

Fundamentals Of Database Systems 6th Edition Solutions Manual

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Essentials of Database Management Jeffrey A. Hoffer 2013-06-17 Readers who want an up-to-date overview of database development and management. Focusing on the topics that leading database practitioners say are most important, Essentials of Database Management presents a concise overview designed to ensure practical success for database professionals. Built upon the strong foundation of Modern Database Management, currently in its eleventh edition, the new Essentials of Database Management is ideal for a less-detailed approach. Like its comprehensive counterpart, it guides readers into the future by presenting research that could reveal the "next big thing" in database management. And it features up-to-date coverage in the areas undergoing rapid change due to improved managerial practices, database design tools and methodologies, and database technology.

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.

Managing Manufacturing Knowledge in Europe in the Era of Industry 4.0 Justyna Patalas-Maliszewska 2022-07-07 Manufacturing companies need to adapt to the requirements of functioning in the era of Industry 4.0 and major technological disruptions. The use of knowledge-based decision support tools has also become necessary in order for enterprises to survive in a competitive environment. This book offers a new approach to designing the knowledge management process and integrating it with the implementation of Industry 4.0 technology. The book presents the methods used in a customer-oriented organization under the Management of Manufacturing Knowledge (M-Know Process). More specifically, methods for defining and collecting customer requirements are presented and methods on how to receive manufacturing knowledge, as well as how to formalise the acquired knowledge using key technologies of Industry 4.0, are discussed. The author also presents real case studies from western and central Europe and offers recommendations for the production manager. The instrumentation of methods and tools to support knowledge management, in the production of individualised products presented therein, will allow the manufacturing company to be transformed digitally, into a customer-oriented organisation operating in accordance with the assumptions of Industry 4.0. This book will be a valuable read for production researchers, academicians, PhD students and postgraduate level students of industrial engineering and industrial management. The practical case studies will also make the book a useful resource for managers of manufacturing enterprises.

Human Centered Design Masaaki Kurosu 2011-06-24 This volume constitutes the refereed proceedings of the Second International Conference on Human Centered Design, HCD 2011, held as Part of HCI International 2011, in Orlando, FL, USA, in July 2011, jointly with 9 other thematically similar conferences. The 66 revised papers presented were carefully reviewed and selected from numerous submissions. The papers are organized in topical parts on human centered design methods and tools, mobile and ubiquitous interaction, human centered design in health and rehabilitation, human centered design in work, business and education, and applications of human centered design.

Database System Concepts Abraham Silberschatz 2011 Presents the fundamental concepts of database management. This text is suitable for a first course in databases at the junior/senior undergraduate level or the first year graduate level.

Advanced Information Systems Engineering Workshops John Krogstie 2016-06-06 This book constitutes the thoroughly refereed proceedings of five international workshops held in Ljubljana, Slovenia, in conjunction with the 28th International Conference on Advanced Information Systems Engineering, CAiSE 2016, in June 2016. The 16 full and 9 short papers were carefully selected from 51 submissions. The associated workshops were the Third International Workshop on Advances in Services Design based on the Notion of Capabilities (ASDENCA) co-arranged with the First International Workshop on Business Model Dynamics and Information Systems Engineering (BumDISE), the Fourth International Workshop on Cognitive Aspects of Information Systems Engineering (COGNISE), the First International Workshop on Energy-awareness and Big Data Management in Information Systems (EnBIS), the Second International Workshop on Enterprise Modeling (EM), and the Sixth International Workshop on Information Systems Security Engineering (WISSE).

The Impact of the 4th Industrial Revolution on Engineering Education Michael E. Auer 2020-03-17 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 Thomas Connolly 2014-01-08 Database Systems is ideal for a one- or two-term course in database management or database design in an undergraduate or graduate level course. With its comprehensive coverage, this book can also be used as a reference for IT professionals. This best-selling text introduces the theory behind databases in a concise yet comprehensive manner, providing database design methodology that can be used by both technical and non-technical readers. The methodology for relational Database Management Systems is presented in simple, step-by-step instructions in conjunction with a realistic worked example using three explicit phases—conceptual, logical, and physical database design. Teaching and Learning Experience This program presents a better teaching and learning experience—for you and your students. It provides: Database Design Methodology that can be Used by Both Technical and Non-technical Readers A Comprehensive Introduction to the Theory behind Databases A Clear Presentation that Supports

Learning

Database Integrity: Challenges and Solutions Doorn, Jorge Horacio 2001-07-01 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.

