

Object - Oriented Database

Object-Oriented
Programming

Polymorphism

Inheritance

Encapsulation



Relational
Database

Integrity

Concurrency

Query Processing

Object Oriented Databases And Their Applications To Software Engineering

Stanley B. Zdonik, David Maier



Object Oriented Databases And Their Applications To Software Engineering:

Object-oriented Databases Alan W. Brown,1991 Provides a simple concise introduction to object oriented database systems with emphasis on their use as an enabling technology for supporting large scale software development

Object-oriented Modeling and Design for Database Applications Michael Blaha,William Premerlani,1998 Written from a software engineering perspective this book shows programmers developers how to build object oriented database applications for distributed client server environments using the newest update of the OMT methodology UML Object

Oriented Technologies: Opportunities and Challenges Gibson, Rick,1999-07-01 The continual evolution of object oriented technologies creates both opportunities and challenges However despite the growing popularity of object oriented technology there are numerous issues that have contributed to its inability to firmly entrench itself and take over for the older proven technologies Object oriented technology s image problem has created a highly difficult decision making process for corporations considering widespread adoption of these technologies Object Oriented Technologies Opportunities and Challenges addresses concerns opportunities and technology trends in the application of object oriented technologies The chapters of this book were selected to represent a variety of perspectives concerning the present and future of this broad sub field of software development Readings in Object-Oriented Database Systems Stanley B. Zdonik,David Maier,1990 This

comprehensive collection is a survey of research in object oriented databases offering a substantive overview of the field section introductions and over 40 research papers presented in their original scope and detail The balanced selection of articles presents a confluence of ideas from both the language and database research communities that have contributed to the object oriented paradigm The editors develop a general definition and model for object oriented databases and relate significant research efforts to this framework Further the collection explores the fundamental notions behind object oriented databases semantic data models implementation of object oriented systems transaction processing interfaces and related approaches Research and theory are balanced by applications to CAD systems programming environments and office information systems **Database Systems For Advanced Applications '97 - Proceedings Of The 5th International Conference On Database Systems For Advanced Applications** Rodney Topor,Katsumi Tanaka,1997-03-15 This volume

contains the proceedings of the Fifth International Conference on Database Systems for Advanced Applications DASFAA 97 DASFAA 97 focused on advanced database technologies and their applications The 55 papers in this volume cover a wide range of areas in the field of database systems and applications including the rapidly emerging areas of the Internet multimedia and document database systems and should be of great interest to all database system researchers and developers and practitioners Database Systems for Advanced Applications '97 Rodney Topor,Katsumi Tanaka,1997 This volume contains the proceedings of the Fifth International Conference on Database Systems for Advanced Applications DASFAA 97 DASFAA 97 focused on advanced database technologies and their applications The 55 papers in this volume

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Object-Oriented Database System Hiroshi Ishikawa,2012-12-06 Computer Science Workbench is a monograph series which will provide you with an in depth working knowledge of current developments in computer technology Every volume in this series will deal with a topic of importance in computer science and elaborate on how you yourself can build systems related to the main theme You will be able to develop a variety of systems including computer software tools computer graphics computer animation database management systems and computer aided design and manufacturing systems Computer Science Workbench represents an important new contribution in the field of practical computer technology Toshiyasu L Kunii Preface The goal of this book is to give concrete answers to questions such as what object oriented databases are why they are needed how they are implemented and how they are applied by describing a research prototype object oriented database system called Jasmine That is this book is aimed at creating a consistent view to object oriented databases The contents of this book are directly based on the results of the Jasmine project conducted at Fujitsu Laboratories Ltd The book is a polished version of my doctoral dissertation which includes research papers which I have authored and published

Object-oriented Databases with Applications to CASE, Networks, and VLSI CAD Rajiv Gupta,Ellis Horowitz,1991 Object oriented has become one of the important buzzwords in computer science but as yet there is no clear consensus on what is object oriented programming This book addresses the concepts behind the buzzword and has four goals The first is to provide the reader with a perspective on concepts that have been in development in a diverse set of fields including artificial intelligence database theory programming languages and compiler theory which form the core of the object paradigm Second the text presents an overview of object oriented databases examples of their use and a comparison of strengths and weaknesses Third real world examples are shown to illustrate how they are mapped onto an object oriented framework Finally the programming language C has been adopted by programmers of object oriented databases so there is an overview of its power and limitations and two different approaches to making a database out of C are examined

