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Location-Based Services Handbook Nov 29 2022 **Location-Based Services Handbook: Applications, Technologies, and Security** is a comprehensive reference containing all aspects of essential technical information on location-based services (LBS) technology. With broad coverage ranging from basic concepts to research-grade material, it presents a much-needed overview of technologies for positioning and localizing, including range- and proximity-based localization methods, and environment-based location estimation methods. Featuring valuable contributions from field experts around the world, this book addresses existing and future directions of LBS technology, exploring how it can be used to optimize resource allocation and improve cooperation in wireless networks. It is a self-contained, comprehensive resource that presents: A detailed description of the wireless location positioning technology used in LBS Coverage of the privacy and protection procedure for cellular networks—and its shortcomings An assessment of threats presented when location information is divulged to unauthorized parties Important IP Multimedia Subsystem and IMS-based presence service proposals The demand for navigation services is predicted to rise by a combined annual growth rate of more than 104 percent between 2008 and 2012, and many of these applications require efficient and highly scalable system architecture and system services to support dissemination of location-dependent resources and information to a large and growing number of mobile users. This book offers tools to aid in determining the optimal distance measurement system for a given situation by assessing factors including complexity, accuracy, and environment. It provides an extensive survey of existing literature and proposes a novel, widely applicable, and highly scalable architecture solution. Organized into three major sections—applications, technologies, and security—this material fully covers various location-based applications and the impact they will have on the future.

Pathology and Law Apr 30 2020 Almost all pathologists face legal issues when dealing with the specimens they work with on a day-to-day basis, whether it involves quality control and assurance in handling the specimens, facing the possibility of malpractice suits, or serving as an expert witness in a trial. Written in an easy to read, conversational tone, with a dose of good humor, this book fills the need for a handbook that discusses the full spectrum of legal issues that many pathologists face, written from a pathologist's point of view. Organized in 12 user-friendly chapters, the book begins with a comparison of Law and Medicine and explains the basics of the American Legal System. It continues with discussions of the impact of law on the practice of pathology, including such topics as specimens with potential legal implications, the controversy of saving organs for teaching, procuring and saving specimens for toxicology testing and DNA confirmation in identity testing. A must-have section on malpractice suits covers reasons why patients sue, what to do if sued, and reducing the chance of being sued. The author addresses expert witness testimony, including how to be an expert witness, conflicts of interest, conduct in a courtroom, what to say and what not to say. Quality control and assurance as it applies to the pathologist is also discussed. Legal implications for the information age, including the use of internet and e-mail with regard to patient confidentiality is discussed in detail. Case samples are scattered throughout the text to illustrate the principles discussed. Every term is defined in the glossary.

Database Systems: The Complete Book Dec 19 2021

Artificial Intelligence in Education May 31 2020 This publication covers papers presented at AIED2009, part of an ongoing series of biennial international conferences for top quality research in intelligent systems and cognitive science for educational computing applications. The conference provides opportunities for the cross-fertilization of techniques from many fields that make up this interdisciplinary research area, including: artificial intelligence, computer science, cognitive and learning sciences, education, educational technology, psychology, philosophy, sociology, anthropology, linguistics, and the many domain-specific areas for which AIED systems have been designed and evaluated. AIED2009 focuses on the theme "Building learning systems that care: from knowledge representation to affective modelling".

The key research question is how to tackle the complex issues related to building learning systems that care, ranging from representing knowledge and context to modelling social, cognitive, metacognitive, and affective dimensions. This requires multidisciplinary research that links theory and technology from artificial intelligence, cognitive science, and computer science with theory and practice from education and the social sciences.

Multidimensional Databases and Data Warehousing Feb 27 2020 The present book's subject is multidimensional data models and data modeling concepts as they are applied in real data warehouses. The book aims to present the most important concepts within this subject in a precise and understandable manner. The book's coverage of fundamental concepts includes data cubes and their elements, such as dimensions, facts, and measures and their representation in a relational setting; it includes architecture-related concepts; and it includes the querying of multidimensional databases. The book also covers advanced multidimensional concepts that are considered to be particularly important. This coverage includes advanced dimension-related concepts such as slowly changing dimensions, degenerate and junk dimensions, outriggers, parent-child hierarchies, and unbalanced, non-covering, and non-strict hierarchies. The book offers a principled overview of key implementation techniques that are particularly important to multidimensional databases, including materialized views, bitmap indices, join indices, and star join processing. The book ends with a chapter that presents the literature on which the book is based and offers further readings for those readers who wish to engage in more in-depth study of specific aspects of the book's subject. Table of Contents: Introduction / Fundamental Concepts / Advanced Concepts / Implementation Issues / Further Readings