Multi-Agent Systems and Agreement Technologies Michael Rovatsos 2016-04-16 This book constitutes the revised selected papers from the 13 European Conference on Multi-Agent Systems, EUMAS 2015, and the Third International Conference on Agreement Technologies, AT 2015, held in Athens, Greece, in December 2015. The 36 papers presented in this volume were carefully reviewed and selected from 65 submissions. They are organized in topical sections named: coordination and planning; learning and optimization, argumentation and negotiation; norms, trust, and reputation; agent-based simulation and agent programming.

Financial Management for Public, Health, and Not-for-profit Organizations Steven A. Finkler 2005 One of the few books that addresses financial and managerial accounting within the three major areas of the public sector--government, health, and not-for-profit--the Second Edition provides the fundamentals of financial management for those pursuing careers within these fields. KEY TOPICS: " With a unique presentation that explains the rules specific to the public sector, this book outlines the framework for readers to access and apply financial information more effectively. Employing an engaging and user-friendly approach, this book clearly defines essential vocabulary, concepts, methods, and basic tools of financial management and financial analysis that are imperative to achieving success in the field. This book is intended for financial managers and general managers who are required to obtain, understand, and use accounting information to improve the financial results of their organizations, specifically within the areas of government or public policy and management, not-for-profit management, and health policy and management.

Modern Database Management Fred R. McFadden 1999 The fifth edition of Modern Database Management has been updated to reflect the most current database content available. It provides sound, clear, and current coverage of the concepts, skills, and issues needed to cope with an expanding organisational resource. While sufficient technical detail is provided, the emphasis remains on management and implementation issues pertinent in a business information systems curriculum.

Fundamentals of Database Systems Ramez Elmasri 2004 This is a revision of the market leading book for providing the fundamental concepts of database management systems. - Clear explanation of theory and design topics- Broad coverage of models and real systems- Excellent examples with up-to-date introduction to modern technologies- Revised to include more SQL, more UML, and XML and the Internet

Evolving Application Domains of Data Warehousing and Mining: Trends and Solutions Furtado, Pedro Nuno San-Banto 2009-09-30 "This book provides insight into the latest findings concerning data warehousing, data mining, and their applications in everyday human activities"--Provided by publisher.

An Introduction to Database Systems C. J. Date 2000 For over 25 years, C. J. Date's An Introduction to Database Systems has been the authoritative resource for readers interested in gaining insight into and understanding of the principles of database systems. This exciting revision continues to provide a solid grounding in the foundations of database technology and to provide some ideas as to how the field is likely to develop in the future. The material is organized into six major parts. Part I provides a broad introduction to the concepts of database systems in general and relational systems in particular. Part II consists of a careful description of the relational model, which is the theoretical foundation for the database field as a whole. Part III discusses the general theory of database design. Part IV is concerned with transaction management. Part V shows how relational concepts are relevant to a variety of further aspects of database technology--security, distributed databases, temporal data, decision support, and so on. Finally, Part VI describes the impact of object technology on database systems. This Seventh Edition of An Introduction to Database Systems features widely rewritten material to improve and amplify treatment o

Fundamentals of Database Systems, Global Edition Ramez Elmasri 2016-08-19 For database systems courses in Computer Science This book introduces the fundamental concepts necessary for designing, using, and implementing database systems and database applications. Our presentation stresses the fundamentals of database modeling and design, the languages and models provided by the database management systems, and database system implementation techniques. The book is meant to be used as a textbook for a one- or two-semester course in database systems at the junior, senior, or graduate level, and as a reference book. The goal is to provide an in-depth and up-to-date presentation of the most important aspects of database systems and applications, and related technologies. It is assumed that readers are familiar with elementary programming and data-structuring concepts and that they have had some exposure to the basics of computer organization.

Fundamentals of Machine Learning for Predictive Data Analytics, second edition John D. Kelleher 2020-10-20 The second edition of a comprehensive introduction to machine learning approaches used in predictive data analytics, covering both theory and practice. Machine learning is often used to build predictive models by extracting patterns from large datasets. These models are used in predictive data analytics applications including price prediction, risk assessment, predicting customer behavior, and document classification. This introductory textbook offers a detailed and focused treatment of the most important machine learning approaches used in predictive data analytics, covering both theoretical concepts and practical applications. Technical and mathematical material is augmented with explanatory worked examples, and case studies illustrate the application of these models in the broader business context. This second edition covers recent developments in machine learning, especially in a new chapter on deep learning, and two new chapters that go beyond predictive analytics to cover unsupervised learning and reinforcement learning.

