

Solutions Database Systems Elmasri

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.

Are you responsible for designing and creating the databases that keep your business running? Or are you studying for a module in database design? If so, Database Solutions is for you! This fully revised and updated edition will make the database design and build process smoother, quicker and more reliable. Recipe for database success Take one RDMS Ð any of the major commercial products will do: Oracle, Informix, SQL Server, Access, Paradox Add one thorough reading of Database Solutions if you are an inexperienced database designer, or one recap of the methodology if you are an old hand Use the design and implementation frameworks to plan your timetable, use a common data model that fits your requirements and adapt as necessary

"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.

Please see Volume I for a full description.

Location-Based Services Handbook

12th IFIP WG 6.11 Conference on e-Business, e-Services, and e-Society, I3E 2013, Athens, Greece, April 25-26, 2013, Proceedings

An Entity-relationship Approach

Fundamental of Database Management System

Applications, Technologies, and Security

Designing Data-Intensive Applications

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.

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. This lean, focused text concentrates on giving students a clear understanding of database fundamentals while providing a broad survey of all the major topics of the field. The result is a text that is easily covered in one semester, and that only includes topics relevant to the database course. Mark Gillenson, an associate editor of the Journal of Database Management, has 15 years experience of working with and teaching at IBM Corp. and 15 years of teaching experience at the college level. He writes in a clear, friendly style that progresses step-by-step through all of the major database topics. Each chapter begins with a story about a real company's database application, and is packed with examples. When students finish the text, they will be able to immediately apply what they've learned in business.

For Database Systems and Database Design and Application courses offered at the junior, senior, and graduate levels in Computer Science departments. Written by well-known computer scientists, this accessible and succinct introduction to database systems focuses on database design and use. The authors provide in-depth coverage of databases from the point of view of the database designer, user, and application programmer, leaving implementation for later courses. It is the first database systems text to cover such topics as UML, algorithms for manipulating dependencies in relations, extended relational algebra, PHP, 3-tier architectures, data cubes, XML, XPATH, XQuery, XSLT. The full text downloaded to your computer With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download), available online and also via the iPad and Android apps. Upon purchase, you'll gain instant access to this eBook. Time limit The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed.

A First Course in Database Systems

Principles of Database Management

The Practical Guide to Storing, Managing and Analyzing Big and Small Data

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

Database Management Systems

15th International Conference, DEXA 2004, Zaragoza, Spain, August 30-September 3, 2004, Proceedings

The first gluten-free baking book from legendary bread maker and James Beard Award-winning author Peter Reinhart, with 80 world-class recipes suitable for wheat sensitive, diabetic, and low-carb/low-sugar dieters. The first gluten-free baking book from legendary bread maker and James Beard Award-winning author Peter Reinhart, with 80 world-class recipes suitable for wheat sensitive, diabetic, and low-carb/low-sugar dieters. Amazing, easy-to-make recipes that revolutionize baking for wheat sensitive, diabetic, and low-carb/low-sugar cooks. After more than two decades of research into gluten-free baking, bestselling author and legendary bread maker Peter Reinhart and his baking partner Denene Wallace deliver more than eighty world-class recipes for delicious breads, pastries, cookies, cakes, and more in *The Joy of Gluten-Free, Sugar-Free Baking*. Carefully crafted for anyone who is gluten sensitive, diabetic, or needs to reduce carbs to prevent illness or lose weight, these forgiving recipes taste just as good as the original wheat versions—and are easier to bake than traditional breads. By using readily available or home-ground nut and seed flours and alternative and natural sweeteners as the foundation for their groundbreaking style of baking, Reinhart and Wallace avoid the carb-heavy starch products commonly found in gluten-free baking. Additionally, each recipe can easily be made vegan by following the dairy and egg substitution guidelines. Bakers of all skill levels will have no trouble creating incredibly flavorful baked goods, such as: • Toasting Bread, Banana Bread, Nutty Zucchini Bread, and many styles of pizza and focaccia • Cheddar Cheese and Pecan Crackers, Herb Crackers, Garlic Breadsticks, and pretzels • Blueberry-Hazelnut Muffins, Lemon and Poppy Seed Scones, and pancakes and waffles • Coconut-Pecan Cookies, Lemon Drop Cookies, Biscotti, and Peanut Butter Cup Cookies • Brownies and Blondies, Cinnamon-Raisin Coffee Cake, Pound Cake with Crumb Topping, and Carrot Cake with Cream Cheese Frosting • Apple Crumble Pie, Pumpkin Pie, Berry Pie, and Vanilla, Chocolate, or Banana Cream Pie With Reinhart and Wallace's careful attention to ingredients and balancing of flavors, these delicious gluten-free baked goods with a glycemic load of nearly zero will satisfy anyone's craving for warm bread or decadent cake.