Multimedia Database Systems Dec 27 2019 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

Multidimensional Databases: Problems and Solutions May 04 2023 **Multidimensional Databases: Problems and Solutions** strives to be the point of reference for the most important issues in the field of multidimensional databases. This book provides a brief history of the field and distinguishes between what is new in recent research and what is merely a renaming of old concepts. In addition **Multidimensional Databases: Problems and Solutions** outlines the incredible advances in technology and ever increasing demands from users in the most diverse applicative areas such as finance, medicine, statistics, business, and many more. Many of the most distinguished and well-known researchers have contributed to this book writing about their own specific field.

Database and Expert Systems Applications Jan 08 2021 **DEXA 2004**, the 15th International Conference on Database and Expert Systems Applications, was held August 30 ? September 3, 2004, at the University of Zaragoza, Spain. The quickly growing spectrum of database applications has led to the establishment of more specialized discussion platforms (DaWaK Conference, EC-Web Conference, EGOVConference, Trustbus Conference and DEXA Workshop: Every DEXA event has its own conference proceedings), which were held in parallel with the DEXA Conference also in Zaragoza. In your hands are the results of much effort. The work begins with the preparation of the submitted papers, which then go through the reviewing process. The accepted papers are revised to final versions by their authors and are then arranged within the conference program. All culminates in the conference itself. For this conference 304 papers were submitted, and I want to thank to all who contributed to it; they are the real base of the conference. The program committee and the supporting reviewers produced altogether 942 referee reports, in average 3,1 reports per paper, and selected 92 papers for presentation. At this point we would like to say many thanks to all the institutions that actively supported this conference and made it possible. These were: • University of Zaragoza • FAW • DEXA Association • Austrian Computer Society

Advances in Artificial Intelligence Research Mar 10 2021 Vols. for 1989- include papers originally presented at the Florida AI Research Symposium.

Fundamentals of Database Systems Mar 02 2023 This book combines clear explanations of theory and design, broad coverage of models and real systems, and excellent examples with up-to-date introductions to

modern database technologies. Now in its third edition, this book has been revised and updated to reflect the latest trends in technological and application development. - Introduces UML modeling and how it is used right alongside ER modeling. - Provides updated and expanded material on SQL including a new chapter, which discusses Web databases and SQL, including JDBC/ODBC. - Applies ideas from the book to a fully-developed case study that implements the data needed to design a bookstore. - Expanded coverage of important database topics like security, data warehousing, and data mining. - A new chapter featuring the relationship to XML and Internet databases keeps students on the edge of database technology. - Gives examples of real database systems. - Provides coverage of the object-oriented and object/relational approach to data management. - Includes discussion of decision support applications of data warehousing and data mining, as well as emerging technologies of web databases, multimedia, and mobile databases. - Covers a

Knowledge Management and Drivers of Innovation in Services Industries Feb 18 2022 Knowledge Management is concerned with all aspects of eliciting, acquiring, modelling, and managing knowledge. Application of knowledge resources successfully helps the organization to deliver creative products and services. Especially in service business, service job experience and information about the customer, as well as the installed site equipment, are key factors to deliver services efficiently and with high quality. In many cases supporting information is stored in different backend systems and it needs to be retrieved, aggregated, and presented on demand. Knowledge Management and Drivers of Innovation in Services Industries provides a comprehensive collection of knowledge from experts within the Information and Knowledge Management field. Outlining areas on Knowledge Management, Innovation, Information Technologies and Systems, and Services Industry, this book provides insight for academic professors, policymakers, and students alike.

Business Information Systems: Concepts, Methodologies, Tools and Applications Apr 22 2022 Business Information Systems: Concepts, Methodologies, Tools and Applications offers a complete view of current business information systems within organizations and the advancements that technology has provided to the business community. This four-volume reference uncovers how technological advancements have revolutionized financial transactions, management infrastructure, and knowledge workers.

Outsourcing and Offshoring of Professional Services: Business Optimization in a Global Economy May 24 2022 "This book discusses the considerations and implications surrounding the outsourcing and offshoring of professional services, such as software development computer-aided design, and healthcare, from multiple global perspectives. This book, offers industry professionals, policymakers, students, and educators with a balance between a broad overview and detailed analysis of offshore outsourcing, would make an invaluable addition to any reference library"--Provided by publisher.