Database Modeling and Design Toby J. Teorey 2011-02-10 Database Modeling and Design, Fifth Edition, focuses on techniques for database design in relational database systems. This extensively revised fifth edition features clear explanations, lots of terrific examples and an illustrative case, and practical advice, with design rules that are applicable to any SQL-based system. The common examples are based on real-life experiences and have been thoroughly class-tested. This book is immediately useful to anyone tasked with the creation of data models for the integration of large-scale enterprise data. It is ideal for a stand-alone data management course focused on logical database design, or a supplement to an introductory text for introductory database management. In-depth detail and plenty of real-world, practical examples throughout Loaded with design rules and illustrative case studies that are applicable to any SQL, UML, or XML-based system Immediately useful to anyone tasked with the creation of data models for the integration of large-scale enterprise data.

Database System Concepts Henry F. Korth 2019-02-19 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.

Beginning Database Design Solutions Rod Stephens 2010-12-30 The vast majority of software applications use relational databases that virtually every application developer must work with. This book introduces you to database design, whether you're a DBA or database developer. You'll discover what databases are, their goals, and why proper design is necessary to achieve those goals. Additionally,

you'll master how to structure the database so it gives good performance while minimizing the chance for error. You will learn how to decide what should be in a database to meet the application's requirements.

Data Warehouse Systems Alejandro Vaisman 2014-09-10 With this textbook, Vaisman and Zimányi deliver excellent coverage of data warehousing and business intelligence technologies ranging from the most basic principles to recent findings and applications. To this end, their work is structured into three parts. Part I describes "Fundamental Concepts" including multi-dimensional models; conceptual and logical data warehouse design and MDX and SQL/OLAP. Subsequently, Part II details "Implementation and Deployment," which includes physical data warehouse design; data extraction, transformation, and loading (ETL) and data analytics. Lastly, Part III covers "Advanced Topics" such as spatial data warehouses; trajectory data warehouses; semantic technologies in data warehouses and novel technologies like Map Reduce, column-store databases and in-memory databases. As a key characteristic of the book, most of the topics are presented and illustrated using application tools. Specifically, a case study based on the well-known Northwind database illustrates how the concepts presented in the book can be implemented using Microsoft Analysis Services and Pentaho Business Analytics. All chapters are summarized using review questions and exercises to support comprehensive student learning. Supplemental material to assist instructors using this book as a course text is available at <http://cs.ulb.ac.be/DWSDIbook/>, including electronic versions of the figures, solutions to all exercises, and a set of slides accompanying each chapter. Overall, students, practitioners and researchers alike will find this book the most comprehensive reference work on data warehouses, with key topics described in a clear and educational style.

Fundamentals of Information Systems Ralph Stair 2015-01-02 Combining the latest research and most current coverage available into a succinct nine chapters, FUNDAMENTALS OF INFORMATION SYSTEMS, 8E equips students with a solid understanding of the core principles of IS and how it is practiced. The streamlined 560-page eighth edition features a wealth of new examples, figures, references, and cases as it covers the latest developments from the field--and highlights their impact on the rapidly changing role of today's IS professional. In addition to a stronger career emphasis, the text includes expanded coverage of mobile solutions, energy and environmental concerns, the increased use of cloud computing across the globe, and two cases per chapter. Learning firsthand how information systems can increase profits and reduce costs, students explore new information on e-commerce and enterprise systems, artificial intelligence, virtual reality, green computing, and other issues reshaping the industry. The text introduces the challenges and risks of computer crimes, hacking, and cyberterrorism. It also presents some of the most current research on virtual communities, global IS work solutions, and social networking. No matter where students' career paths may lead, FUNDAMENTALS OF INFORMATION SYSTEMS, 8E and its resources can help them maximize their success as employees, decision makers, and business leaders. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Database Systems Hector Garcia-Molina 2011-11-21 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.

C++ Plus Data Structures Nell B. Dale 2003 Computer Science

Fundamentals of Database Systems Ramez Elmasri 2007 This edition combines clear explanations of database theory and design with up-to-date coverage of models and real systems. It features excellent examples and access to Addison Wesley's database Web site that includes further teaching, tutorials and many useful student resources.