Covers the important requirements of teaching databases with a modular and progressive perspective. This book can be used for a full course (or pair of courses), but its first half can be profitably used for a shorter course.

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

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

Integrated Management of Systems, Services, Processes and People in IT

Entity-Relationship Approach - ER '93

Concepts, Design and Applications

Essentials of Database Management

Challenges and Solutions

A Practical Approach

This book addresses issues related to managing data across a distributed database system. It is unique because it covers traditional database theory and current research, explaining the difficulties in providing a unified user interface and global data dictionary. The book gives implementers guidance on hiding discrepancies across systems and creating the illusion of a single repository for users. It also includes three sample frameworks—implemented using J2SE with JMS, J2EE, and Microsoft .Net—that readers can use to learn how to implement a distributed database management system. IT and development groups and computer sciences/software engineering graduates will find this guide invaluable.

Multimedia Database Management Systems presents the issues and the techniques used in building multimedia database management systems. Chapter 1 provides an overview of multimedia databases and underlines the new requirements for these applications. Chapter 2 discusses the techniques used for storing and retrieving multimedia objects. Chapter 3 presents the techniques used for generating metadata for various media objects. Chapter 4 examines the mechanisms used for storing the index information needed for accessing different media objects. Chapter 5 analyzes the approaches for modeling media objects, both their temporal and spatial characteristics. Object-oriented approach, with some additional features, has been widely used to model multimedia information. The book discusses two systems that use object-oriented models: OVID (Object Video Information Database) and Jasmine. The models for representing temporal and spatial requirements of media objects are then studied. The book also describes authoring techniques used for specifying temporal and spatial characteristics of multimedia databases. Chapter 6 explains different types of multimedia queries, the methodologies for processing them and the language features for describing them. The features offered by query languages such as SQL/MM (Structured Query Language for Multimedia), PICQUERY+, and Video SQL are also studied. Chapter 7 deals with the communication requirements for multimedia databases. A client accessing multimedia data over computer networks needs to identify a schedule for retrieving various media objects composing the database. The book identifies possible ways for generating a retrieval schedule. Chapter 8 ties together the techniques discussed in the previous chapters by providing a simple architecture of a

distributed multimedia database management system. Multimedia Database Management Systems can be used as a text for graduate students and researchers working in the area of multimedia databases. In addition, the book serves as essential reading material for computer professionals who are in (or moving to) the area of multimedia databases.

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.

This volume presents recent research in cyber security and reports how organizations can gain competitive advantages by applying the different security techniques in real-world scenarios. The volume provides reviews of cutting-edge technologies, algorithms, applications and insights for bio-inspiring cyber security-based systems. The book will be a valuable companion and comprehensive reference for both postgraduate and senior undergraduate students who are taking a course in cyber security. The volume is organized in self-contained chapters to provide greatest reading flexibility.

