (ultrasound/MRI and PET scans), minimal invasive surgery, and fetal surgery, as well as the role of related journals and associations, in the progress of surgical paediatrics.Many of the contributors have been instrumental to the development of surgical paediatrics in their respective countries, and have considerable worldwide influence on the management of children requiring surgical care. Through their valuable insight and first-hand experience, this book not only shines a light on the past achievements of previous generations of paediatric surgeons, but also serves as a model to encourage future generations to do likewise.

Model and Data Engineering - Yassine Ouhammou 2017-09-18

This book constitutes the refereed proceedings of the 7th International Conference on Model and Data Engineering, MEDI 2017, held in Barcelona, Spain, in October 2017. The 20 full papers and 7 short papers presented together with 2 invited talks were carefully reviewed and selected from 69 submissions. The papers are organized in topical sections on domain specific languages; systems and software assessments; modeling and formal methods; data engineering; data exploration and exp loitation; modeling heterogeneity and behavior; model-based applications; and ontology-based applications.

Proceedings 2003 VLDB Conference - VLDB 2003-12-02

Proceedings of the 29th Annual International Conference on Very Large Data Bases held in Berlin, Germany on September 9-12, 2003. Organized by the VLDB Endowment, VLDB is the premier international conference on database technology.

The Froehlich/Kent Encyclopedia of Telecommunications - Fritz E. Froehlich 2021-08-11

"The only continuing source that helps users analyze, plan, design, evaluate, and manage integrated telecommunications networks, systems, and services, The Froehlich/Kent Encyclopedia of Telecommunications presents both basic and technologically advanced knowledge in the field. An ideal reference source for both newcomers as well as seasoned specialists, the Encyclopedia covers seven key areas--Terminals and Interfaces; Transmission; Switching, Routing, and Flow Control; Networks and Network Control; Communications Software and Protocols; Network and system Management; and Components and Processes."

Advances in Data and Web Management - Guozhu Dong 2007-06-26

This book constitutes the refereed proceedings of the joint 9th Asia-Pacific Web Conference, APWeb 2007, and the 8th International Conference on Web-Age Information Management, WAIM 2007, held in Huang Shan, China, June 2007. Coverage includes data mining and knowledge discovery, P2P systems, sensor networks, spatial and temporal databases, Web mining, XML and semi-structured data, privacy and security, as well as data mining and data streams.

Scientific and Statistical Database Management - Judith Bayard Cushing 2011-07-01

This book constitutes the refereed proceedings of the 23rd International Conference on Scientific and Statistical Database Management, SSDBM 2011, held in Portland, OR, USA, in July 2011. The 26 long and 12 short papers presented together with 15 posters were carefully reviewed and selected from 80 submissions. The topics covered are ranked search; temporal data and queries; workflow and provenance; querying graphs; clustering and data mining; architectures and privacy; and applications

and models.

Context-Aware Computing - 2017-12-18
The book addresses the impact of ambient intelligence, particularly its user-centric context-awareness requirement on data management strategies and solutions. Techniques of conceptualizing, capturing, protecting, modelling, and querying context information, as well as context-aware data management application are discussed, making the book is an essential reference for computer scientists, information scientists and industrial engineers.

Database and Expert Systems Applications - Sourav S. Bhowmick 2009-08-25

This book constitutes the refereed proceedings of the 20th International Conference on Database and Expert Systems Applications, DEXA 2009, held in Linz, Austria, in August/September 2009. The 35 revised full papers and 35 short papers presented were carefully reviewed and selected from 202 submissions. The papers are organized in topical sections on XML and databases; Web, semantics and ontologies; temporal, spatial, and high dimensional databases; database and information system architecture, performance and security; query processing and optimisation; data and information integration and quality; data and information streams; data mining algorithms; data and information modelling; information retrieval and database systems; and database and information system architecture and performance.