

Kifer Database Systems Application Oriented Approach

Database Systems Database Systems Database and Expert Systems Applications Database and Expert Systems Applications Database and Expert Systems Applications Database and Expert Systems Applications Database and Expert Systems Applications Advances in Database Systems Database and Expert Systems Applications Database Applications Semantics Advanced Database Systems Tenth International Workshop on Database and Expert Systems Applications Database Systems Fundamentals of Database Systems Database Development and Management Database Systems An Introduction to Database Systems An Object-oriented Database System for Computer Aided Design Applications Spatial Database Systems S. K. Singh Michael Kifer Trevor Bench-Capon A. Hameurlain Roland R. Wagner Gerald Quirchmayr A Min Tjoa Dimitris Karagiannis J. Paredaens Vladimir Mařík L. Mark Nabil R. Adam Antonio Cammelli Peter Rob Ramez Elmasri Lee Chao S. K. Singh C. J. Date Yenren Liu Albert K.W. Yeung Database Systems Database Systems Database and Expert Systems Applications Database and Expert Systems Applications Database and Expert Systems Applications Database and Expert Systems Applications Database and Expert Systems Applications Advances in Database Systems Database and Expert Systems Applications Database Applications Semantics Advanced Database Systems Tenth International Workshop on Database and Expert Systems Applications Database Systems Fundamentals of Database Systems Database Development and Management Database Systems An Introduction to Database Systems An Object-oriented Database System for Computer Aided Design Applications Spatial Database Systems S. K. Singh Michael Kifer Trevor Bench-Capon A. Hameurlain Roland R. Wagner Gerald Quirchmayr A Min Tjoa Dimitris Karagiannis J. Paredaens Vladimir Mařík L. Mark Nabil R. Adam Antonio Cammelli Peter Rob Ramez Elmasri Lee Chao S. K. Singh C. J. Date Yenren Liu Albert K.W. Yeung

this book is a comprehensive practical and student friendly textbook addressing fundamental concepts in database design and applications

this textbook explains the conceptual and engineering principles of database design rather than focusing on how to implement a database management system it focuses on building applications and the theory underlying relational databases and relational query languages an ongoing case study illustrates both database and software engineering concepts originally published as databases and transaction processing by pearson education in 2002 the second edition adds a chapter on database tuning and a section on uml annotation 2004 book news inc portland or booknews com

the database and expert systems applications dexta conferences bring together researchers and practitioners from all over the world to exchange ideas experiences and opinions in a friendly and stimulating environment the papers are at once a record of what has been achieved and the first steps towards shaping the future of information systems dexta covers a broad field and all aspects of database knowledge base and related technologies and their applications are represented once again there were a good number of submissions 241 papers were submitted and of these the

programme committee selected 103 to be presented dexa 99 took place in florence and was the tenth conference in the series following events in vienna berlin valencia prague athens london zurich toulouse and vienna the decade has seen many developments in the areas covered by dexa developments in which dexa has played its part i would like to express thanks to all the institutions which have actively supported and made possible this conference namely university of florence italy idg cnr italy faw university of linz austria austrian computer society dexa association in addition we must thank all the people who have contributed their time and effort to make the conference possible special thanks go to maria schweikert technical university of vienna m neubauer and g wagner faw university of linz we must also thank all the members of the programme committee whose careful reviews are important to the quality of the conference

this book contains the refereed proceedings of the 8th international conference on database and expert systems applications dexa 97 held in toulouse france september 1997 the 62 revised full papers presented in the book together with three invited contributions were selected from a total of 159 submissions the papers are organized in sections on modeling object oriented databases active and temporal aspects images integrity constraints multimedia databases deductive databases and knowledge based systems allocation concepts data interchange digital libraries transaction concepts learning issues optimization and performance query languages maintenance federated databases uncertainty handling and qualitative reasoning and software engineering and reusable software

content description includes bibliographical references and index

this book constitutes the refereed proceedings of the 9th international conference on database and expert systems applications dexa 98 held in vienna austria in august 1998 the 81 revised full papers presented were carefully selected from a total of more than 200 submissions the papers are organized in sections on active databases object oriented systems data engineering information retrieval workflow and cooperative systems spatial and temporal aspects document management spatial databases adaptation and view updates genetic algorithms cooperative and distributed environments interaction and communication transaction advanced applications temporal aspects oriented systems partitioning and fragmentation database queries data data warehouses knowledge discovery and data mining knowledge extraction and knowledge base reduction for comprehension and reuse

use and development of database and expert systems can be found in all fields of computer science the aim of this book is to present a large spectrum of already implemented or just being developed database and expert systems contributions cover new requirements concepts for implementations e g languages models storage structures management of meta data system architectures and experiences gained by using traditional databases in as many areas of applications as possible at least in the fields listed the aim of the book is to inspire a fruitful dialogue between development in practice users of database and expert systems and scientists working in the field