Handbook of Mobile Systems Applications and Services Apr 03 2023 From fundamental concepts and theories to implementation protocols and cutting-edge applications, the Handbook of Mobile Systems Applications and Services supplies a complete examination of the evolution of mobile services technologies. It examines service-oriented architecture (SOA) and explains why SOA and service oriented computing (SOC) will pl

New Trends in Databases and Information Systems Jun 24 2022 This book constitutes the thoroughly refereed short papers, workshops and doctoral consortium papers of the 23rd European Conference on Advances in Databases and Information Systems, ADBIS 2019, held in Bled, Slovenia, in September 2019. The 19 short research papers and the 5 doctoral consortium papers were carefully reviewed and selected from 103 submissions, and the 31 workshop papers were selected out of 67 submitted papers. The papers are organized in the following sections: Short Papers; Workshops Papers; Doctoral Consortium Papers; and cover a wide spectrum of topics related to database and information systems technologies for advanced applications.

Collaborative, Trusted and Privacy-Aware e/m-Services Sep 15 2021 This book constitutes the refereed conference proceedings of the 12th IFIP WG 6.11 Conference on e-Business, e-Services and e-Society, I3E 2013, held in Athens, Greece, in April 2013. The 25 revised papers presented together with a keynote speech were carefully reviewed and selected from numerous submissions. They are organized in the following

topical sections: trust and privacy; security, access control and legal requirements in cloud systems; protocols, regulation and social networking; adoption issues in e/m-services; new services adoption and ecological behavior; knowledge management and business processes; and management, policies and technologies in e/m-services.

Systems, Social, and Internationalization Design Aspects of Human-computer Interaction Jun 12 2021 Please see Volume I for a full description.

Data Mining Aug 15 2021 "An overview of the multidisciplinary field of data mining, this book focuses specifically on new methodologies and case studies. Included are case studies written by 44 leading scientists and talented young scholars from seven different countries. Topics covered include data mining based on rough sets, the impact of missing data, and mining free text for structure. In addition, the four basic mining operations supported by numerous mining techniques are addressed: predictive model creation supported by supervised induction techniques; link analysis supported by association discovery and sequence discovery techniques; DB segmentation supported by clustering techniques; and deviation detection supported by statistical techniques."

Entity-Relationship Approach - ER '93 Oct 17 2021 This monograph is devoted to computational morphology, particularly to the construction of a two-dimensional or a three-dimensional closed object boundary through a set of points in arbitrary position. By applying techniques from computational geometry and CAGD, new results are developed in four stages of the construction process: (a) the gamma-neighborhood graph for describing the structure of a set of points; (b) an algorithm for constructing a polygonal or polyhedral boundary (based on (a)); (c) the flintstone scheme as a hierarchy for polygonal and polyhedral approximation and localization; (d) and a Bezier-triangle based scheme for the construction of a smooth piecewise cubic boundary.

Handbook of Research on Software Engineering and Productivity Technologies: Implications of Globalization Aug 03 2020 "This book provides integrated chapters on software engineering and enterprise systems focusing on parts integrating requirements engineering, software engineering, process and frameworks, productivity technologies, and enterprise systems"--Provided by publisher.

A HEAT TRANSFER TEXTBOOK Jul 02 2020

Information and Process Integration in Enterprises Nov 17 2021 **Information and Process Integration in Enterprises: Rethinking Documents** is a bold attempt to address information and process integration issues as a single body of research and practice. This book has identified the concept of documents as a common thread linking the integration issues. Documents, after all, are representations of information, along with representations of the usage of the information contained therein. Rethinking the role of documents is therefore central to (re)engineering enterprises in the context of information and process integration. The chapters of this book are based on papers presented at the 'International Working Conference on Information and Process Integration in Enterprises (IPIC '96)', held at MIT on November 14 and 15, 1996. The chapters cover a range of issues: from the future role of documents in enterprise integration, to emerging models of business processes and information use, to practical experiences in implementing new processes and technologies in real work environments. **Information and Process Integration in Enterprises: Rethinking Documents** is suitable as a secondary text for a graduate level course on information technology.

Database Systems May 12 2021 This text includes material on distributed databases, object-oriented databases, data mining, data warehouses, multimedia databases and the Internet and provides a strong foundation in good design practice.

