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J. Demitrovics · B. Thalheim (Eds.)

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MFDBS 89 Janos Demetrovics, Bernhard Thalheim, 1989-05-30 This volume is a collection of the most important contributions presented at the second MFDBS conference held in Visegrád Hungary June 26-30 1989 The papers selected from more than one hundred submissions originating from 23 countries in 4 continents can be roughly divided into the following sections: theoretical fundamentals of relational databases, logical foundations and databases, data modelling, database design, deductive databases, transaction management and security, concurrency control and distributed databases. The volume reflects the current state of knowledge and is a guide to further development in database theory. **MFDBS 89** Janos Demetrovics, Bernhard Thalheim, 1989 **MFDBS 89**, 1989 This volume is a collection of the most important contributions presented at the second MFDBS conference held in Visegrád Hungary June 26-30 1989 The papers selected from more than one hundred submissions originating from 23 countries in 4 continents can be roughly divided into the following sections: theoretical fundamentals of relational databases, logical foundations and databases, data modelling, database design, deductive databases, transaction management and security, concurrency control and distributed databases. The volume reflects the current state of knowledge and is a guide to further development in database theory. Publisher's website **Classical and Quantum Dynamics** Walter Dittrich, Martin Reuter, 2001-06-18 Physics students who want to become familiar with advanced computational strategies in classical and quantum dynamics will find here a detailed treatment, many worked examples. This new edition has been revised and enlarged with chapters on the action principle in classical electrodynamics, on the functional derivative approach and on computing traces. [Entity-Relationship Modeling](#) Bernhard Thalheim, 2013-03-09 Database technology and entity relationship (ER) modeling have meanwhile reached the level of an established technology. This book presents the achievements of research in this field in a comprehensive survey. It deals with the entity relationship model and its extensions with regard to an integrated development and modeling of database applications and consequently the specification of structures, behavior and interaction. Apart from research on the ER model and the syntax, semantics and pragmatics of database modeling, the book also presents techniques for the translation of the ER model into classical database models and languages such as relational, hierarchical and network models and languages and also into object oriented models. The book is of interest for all database theoreticians as well as practitioners who are provided with the relevant foundations of database modeling. **Nonmonotonic and Inductive Logic** Gerhard Brewka, 1993 This proceedings volume contains a selection of revised and extended papers presented at the Second International Workshop on Nonmonotonic and Inductive Logic (NIL 91) which took place at Reinhardsbrunn Castle, December 2-6 1991. The volume opens with an extended version of a tutorial on nonmonotonic logic by G. Brewka, J. Dix and K. Konolige. Fifteen selected papers follow on a variety of topics. The majority of papers belong either to the area of nonmonotonic reasoning or to the field of inductive inference, but some papers integrate research from both areas. The first workshop in this

series was held at the University of Karlsruhe in December 1990 and its proceedings were published as Lecture Notes in Artificial Intelligence Volume 543 The series of workshops was made possible by financial support from Volkswagen Stiftung Hannover This workshop was also supported by IBM Deutschland GmbH and Siemens AG **Information**

Systems-correctness And Reusability - Selected Papers Form The Is-core Workshop Roel J Wieringa, R B

Feenstra, 1995-06-09 This volume contains papers on formal system specification The chapters treat algebraic specification temporal logic specification default specifications and deontic logic specification Applications include information systems distributed systems and real time systems One of the major themes in the book is the motivation to bring formal specification techniques one step further towards realistic applications [Index of Conference Proceedings](#), 1992 [Database Theory - ICDT '92](#)

Joachim Biskup, Richard Hull, 1992-10-05 The papers in this volume were presented at the International Conference on Database Theory held in Berlin Germany October 14 16 1992 This conference initiated the merger of two series of conferences on theoretical aspects of databases that were formed in parallel by different scientific communities in Europe The first series was known as the International Conference on Database Theory and the second as the Symposium on Mathematical Fundamentals of Database Systems In the future ICDT will be organized every two years alternating with the more practically oriented series of conferences on Extending Database Technology EDBT The volume contains 3 invited lectures and 26 contributed papers selected from a total of 107 submissions The papers are organized into sections on constraints and decomposition query languages updates and active databases concurrency control and recovery knowledge bases datalog complexity and optimization object orientation information capacity and security and data structures and algorithms Two of the invited papers survey research into theoretical database issues done in Eastern Europe during the past decade **Database Theory - ICDT '95**

