

**Lecture Notes in  
Computer Science**

**1472**

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**Transactions and Change  
in Logic Databases**

**Invited Surveys and Selected Papers**



**Springer**

# Transactions And Change In Logic Databases

**Dik Lun Lee**



## **Transactions And Change In Logic Databases:**

*Transactions and Change in Logic Databases* Burkhard Freitag, 1998-10-28 This book constitutes the thoroughly refereed and revised post workshop proceedings of two international meetings devoted to deductive databases and logic programming. The technical papers presenting original research results were carefully reviewed and selected for inclusion in the present book together with several survey articles summarizing the state of the art in the area. Thus the book is the ultimate reference for anybody interested in the theory and application of deductive databases and logic programming.

*Transactions and Change in Logic Databases* Burkhard Freitag, Hendrik Decker, Michael Kifer, 2014-09-11

Transactions and Database Dynamics Gunter Saake, Kerstin Schwarz, Can Türker, 2003-06-26 These post proceedings contain the revised versions of the accepted papers of the international workshop Transactions and Database Dynamics which was the eighth workshop in a series focusing on foundations of models and languages for data and objects FoMLaDO. Seven long papers and three short papers were accepted for inclusion in the proceedings. The papers address various issues of transactions and database dynamics: criteria and protocols for global snapshot isolation in federated transaction management; unified theory of concurrency control and replication control; specification of evolving information systems; inheritance mechanisms for deductive object databases with updates; specification of active rules for maintaining database consistency; integrity checking in subtransactions; open nested transactions for multi-tier architectures; declarative specification of transactions with static and dynamic integrity constraints; logic based specification of update queries as open nested transactions and execution guarantees and transactional processes in electronic commerce payments. In addition to the regular papers there are papers resulting from two working groups. The first working group paper discusses the basis for transactional computation. In particular it addresses the specification of transactional software. The second working group paper focuses on transactions in electronic commerce applications. Among others Internet transactions, payment protocols and currency control and persistence mechanisms are discussed. Moreover there is an invited paper by Jari Veijalainen which discusses transactional aspects in mobile electronic commerce. *Proceedings of the Eighteenth ACM SIGMOD-SIGACT-SIGART Symposium on Principles of Database Systems*, 1999 7th International Conference on Database Systems for Advanced Applications (DAS-FAA 2001) Dik Lun Lee, 2001. Annotation: Proceedings of an April 2001 conference examining recent progress in XML databases, data mining and clustering, document and text databases, deductive and knowledge bases, OLAP, indexing techniques, mobile computing and databases, query languages and processing, workflow management, visualization and multimedia databases, query processing and optimization and heterogeneous and networked databases. Specific subjects discussed include distance courseware discrimination based on representative sentence assaying, a logical foundation for deductive object oriented databases, multi-cube computation and facilitating workflow evolution in an advanced object environment. Other subjects include a unified retrieval method for multimedia documents and improving

