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McGraw-Hill Education

Database System Concepts by Silberschatz, Korth and Sudarshan is now in its 6th edition and is one of the cornerstone texts of database education. It presents the fundamental concepts of database management in an intuitive manner geared toward allowing students to begin working with databases as quickly as possible. The text is designed for a first course in databases at the junior/senior undergraduate level or the first year graduate level. It also contains additional material that can be used as supplements or as introductory material for an advanced course. Because the authors present concepts as intuitive descriptions, a familiarity with basic data structures, computer organization, and a high-level programming language are the only prerequisites. Important theoretical results are covered, but formal proofs are omitted. In place of proofs, figures and examples are used to suggest why a result is true.

Collaborative, Trusted and Privacy-Aware e/m-Services McGraw-Hill College

This book describes the theory, algorithms, and practical implementation techniques behind transaction processing in information technology systems.

Outsourcing and Offshoring of Professional Services: Business Optimization in a Global Economy Apres

Change Management for Semantic Web Services provides a thorough analysis of change management in the lifecycle of services for databases and workflows, including changes that occur at the individual service level or at the aggregate composed service level. This book describes taxonomy of changes that are expected in semantic service oriented environments. The process of change management consists of detecting, propagating, and reacting to changes. Change Management for Semantic Web Services is one of the first books that discuss the development of a theoretical foundation for managing changes in atomic and long-term composed services. This book also proposes a formal model and a change language to provide sufficient semantics for change management; it devises an automatic process to react to, verify, and optimize changes. Case studies and examples are presented in the last section of this book.

Location-Based Services Handbook Pearson Higher Ed

Metadata standards in today's ICT sector are proliferating at unprecedented levels, while automated information management systems collect and process exponentially increasing quantities of data. With interoperability and knowledge exchange identified as a core challenge in the sector, this book examines the role ontology engineering can play in providing solutions to the problems of information interoperability and linked data. At the same time as introducing basic concepts of ontology engineering, the book discusses methodological approaches to formal representation of data and information models, thus facilitating information interoperability between heterogeneous, complex and distributed communication systems. In doing so, the text advocates the advantages of using ontology engineering in telecommunications systems. In addition, it offers a wealth of guidance and best-practice techniques for instances in which ontology engineering is applied in cloud services, computer networks and management systems. Engineering and computer science professionals (infrastructure architects, software developers, service designers, infrastructure operators, engineers, etc.) are today confronted as never before with the challenge of convergence in software solutions and technology. This book will help them respond creatively to what is sure to be a period of rapid development. Managing IT in Construction/Managing Construction for Tomorrow Springer Science & Business Media Elmasri, Levine, and Carrick's "spiral approach" to teaching operating systems develops student understanding of various OS components early on and

helps students approach the more difficult aspects of operating systems with confidence. While operating systems have changed dramatically over the years, most OS books use a linear approach that covers each individual OS component in depth, which is difficult for students to follow and requires instructors to constantly put materials in context. Elmasri, Levine, and Carrick do things differently by following an integrative or "spiral" approach to explaining operating systems. The spiral approach alleviates the need for an instructor to "jump ahead" when explaining processes by helping students "completely" understand a simple, working, functional system as a whole in the very beginning. This is more effective pedagogically, and it inspires students to continue exploring more advanced concepts with confidence.

Database Principles South Western Educational Publishing

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.

Principles of Distributed Database Systems IGI Global

The Springer Handbook for Computational Intelligence is the first book covering the basics, the state-of-the-art and important applications of the dynamic and rapidly expanding discipline of computational intelligence. This comprehensive handbook makes readers familiar with a broad spectrum of approaches to solve various problems in science and technology. Possible approaches include, for example, those being inspired by biology, living organisms and animate systems. Content is organized in seven parts: foundations; fuzzy logic; rough sets; evolutionary computation; neural networks; swarm intelligence and hybrid computational intelligence systems. Each Part is supervised by its own Part Editor(s) so that high-quality content as well as completeness are assured.

Principles of Database Management Addison-Wesley Introductory, theory-practice balanced text teaching the fundamentals of databases to advanced undergraduates or graduate students in information systems or computer science.