Database Systems

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

An Introduction to Database Systems

80 Low-Carb Recipes that Offer Solutions for Celiac Disease, Diabetes, and Weight Loss

Systems, Social, and Internationalization Design Aspects of Human-computer Interaction

Designed to provide an insight into the database concepts DESCRIPTION Book teaches the essentials of DBMS to anyone who wants to become an effective and indepe

It covers all the DBMS fundamentals without forgetting few vital advanced topics such as from installation, configuration and monitoring, up to the backup and migrati

covering few database client tools. KEY FEATURES Book contains real-time executed commands along with screenshot Parallel execution and explanation of Oracle and M

commands A Single comprehensive guide for Students, Teachers and Professionals Practical oriented book WHAT WILL YOU LEARN Relational Database,Keys Normalization

SQL, SQL Queries, SQL joins Aggregate Functions,Oracle and Mysql tools WHO THIS BOOK IS FOR Students of Polytechnic Diploma Classes- Computer Science/ Informatio

Technology Graduate Students- Computer Science/ CSE / IT/ Computer Applications Master Class Students—Msc (CS/IT)/ MCA/ M.Phil, M.Tech, M.S. Industry Professio

Certifications Table of Contents ?1. Fundamentals of data and Database management system 2. Database Architecture and Models 3. Relational Database and normaliza

technology & SQL 5. Database queries 6. SQL operators 7. Introduction to database joins 8. Aggregate functions, subqueries and users 9. Backup & Recovery 10. Databa

Oracle and MYSQL tools 12. Exercise

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 we

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 re

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

field. The coverage consists of two parts. The first part discusses the fundamental principles of distributed data management and includes distribution design, data inte

query processing and optimization, distributed transaction management, and replication. The second part focuses on more advanced topics and includes discussion of pa

systems, distributed object management, peer-to-peer data management, web data management, data stream systems, and cloud computing. New in this Edition: • New

database replication, database integration, multidatabase query processing, peer-to-peer data management, and web data management. • Coverage of emerging topics s

and cloud computing • Extensive revisions and updates based on years of class testing and feedback Ancillary teaching materials are available.

Databases and database systems in particular, are considered as kernels of any Information System (IS). The rapid growth of the web on the Internet has dramatically i

semi-structured data and the need to store and retrieve such data in a database. The database community quickly reacted to these new requirements by providing mod

data and by integrating database research to XML web services and mobile computing. On the other hand, IS community who never than before faces problems of IS de

for new approaches to IS design. Ontology based approaches are gaining popularity, because of a need for shared conceptualisation by different stakeholders of IS deve

web-based IS would fail without domain ontologies to capture meaning of terms in their web interfaces. This volume contains revised versions of 24 best papers prese

International Baltic Conference on Databases and Information Systems (BalticDB&IS'2002). The conference papers present original research results in the novel fields of

such as web IS, XML and databases, data mining and knowledge management, mobile agents and databases, and UML based IS development methodologies. The book's i

researchers and practitioners who are interested in advanced topics on databases and IS.

Database Management Systems provides comprehensive and up-to-date coverage of the fundamentals of database systems. Coherent explanations and practical exampl

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 m

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 on 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 have been added throughout the book, including SQL and Oracle examples. The applied flavor is further enhanced by the two new database applications chapters.

Design, Implementation and Project Management

Evolving Application Domains of Data Warehousing and Mining: Trends and Solutions

Database and data communication network systems

Valuepack

Database System Concepts

Multimedia Database Management Systems

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.

Data is at the center of many challenges in system design today. Difficult issues need to be figured out, such as scalability, consistency, reliability, efficiency, and maintainability. In addition, we have an overwhelming variety of tools, including relational databases, NoSQL datastores, stream or batch processors, and message brokers. What are the right choices for your application? How do you make sense of all these buzzwords? In this practical and comprehensive guide, author Martin Kleppmann helps you navigate this diverse landscape by examining the pros and cons of various technologies for processing and storing data. Software keeps changing, but the fundamental principles remain the same. With this book, software engineers and architects will learn how to apply those ideas in practice, and how to make full use of data in modern applications. Peer under the hood of the systems you already use, and learn how to use and operate them more effectively Make informed decisions by identifying the strengths and weaknesses of different tools Navigate the trade-offs around consistency, scalability, fault tolerance, and complexity Understand the distributed systems research upon which modern databases are built Peek behind the scenes of major online services, and learn from their architectures

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.