Object-oriented Database Management Alfons Heinrich Kemper,Guido Moerkotte,1994 This book provides a comprehensive treatment of the recently developed object oriented database concepts in advanced applications in engineering and the sciences The main concepts are developed in a clean systems oriented approach and programming language independent

Object-oriented Technology for Database and Software Systems Vangalur S. Alagar,R. Missaoui,1995 Object orientation has become a must know subject for managers researchers and software practitioners interested in the design evolution reuse and management of efficient software components The book contains technical papers reflecting both theoretical and practical contributions from researchers in the field of object oriented OO databases and software engineering systems The book identifies actual and potential areas of integration of OO and database

technologies current and future research directions in software methodologies and reflections about the OO paradigm In providing current research and relevant information about this promising and rapidly growing field of object oriented databases and software engineering systems this book is invaluable to research scientists practitioners and graduate students working in the areas of databases and software engineering

Database and Expert Systems Applications Dimitris Karagiannis, 2013-11-11 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 Wagner who also helped establishing the program Special thanks also go to Gabriella Wagner and Anke Ruckert Dimitris Karagiannis General Conference Chairman Contents Conference Committee

Object-oriented Databases John G. Hughes, 1991 A comprehensive introduction to object oriented concepts as applied to databases and knowledge based systems The principles of semantic data modelling are described in depth and this is followed by a comprehensive description of the application of object oriented techniques in this area Separate chapters are devoted to implementation aspects such as persistence and concurrency

ESDA 1996: Object-oriented database management systems ; Intelligent robots and automation systems ,1996 Thirty one papers on the topics announced in the title comprise the second of nine volumes from the July 1996 conference No index Annotation c by Book News Inc Portland Or

Database and Expert Systems Applications ,1995 **Journal of Object-oriented Programming** ,1999

Database and Expert Systems Applications Norman Revell, A Min Tjoa, 1995-08-23 This book is about Drosophila retrotransposons which were the first eukaryotic mobile DNA elements discovered at the molecular level Both passive and active inhabitants of the eukaryotic genome they can influence its stable components and at the same time be subject to various types of cellular control The book covers different aspects of their structure and expression replication and transpositions their interaction with the host cell their role as important factors of genetic instability and essential contributors to the structure and evolution of the Drosophila genome

Advances in Object-Oriented Database Systems

Klaus R. Dittrich,1988-09-21 This volume collects papers presented at the 2nd International Workshop on Object Oriented Database Systems ooDBS II held at the Ebernburg near Bad M nster am Stein FRG in September 1988 It thus gives a comprehensive overview of the latest developments in this flourishing area of current database research Object oriented database systems have been approached with mainly two major intentions in mind namely to better support new application areas like CAD CAM office automation knowledge engineering and to overcome the impedance mismatch between data models and programming languages The notion of object orientation in database systems is thus a broader one than e g in the area of programming languages Structural object orientation provides for data model mechanisms that allow the direct representation and manipulation of highly structured entities behavioral object orientation cares for facilities to associate arbitrary user defined type specific operations with data entities finally full object orientation tries to combine the advantages of both categories Though data model concepts are the decisive feature of object oriented database systems numerous other system aspects have to be reconsidered or allow better solutions respectively in this light They include e g transactions implementation techniques optimization formalization the inclusion of rules and the integration with other systems A number of research prototypes and even some commercial systems are meanwhile available Both approaches to extend databases with object oriented capabilities and approaches to extend object oriented programming languages with database features have been and are being investigated

Advances in Concurrent Engineering Biren

Prasad,2023-06-14 This book is a collection of papers presented at the 7th ISPE International Conference on Concurrent Engineering CE Research and Applications The papers deal with different topics providing information on information modelling CE in virtual environment and standards in CE

Software Engineering Environments, 1995 Malcolm S.

Verrall,1995 Sessions on database issues PCTE process modeling integration and orientation from the proceedings of the April 1995 conference offer recent research in principles models architecture and design in software engineering environments Subjects include CASE Tool integration Indra requirements

Object-oriented Databases Ez

Nahouraii,Fred Petry,1991 This reprint collection consists of articles on object oriented databases and provides a broad overview of current concepts examples and applications The volume contains an introduction to the subject and papers organized into four sections basic concepts applications design and implementation

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