A Pragmatic Approach Morgan Kaufmann Fundamentals of Database Systems Addison-Wesley Applied Ontology Engineering in Cloud Services, Networks and Management Systems World Scientific

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Database Systems: The Complete Book is ideal for Database Systems and Database Design and Application courses offered at the junior, senior and graduate levels in Computer Science departments. A basic understanding of algebraic expressions and laws, logic, basic data structure, OOP concepts, and programming environments is implied. Written by well-known computer scientists, this introduction to database systems offers a comprehensive approach, focusing on database design, database use, and implementation of database applications and database management systems. The first half of the book provides in-depth coverage of databases from the point of view of the database designer, user, and application programmer. It covers the latest database standards SQL:1999, SQL/PSM, SQL/CLI, JDBC, ODL, and XML, with broader coverage of SQL than most other texts. The second half of the book provides in-depth coverage of databases from the point of view of the DBMS implementor. It focuses on storage structures, query processing, and transaction management. The book covers the main techniques in these areas with broader coverage of query optimization than most other texts, along with advanced topics including multidimensional and bitmap indexes, distributed transactions, and information integration techniques.

Location-Based Services CRC Press

This book provides rigorous foundations of applying modern computational mechanics to earthquake engineering. The scope covers the numerical analysis of earthquake wave propagation processes

and the faulting processes, and also presents the most advanced numerical simulations of earthquake hazards and disasters that can take place in an urban area. Two new chapters included are advanced topics on high performance computing and for constructing an analysis model. This is the first book in earthquake engineering that explains the application of modern numerical computation (which includes high performance computing) to various engineering seismology problems.

Challenges and Solutions IGI Global

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 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.

Fundamental of Database Management System Springer

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 Probability and Statistics for Computer Scientists Springer Science & Business Media Provides in-depth coverage of databases from the point of view of the database designer, user, and application programmer, leaving implementation for later courses. It covers the latest database standards: SQL: 1999, SQL/PSM, SQL/CLI, JDBC, ODL, and XML. Entity-Relationship Approach - ER '93 Springer Science & Business Media Clear explanations of theory and design, broad coverage of

models and real systems, and an up-to-date introduction to modern database technologies result in a leading introduction to database systems. Intended for computer science majors, this text emphasizes math models, design issues, relational algebra, and relational calculus. A lab manual and problems give students opportunities to practice the fundamentals of design and implementation. Real-world examples serve as engaging, practical illustrations of database concepts. The Sixth Edition maintains its coverage of the most popular database topics, including SQL, security, and data mining, and features increased emphasis on XML and semi-structured data.

20th IFIP/IEEE International Workshop on Distributed Systems: Operations and Management, DSOM 2009, Venice, Italy, October 27-28, 2009, Proceedings BPB Publications

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.

Database Management Systems CRC Press

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.

Fundamentals of Database Systems: Pearson New International Edition Elsevier

"This book covers the principles of both wired and wireless communications of voice, data, images, and video and the impact of their business values on the organizations in which they are used"--Provided by publisher.

Database Systems: A Practical Approach to Design, Implementation and Management with Corporate Computer and Network Security: (International Edition) and Making the Team (International Edition) with Success in Your Project IGI Global

The dual goal of the "Handbook in Information Systems" is to provide a reference for the diversity of research in the field by scholars from many disciplines, as well as to stimulate new research.

This volume, focusing on Information Assurance, Security and Privacy Services, consists of six sections. In the first part contributors discuss Program Security, Data Security and Authentication, while the second section covers Internet Scourges and Web Security. Parts two and three concentrate on Usable Security and Human-Centric Aspects, along with Security, Privacy and Access Control whereas the final sections of the book examine Economic Aspects of Security, and Threat Modeling, Intrusion and Response.

Learn essential concepts of database systems World Scientific

Practical and easy to understand Database Principles: Fundamentals of Design, Implementation, and Management, 10/e, International Edition gives readers a solid foundation in database design and implementation. Filled with visual aids such as diagrams, illustrations, and tables, this market-leading book provides in-depth coverage of database design, demonstrating that the key to successful database implementation is in proper design of databases to fit within a larger strategic view of the data environment. Renowned for its clear, straightforward writing style, the tenth edition has been thoroughly updated to include hot topics such as green computing/sustainability for modern data centers, the role of redundant relationships, and examples of web-database connectivity and code security. In addition, new review questions, problem sets, and cases have been added throughout the book so that readers have multiple opportunities to test their understanding and develop real and useful design skills.