Regulatory Restructuring Feb 06 2021

Handbook of Research on Emerging Rule-Based Languages and Technologies: Open Solutions and Approaches Aug 27 2022 "This book provides a comprehensive collection of state-of-the-art advancements in rule languages"--Provided by publisher.

Handbook of Research on Modern Cryptographic Solutions for Computer and Cyber Security Sep 27 2022 Internet usage has become a facet of everyday life, especially as more technological advances have made it easier to connect to the web from virtually anywhere in the developed world. However, with this increased

usage comes heightened threats to security within digital environments. **The Handbook of Research on Modern Cryptographic Solutions for Computer and Cyber Security** identifies emergent research and techniques being utilized in the field of cryptology and cyber threat prevention. Featuring theoretical perspectives, best practices, and future research directions, this handbook of research is a vital resource for professionals, researchers, faculty members, scientists, graduate students, scholars, and software developers interested in threat identification and prevention.

Semantic Technologies for E-Government Apr 10 2021 E-government faces huge challenges in achieving interoperability and integration, taking into account differences in laws, regulations, services, administrative processes and languages across regions and countries. On the other hand, issues like service, data and process integration have been researched by the Semantic Web community for several years now, and in the last two to three years we have witnessed the first applications of semantic technologies in real, operational e-government systems in both Europe and the US which address exactly these challenges. With this book, the editors present the latest research results on how to use semantic technologies in order to improve or even revolutionize the use of ICT in public administration systems. The contributions are organized into three parts: architectures and process integration, ontologies and interoperability, and portals and user interactions. They give a broad overview of how semantic technologies have been applied in different e-government projects funded from the European program for ICT Research and Development, and they cover a wide spectrum of semantic technologies such as development of domain and service ontologies, semantic enhancements of business process models, semantic Service-Oriented Architectures (SOAs) based on Semantic Web Services (SWS) frameworks, and ontology-based knowledge management. In this volume, researchers of Semantic Web technologies will find a wealth of challenging real-world scenarios to stimulate new fields of research, while developers of e-government systems as well as other stakeholders in public administration will appreciate the detailed presentations and discussions of numerous applications in areas such as e-government portals, personalization of Web-based public services, or integration and orchestration of public administration processes.

Database Integrity: Challenges and Solutions Dec 31 2022 Geared toward designers and professionals interested in the conceptual aspects of integrity problems in different paradigms, **Database Integrity: Challenges and Solutions** successfully addresses these and a variety of other issues.

The Role of Technology in CSCL Oct 29 2022 This book relates contemporary information and communication technologies (ICT) to their specific teaching and learning functions, including how ICT is appropriated for and by educational or learning communities. The technological "hot spots" of interest in this book include: groupware or multi-user technologies such as group archives or synchronous co-construction environments, embedded interactive technologies in the spirit of ubiquitous computing, and modeling tools based on rich representations.

Database Systems for Advanced Applications Mar 29 2020 This book constitutes the refereed proceedings of the 9th International Conference on Database Systems for Advanced Applications, DASFAA 2004, held in Jeju Island, Korea in March 2004. The 60 revised full papers and 18 revised short papers presented together with 2 invited articles were carefully reviewed and selected from 272 submissions. The papers are organized in topical sections on access methods, query processing in XML, security and integrity, query processing in temporal and spatial databases, semi-structured databases, knowledge discovery in temporal and spatial databases, XML and multimedia and knowledge discovery on the Web, query processing and optimization, classification and clustering, Web search, mobile databases, parallel and distributed databases, and multimedia databases.

Processing and Managing Complex Data for Decision Support Mar 22 2022 "This book provides an overall view of the emerging field of complex data processing, highlighting the similarities between the different data, issues and approaches"--Provided by publisher.

Database Management System Nov 05 2020 Easy-to-read writing style. Comprehensive coverage of all database topics. Bullet lists and tables. More detailed examples of database implementations. More SQL, including significant information on planned revisions to the language. Simple and easy explanation to

complex topics like relational algebra, relational calculus, query processing and optimization. Covers topics on implementation issues like security, integrity, transaction management, concurrency control, backup and recovery etc. Latest advances in database technology.