Georg Gottlob, 1995-01-03 This volume presents the proceedings of the 1995 International Conference on Database Theory ICDT 95 held in Prague in January 1995 Besides two full invited papers and the abstracts of two tutorials the book includes the revised full versions of 29 technical contributions selected from a total of 116 submissions The papers address all current aspects of database theory they are organized in sections on optimization nonmonotonic semantics query languages concurrency control advanced models probabilistic methods constraints and dependencies and Datalog analysis **Foundations of Data Organization and Algorithms**

Witold Litwin, 1989-06-07 The Third International Conference on Foundations of Data Organization and Algorithms has been organized by INRIA in Paris from June 21 to 23 1989 Previous FODO Conferences were held in Warsaw 1981 and in Kyoto 1985 The goal of this year's conference is to present advances in techniques of permanent and temporary data organization in different fields New applications such as image processing graphics geographic data processing robotics office automation information systems language translation and expert systems have developed various data organizations and algorithms specific to the application requirements The growing importance of these applications has created a need for general studies on data organization and

algorithms as well as for specific studies on new database management systems and on filing services The articles submitted for the conference were subject to the usual rigorous reviewing process and selected on that basis They offer an excellent snapshot of the state of the art in the field and should prove invaluable for computer scientists faced by the problems of data organization which are raised by these new applications

ESEC '89 Carlo Ghezzi, 1989 The book is concerned with the broad topic of software engineering It comprises the proceedings of the European Software Engineering Conference ESEC held at the University of Warwick in the United Kingdom in September 1989 and its primary purpose is to summarise the state of the art in software engineering as represented by the papers at that conference The material covers both submitted papers and a number of invited papers given at the conference The topics covered include metrics and measurement software process modelling formal methods including their use in industry software configuration management software development environments and requirements engineering The book is most likely to be of interest to researchers and professionals working in the field of software development The primary value of the book is that it gives an up to date treatment of its subject material and includes some interesting discussions of the transfer of research ideas into industrial practice

On the Shape of Mathematical Arguments A. J. M. Gasteren, 1990-07-24 This book deals with the presentation and systematic design of mathematical proofs including correctness proofs of algorithms Its purpose is to show how completeness of argument an important constraint especially for the correctness of algorithms can be combined with brevity The author stresses that the use of formalism is indispensable for achieving this A second purpose of the book is to discuss matters of design Rather than addressing psychological questions the author deals with more technical questions like how analysis of the shape of the demonstrandum can guide the design of a proof This technical rather than psychological view of heuristics together with the stress on exploiting formalism effectively are two key features of the book The book consists of two independently readable parts One part includes a number of general chapters discussing techniques for clear exposition the use of formalism the choice of notations the choice of what to name and how to name it and so on The other part consists of a series of expository essays each dealing with a proof or an algorithm and illustrating the use of techniques discussed in the more general chapters

International Books in Print, 1997 *Foundations of Software Technology and Theoretical Computer Science* Conjeevaram E. Veni Madhavan, 1989-12-06 The papers in this volume accepted for the conference on foundations of software technology and theoretical computer science project research results in Algorithmics design and analysis of graph geometric algebraic and VLSI algorithms data structures average analysis complexity theory parallel parsing Concurrency algebraic semantics event structures Logic programming algebraic properties semantics Software technology program transformations algebraic methods These results together with the formal techniques employed to present them reflect current trends pursued by leading research groups around the world The papers treat their topics in depth by carefully reviewing existing results developing and demonstrating new techniques and suggesting further directions

for research **AI '88** Christopher J. Barter, Michael J. Brooks, 1990-03-07 The broad objective of this conference series is to bring business industry and researchers together to consider the current activities and future potential of artificial intelligence encompassing both practical and theoretical issues Many papers were submitted including some from Canada France UK USA Sweden Italy and Thailand *Proceedings of the ... International Joint Conference on Artificial Intelligence*, 1993 **Automatic Verification Methods for Finite State Systems** Joseph Sifakis, 1990-01-10 This volume contains the proceedings of a workshop held in Grenoble in June 1989 This was the first workshop entirely devoted to the verification of finite state systems The workshop brought together researchers and practitioners interested in the development and use of methods tools and theories for automatic verification of finite state systems The goal at the workshop was to compare verification methods and tools to assist the applications designer The papers in this volume review verification techniques for finite state systems and evaluate their relative advantages The techniques considered cover various specification formalisms such as process algebras automata and logics Most of the papers focus on exploitation of existing results in three application areas hardware design communication protocols and real time systems **Efficient Query Processing in Geographic Information Systems** Beng Chin Ooi, 1990-11-28 Very Good No Highlights or Markup all pages are intact **IJCAI**, 1993

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