the database and expert systems applications dexa conferences are dedicated to providing an international forum for the presentation of applications in the database and expert systems field for the exchange of ideas and experiences and for defining requirements for the future systems in these fields after the very promising dexa 90 in vienna austria we hope to have successfully established with this year's dexa 91 a stage where scientists from diverse fields interested in application oriented research can present and discuss their work this year there was a total of more than 250

submitted papers from 28 different countries in all continents only 98 of the papers could be accepted the collection of papers in these proceedings offers a cross section of the issues facing the area of databases and expert systems i.e. topics of basic research interest on one hand and questions occurring when developing applications on the other major credit for the success of the conference goes to all of our colleagues who submitted papers for consideration and to those who have organized and chaired the panel sessions many persons contributed numerous hours to organize this conference the names of most of them will appear on the following pages in particular we wish to thank the organization committee chairmen johann gordesch a min tjoa and roland wag ner who also helped establishing the program special thanks also go to gabriella wagner and anke ruckert dimitris karagiannis general conference chairman contents conference committee

advanced information technology is pervasive in any kind of human activity science business finance management and others and this is particularly true for database systems both database theory and database applications constitute a very important part of the state of the art of computer science meanwhile there is some discrepancy between different aspects of database activity theoreticians are sometimes not much aware of the real needs of business and industry software specialists not always have the time or the opportunity to get acquainted with the most recent theoretical ideas and trends as well as with advanced prototypes arising from these ideas potential users often do not have the possibility of evaluating the theoretical foundations and the potential practical impact of different commercial products so the main goal of the course was to put together people involved in different aspects of database activity and to promote active exchange of ideas among them

this volume constitutes the proceedings of the 4th international conference on database and expert systems applications dexa held in prague czech republic in september 1993 traditionally the objective of the dexa conferences is to serve as an international forum for the discussion and exchange of research results and practical experience among theoreticians and professionals working in the field of database and artificial intelligence technologies despite the fact that in the conference title the applications aspect is mentioned explicitly the theoretical and the practical points of view in the field are well balanced in the program of dexa 93 the growing importance of the conference series is outlined by the remarkably high number of 269 submissions and by the support given by renown organizations dexa 93 is held for the first time outside the former gdr in an east european country and is essentially contributing to the advancement of the east west scientific cooperation in the field of database and ai systems this proceedings contains the 78 contributed papers carefully selected by an international program committee with the support of a high number of subreferees the volume is organized in sections on data models distributed databases advanced database aspects database optimization and performance evaluation spatial and geographic databases expert systems and knowledge engineering legal systems other database and artificial intelligence applications software engineering and hypertext hypermedia and user interfaces publisher's website

the number of new applications in need of database support is exploding and there is an increasing need to link and access database systems supporting these new applications via computer networks end users and non computer experts are becoming heavily involved in the set up management and use of database systems and this book provides the important database design methodologies and implementation technology which should be available for them as well as for computer experts

database management is attracting wide interest in both academic and industrial contexts new application areas such as cad cam geographic information systems and multimedia are emerging the needs of these application areas are far more complex than those of conventional business applications the purpose of this book is to bring together a set of current research issues that addresses a broad spectrum of topics related to database systems and applications the book is divided into four parts object oriented databases temporal historical database systems query processing in database systems heterogeneity interoperability open system architectures multimedia database systems

proceedings of the september 1999 workshop on defining requirements for future systems in the areas of database and artificial technologies the 151 contributions discuss innovative applications and new architectures mobility in databases and distributed systems similarity search web based inform

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 site that includes further teaching tutorials and many useful student resources

today s database professionals must understand how to apply database systems to business processes and how to develop database systems for both business intelligence and based applications database development and management explains all aspects of database design access implementation application development and management as well

in depth and tutorial treatment of relational data base systems detailed coverage of db2 ingres and sql

the decision to write this book was motivated by a number of factors first although several useful textbooks on spatial databases have recently been published this is an area of spatial information science that has lagged somewhat behind the rapid advances of the technology and the profusion of books on domain specific applications second much of the information pertaining to spatial database technologies is only available in scattered journal papers and conference proceedings and prior to this book no single effort has been made to sift through this expansive literature and unite the key contributions in a single volume the tasks of sourcing and coherently integrating relevant contributions is daunting for students many of whom have a substantial number of competing demands placed on them this book should make the task of knowledge building less daunting third and perhaps most importantly an apparent trend in many spatial information science programs is to focus from first or second year undergraduate through to fourth year courses on learning to work confidently and independently with increasingly complex software tools hence many courses are technical in nature and while they continue to produce technically adept students knowledge of the broader aspects of spatial databases is often not as complete as it might be among graduates some programs have sought to address this by introducing courses that focus on spatial data management however these courses are largely unsupported by a relevant and contemporary textbook

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