What Can I Do Now Ferguson 2009-01-01

Database Systems: The Complete Book Jeff Ullman 2006-01-01

Data Mining: Concepts and Techniques Jiawei Han 2011-06-09 Data Mining: Concepts and Techniques provides the concepts and techniques in processing gathered data or information, which will be used in various applications. Specifically, it explains data mining and the tools used in discovering knowledge from the collected data. This book is referred as the knowledge discovery from data (KDD). It focuses on the feasibility, usefulness, effectiveness, and scalability of techniques of large data sets. After describing data mining, this edition explains the methods of knowing, preprocessing, processing, and warehousing data. It then presents information about data warehouses, online analytical processing (OLAP), and data cube technology. Then, the methods involved in mining frequent patterns, associations, and correlations for large data sets are described. The book details the methods for data classification and introduces the concepts and methods for data clustering. The remaining chapters discuss the outlier detection and the trends, applications, and research frontiers in data mining. This book is intended for Computer Science students, application developers, business professionals, and researchers who seek information on data mining. Presents dozens of algorithms and implementation examples, all in pseudo-code and suitable for use in real-world, large-scale data mining projects Addresses advanced topics such as mining object-relational databases, spatial databases, multimedia databases, time-series databases, text databases, the World Wide Web, and applications in several fields Provides a comprehensive, practical look at the concepts and techniques you need to get the most out of your data

Database Systems Thomas M. Connolly 2005 This book places a strong emphasis on good design practice, allowing readers to master design methodology in an accessible, step-by-step fashion. In this book, database design methodology is explicitly divided into three phases: conceptual, logical, and physical. Each phase is described in a separate chapter with an example of the methodology working in practice. Extensive treatment of the Web as an emerging platform for database applications is covered alongside many code samples for accessing databases from the Web including JDBC, SQLJ, ASP, ISP, and Oracle's PSP. A thorough update of later chapters covering object-oriented databases, Web databases, XML, data warehousing, data mining is included in this new edition. A clear introduction to design implementation and management issues, as well as an extensive treatment of database languages and standards, make this book an indispensable, complete reference for database professionals.

Database Management Systems Raghu Ramakrishnan 2000 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.

GIS Fundamentals Paul Bolstad 2005

E-Business and Distributed Systems Handbook Amjad Umar 2003 This module of the handbook concentrates on solution architectures through components. Topics include the role of component-based web application architectures, architecture patterns, enterprise data architectures, implementation examples using XML Web Services, Sun's J2EE, and Microsoft's .NET.

Encyclopedia of Information Science and Technology, First Edition Khosrow-Pour, D.B.A., Mehdi 2005-01-31 Comprehensive coverage of critical issues related to information science and technology.

Handbook of Research on Innovations in Systems and Software Engineering Díaz, Vicente García 2014-08-31 Professionals in the interdisciplinary field of computer science focus on the design, operation, and maintenance of computational systems and software. Methodologies and tools of engineering are utilized alongside the technological advancements of computer applications to develop efficient and precise databases of information. The Handbook of Research on Innovations in Systems and Software Engineering combines relevant research from all facets of computer programming to provide a comprehensive look at the challenges and changes in the field. With information spanning topics such as design models, cloud computing, and security, this handbook is an essential reference source for academicians, researchers, practitioners, and students interested in the development and design of improved and effective technologies.

On the Move to Meaningful Internet Systems: OTM 2013 Workshops Yan Tang Demey 2013-09-25 This volume constitutes the refereed proceedings of the international workshops, Confederated International Workshops: OTM Academy, OTM Industry Case Studies Program, ACM, EI2N, ISDE, META4eS, ORM, SeDeS, SINCOM, SMS and SOMOCO 2013, held as part of OTM 2013 in Graz, Austria, in September 2013. The 75 revised full papers presented together with 12 posters and 5 keynotes were carefully reviewed and selected from a total of 131 submissions. The papers are organized in topical sections on: On The Move Academy; Industry Case Studies Program; Adaptive Case Management and other non-workflow approaches to BPM; Enterprise Integration, Interoperability and Networking; Information Systems in Distributed Environment; Methods, Evaluation, Tools and Applications for the Creation and Consumption of Structured Data for the e-Society; Fact-Oriented Modeling; Semantics and Decision Making; Social Media Semantics; Social and Mobile Computing for collaborative environments; cooperative information systems; Ontologies, Data Bases and Applications of Semantics.