Fundamentals of Database Systems Jul 14 2021

Fundamentals of Database Systems Dec 07 2020 This edition contains clear explanations of theory & design, broad coverage of models & real systems, & an up-to-date introduction to modern database technologies resulting in a leading introduction to database systems

The Impact of the 4th Industrial Revolution on Engineering Education Jan 26 2020 This book gathers papers presented at the 22nd International Conference on Interactive Collaborative Learning (ICL2019), which was held in Bangkok, Thailand, from 25 to 27 September 2019. Covering various fields of e-learning and distance learning, course and curriculum development, knowledge management and learning, real-world learning experiences, evaluation and outcomes assessment, computer-aided language learning, vocational education development and technical teacher training, the contributions focus on innovative ways in which higher education can respond to the real-world challenges related to the current transformation in the development of education. Since it was established, in 1998, the ICL conference has been devoted to new approaches in learning with a focus on collaborative learning. Today, it is a forum for sharing trends and research findings as well as presenting practical experiences in learning and engineering pedagogy. The book appeals to policymakers, academics, educators, researchers in pedagogy and learning theory, school teachers, and other professionals in the learning industry, and further and continuing education.

Database Systems for Advanced Applications Oct 05 2020 This two volume set LNCS 9642 and LNCS 9643 constitutes the refereed proceedings of the 21st International Conference on Database Systems for Advanced Applications, DASFAA 2016, held in Dallas, TX, USA, in April 2016. The 61 full papers presented were carefully reviewed and selected from a total of 183 submissions. The papers cover the following topics: crowdsourcing, data quality, entity identification, data mining and machine learning, recommendation, semantics computing and knowledge base, textual data, social networks, complex queries, similarity computing, graph databases, and miscellaneous, advanced applications.

The Adventurous and Practical Journey to a Large-Scale Enterprise Solution Jan 20 2022 The high failure rate of enterprise resource planning (ERP) projects is a pressing concern for both academic researchers and industrial practitioners. The challenges of an ERP implementation are particularly high when the project involves designing and developing a system from scratch. Organizations often turn to vendors and consultants for handling such projects but, every aspect of an ERP project is opaque for both customers and vendors. Unlocking the mysteries of building a large-scale ERP system, *The Adventurous and Practical Journey to a Large-Scale Enterprise Solution* tells the story of implementing an applied enterprise solution. The book covers the field of enterprise resource planning by examining state-of-the-art concepts in software project management methodology, design and development integration policy, and deployment framework, including: A hybrid project management methodology using waterfall as well as a customized Scrum-based approach A novel multi-tiered software architecture featuring an enhanced flowable process engine A unique platform for coding business processes efficiently Integration to embed ERP modules in physical devices A heuristic-based framework to successfully step into the Go-live period Written to help ERP project professionals, the book charts the path that they should travel from project ideation to systems implementation. It presents a detailed, real-life case study of implementing a large-scale ERP and uses storytelling to demonstrate incorrect and correct decisions frequently made by vendors and customers. Filled with practical lessons learned, the book explains the ins and outs of adopting project methodologies. It weaves a tale that features both real-world and scholarly aspects of an ERP implementation.

Mobile Web Information Systems Jul 26 2022 This book constitutes the refereed proceedings of the 10 th International Conference on Mobile Web Information Systems, MobiWIS 2013, held in Paphos, Cyprus, in August 2013. The 25 papers (20 full research papers, 4 demonstration papers, and one abstract of the keynote speech) presented were carefully reviewed and selected from various submissions. The papers

cover the following topics related to mobile Web and Information Systems (WISs), such as mobile Web services, location-awareness, design and development, social computing and society, development infrastructures and services, SOA and trust, UI migration and human factors, and Web of Things and networks.

Database Management Systems Sep 03 2020 Database Management Systems provides comprehensive and up-to-date coverage of the fundamentals of database systems. Coherent explanations and practical examples have made this one of the leading texts in the field. The third edition continues in this tradition, enhancing it with more practical material. The new edition has been reorganized to allow more flexibility in the way the course is taught. Now, instructors can easily choose whether they would like to teach a course which emphasizes database application development or a course that emphasizes database systems issues. New overview chapters at the beginning of parts make it possible to skip other chapters in the part if you don't want the detail. More applications and examples have been added throughout the book, including SQL and Oracle examples. The applied flavor is further enhanced by the two new database applications chapters.

Evolving Application Domains of Data Warehousing and Mining: Trends and Solutions Feb 01 2023 "This book provides insight into the latest findings concerning data warehousing, data mining, and their applications in everyday human activities"--Provided by publisher.

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