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.

Operating Systems

Fundamentals of Database Management Systems, 2nd Edition

Databases and Information Systems II

Concepts, Languages & Architectures

techniques and applications

Database Management System

Database SystemsThe Complete BookPearson Higher Ed

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.

This book places spatial data within the broader domain of information technology (IT) while providing a comprehensive and coherent explanation of the guiding principles, methods, implementation and operational management of spatial databases within the workplace. The text explains the key concepts, issues and processes of spatial data implementation and provides a holistic management perspective.

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.

Conceptual Database Design

Business Optimization in a Global Economy

Distributed Database Management Systems

Database Integrity: Challenges and Solutions

Fifth International Baltic Conference, Baltic DB&IS'2002 Tallinn, Estonia, June 3-6, 2002 Selected Papers

Learn essential concepts of database systems

DATA MODELING AND DATABASE DESIGN presents a conceptually complete coverage of indispensable topics that each MIS student should learn if that student takes only one database course. Database design and data modeling encompass the minimal set of topics addressing the core competency of knowledge students should acquire in the database area. The text, rich examples, and figures work together to cover material with a depth and precision that is not available in more introductory database books. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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

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

This volume of the Lecture Notes in Computer Science series contains all papers accepted for presentation at the 20th IFIP/IEEE International Workshop on Distributed Systems: Operations and Management (DSOM 2009), which was held in Venice, Italy, during October 27-28, 2009. DSOM 2009 was the 20th event in a series of annual workshops. It followed in the footsteps of previous successful meetings, the most recent of which were held on Samos, Greece (DSOM 2008), San Jos´e, California, USA (DSOM 2007), Dublin, Ireland (DSOM 2006), Barcelona, Spain (DSOM 2005), and Davis, California, USA (DSOM 2004). The goal of the DSOM workshops is to bring - gether researchers from industry and academia working in the areas of networks, systems, and service management, to discuss recent advances and foster future growth. In contrast to the larger management conferences, such as IM (International Symposium on Integrated Network Management) and NOMS (Network Operations and Management Symposium), DSOM workshop have a single-track program in order to stimulate more intense interaction among participants.

12th International Conference on the Entity-Relationship Approach, Arlington, Texas, USA, December 15 - 17, 1993. Proceedings Theory, Algorithms, and the Practice of Concurrency Control and Recovery

Database Solutions

Data Modeling and Database Design

The Big Ideas Behind Reliable, Scalable, and Maintainable Systems

Pearson New International Edition

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.

The second edition of this bestselling title is a perfect blend of theoretical knowledge and practical application. It progresses gradually from basic to advance concepts in database management systems, with numerous solved exercises to make learning easier and interesting. New to this edition are discussions on more commercial database management systems.

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.

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.

A Spiral Approach

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

Trends and Solutions

The Complete Book

Principles of Distributed Database Systems

Collaborative, Trusted and Privacy-Aware e/m-Services

This database design book provides the reader with a unique methodology for the conceptual and logical design of databases. A step-by-step method is given for developing a conceptual structure with multiple users. Additionally, the authors provide an up-to-date survey and analysis of existing database design tools.

"This book provides insight into the latest findings concerning data warehousing, data mining, and their applications in everyday human activities"--Provided by publisher.

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 sp database applications has led to the establishment of more specialized discussion platforms (DaWaK Conference, EC-Web Conference, EGOVConference, Trustbus Conference and DEXA Workshop: Ev 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 preparat 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 culmin 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 supp

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 act conference and made it possible. These were: • University of Zaragoza • FAW • DEXA Association • Austrian Computer Society

The Joy of Gluten-Free, Sugar-Free Baking

Bio-inspiring Cyber Security and Cloud Services: Trends and Innovations

Spatial Database Systems

Fundamentals of Database Systems

Database and Expert Systems Applications

Transactional Information Systems