Database Systems Elvis Foster 2014-12-24 Database Systems: A Pragmatic Approach is a classroom textbook for use by students who are learning about relational databases, and the professors who teach them. It discusses the database as an essential component of a software system, as well as a valuable, mission critical corporate resource. The book is based on lecture notes that have been tested and proven over several years, with outstanding results. It also exemplifies mastery of the technique of combining and balancing theory with practice, to give students their best chance at success. Upholding his aim for brevity, comprehensive coverage, and relevance, author Elvis C. Foster's practical and methodical discussion style gets straight to the salient issues, and avoids unnecessary fluff as well as an overkill of theoretical calculations. The book discusses concepts, principles, design, implementation, and management issues of databases. Each chapter is organized systematically into brief, reader-friendly sections, with itemization of the important points to be remembered. It adopts a methodical and pragmatic approach to solving database systems problems. Diagrams and illustrations also sum up the salient points to enhance learning. Additionally, the book includes a number of Foster's original methodologies that add clarity and creativity to the database modeling and design experience while making a novel contribution to the discipline. Everything combines to make Database Systems: A Pragmatic Approach an excellent textbook for students, and an excellent resource on theory for the practitioner.

Access 2007 Pure SQL Pindar E. Demertzoglou, Ph.d. 2009-06-30 This book provides the database professional and power user with working solutions for daily business tasks. The goal has been to reduce needless writing and concentrate on the daily needs of database usage and development. An efficient database professional does not need a book to tell him or her how to execute a query or how many types of queries Access 2007 supports; the answers are a click away in the help file or online. What power users and developers need is thought-out solutions to show them the way to achieve their difficult tasks without having to look around for hours, days, or sometimes weeks. In addition, they need a book to show them when something is possible, when it is not, how many ways exist to achieve a task, and which one is the most efficient. Furthermore, the table of contents is not arranged by topic (tables, queries, reports, etc) but by solution. The content of the book should be practical and the layout should help the professional find what he or she needs in seconds. Learn how to use your databases for real business tasksPindar has worked on hundreds of business databases and operational systems for the last 18 years. In this book, he provides actual scenarios and code you can use in your daily business situations. Actually, you will get many ideas of how to employ Access 2007 to get data in ways you were not aware it was possible. Some examples, especially in the beginning of each chapter are quite simple so that readers with less Access experience can follow and learn but they are definitely not simplistic. Leave superfluous theory on the side and focus on the essence of your operations You might be taught a thousand pieces of theory and politically correct techniques on databases. In the end, what you will need is a way to accomplish your task. This book will show you exactly the concepts you should learn and expand on them in detail. Theory is present but only to support a practical technique; not for the sake of it. Concentrate on holistic solutions and not clustered technical skills This book leaves behind the classical format of texts. Instead of providing multiple and isolated concepts, it combines the necessary techniques to arrive to a real world solution. For example, instead of just showing what a date function is, it demonstrates how it can be used in combination with clauses and other functions to obtain order processing cycle times or order fulfillment goals for your corporation. At the end of the day, when you read a book, you need to be able to use your knowledge to achieve a task. The business table of contentsYou will find a novelty in this book which is its business table of contents. There are two tables of contents in this book. There is the classical one to find what you need on database concepts. However, there is also a business table of contents you can consult to find the business solution you need. For example, how to conditionally update product prices from multiple suppliers and by various percentages. Use this book as a handy referenceFinally, this book has been written with the idea of using it as a reference. You might need to flip its pages to check something simple like the correct use of quotes in criteria expressions or concatenated fields. Or you might need to check something more elaborate like how to use a subquery to manipulate data in one table based on the values of another table.

Uncertainty Management in Information Systems Amihai Motro 2012-12-06 As its title suggests, "Uncertainty Management in Information Systems" is a book about how information systems can be made to manage information permeated with uncertainty. This subject is at the intersection of two areas of knowledge: information systems is an area that concentrates on the design of practical systems that can store and retrieve information; uncertainty modeling is an area in artificial intelligence concerned with accurate representation of uncertain information and with inference and decision-making under conditions infused with uncertainty. New applications of information systems require stronger capabilities in the area of uncertainty management. Our hope is that lasting interaction between these two areas would facilitate a new generation of information systems that will be capable of servicing these applications. Although there are researchers in information systems who have addressed themselves to issues of uncertainty, as well as researchers in uncertainty modeling who have considered the pragmatic demands and constraints of information systems, to a large extent there has been only limited

interaction between these two areas. As the subtitle, "From Needs to Solutions," indicates, this book presents view points of information systems experts on the needs that challenge the uncertainty capabilities of present information systems,

and it provides a forum to researchers in uncertainty modeling to describe models and systems that can address these needs.

History & Computing 1995

Journal of Object-oriented Programming 2000