backward recovery in workflow systems Lacks a subject index c Book News Inc *Recovery Mechanisms in Database Systems* Vijay Kumar, Meichun Hsu, 1998 Databases like any computer system sometimes fail This book is a contributed volume containing chapters from the world's experts in the field of database recovery The title gives an excellent summary of the advances in database recovery schemes **On the Move to Meaningful Internet Systems ...: CoopIS, DOA, and ODBASE**, 2003 **Proceedings of the Workshop on Programming with Logic Databases** Raghu Ramakrishnan, 1993 Abstract An increasing number of deductive systems are now either available or becoming available e.g Aditi CORAL EKS LDL LOGRES LOLA NAIL Glue RDL XSB The workshop schedule features twelve papers describing a range of applications and demo presentations of several implemented systems The proceedings contain all presented papers and short demo descriptions The papers are in order of presentation followed by demo descriptions included are descriptions of two demos that are not on the presentation schedule *Cumulated Index to the Books*, 1999 *Intelligent Database Systems* Elisa Bertino, Barbara Catania, Gian Piero Zarri, 2001 This tutorial guide to intelligent database systems uses advanced techniques to represent or manipulate knowledge and data It illustrates ways in which techniques developed in expert or knowledge based systems may be integrated with conventional relational or object oriented database systems *Database Integrity* Jorge H. Doorn, Laura C. Rivero, 2002 An effective database system should satisfy at least three basic integrity restrictions unique keys null restricts and a special case of inclusion dependancies that allows the design of hierarchies and relationships over class entities This text addresses these and a variety of other issues Proceedings International Computer Software and Applications Conference, 1999 **Logical Foundations for Cognitive Agents** Hector J. Levesque, 1999-06-07 It is a pleasure and an honor to be able to present this collection of papers to Ray Reiter on the occasion of his 60th birthday To say that Ray's research has had a deep impact on the field of Artificial Intelligence is a considerable understatement Better to say that anyone thinking of doing work in areas like deductive databases default reasoning diagnosis reasoning about action and others should realize that they are likely to end up proving corollaries to Ray's theorems Sometimes studying related work makes us think harder about the way we approach a problem studying Ray's work is as likely to make us want to drop our way of doing things and take up his This is because more than a mere visionary Ray has always been a true leader He shows us how to proceed not by pointing from his armchair but by blazing a trail himself setting up camp and waiting for the rest of us to arrive The International Joint Conference on Artificial Intelligence clearly recognized this and awarded Ray its highest honor the Research Excellence award in 1993 before it had even finished acknowledging all the founders of the field The papers collected here sample from many of the areas where Ray has done pioneering work One of his earliest areas of application was databases and this is reflected in the chapters by Bertossi et al and the survey chapter by Minker Database Processing David M. Kroenke, 2000 For undergraduate courses in Database Design Introduction to Database Management and Database Management and Design in departments of Business Computer Information Systems and

Computer Science The text provides a solid foundation in the fundamentals of database processing It is organized into several parts beginning with the core components of database processing including building databases and related applications data modeling and progresses to the transformation of data models into relational database designs Relational database implementation is discussed in the ensuing sections Key technological advances are thoroughly discussed such as the expanding Internet and organizational intranet technology and its role and function within application publishing The concluding parts deal with database processing and object oriented DBMS technology *IJCAI ,2001 Database Concepts* David M. Kroenke,2003 For courses in Database Management particularly for non majors or brief courses Also well suited for courses that devote significant amounts of time to a specific database platform Access Oracle and use a separate platform specific title as well In a simple 6 chapter straightforward manner this paperback text teaches students the essential concepts for database processing fundamentals of the relational model structured query language SQL data modeling database design and database administration Technically accurate and readily understandable discussions are the result of many years of experience in the database field and as a textbook author **Proceedings of the ... International Joint Conference on Artificial Intelligence** ,2001 [IJCAI-01](#) Bernhard Nebel,2001 **Distributed and Multi-database Systems** Angelo R. Bobak,1993 This book offers a practical approach to understanding and implementing distributed and multi database systems across the enterprise By reinforcing concepts with specific methodologies exercises and examples this guide enables programmers systems designers and IS managers to meet the challenge of managing data across different platforms This extremely practical book addresses real world problems faced when migrating to distributed and multi database architectures and includes an in depth discussion of federated database systems and the role expert systems play in multi database architectures Content highlights include Distributed Query Concurrency and Recovery SQL Basics and Design Implementation Issues **Index of Conference Proceedings** British Library. Document Supply Centre,1999

## Unveiling the Energy of Verbal Art: An Emotional Sojourn through **Transactions And Change In Logic Databases**

In a world inundated with screens and the cacophony of immediate transmission, the profound power and emotional resonance of verbal artistry often diminish in to obscurity, eclipsed by the constant barrage of sound and distractions. Yet, situated within the musical pages of **Transactions And Change In Logic Databases**, a fascinating perform of fictional elegance that impulses with raw emotions, lies an unforgettable trip waiting to be embarked upon. Composed with a virtuoso wordsmith, that magical opus instructions visitors on a psychological odyssey, softly exposing the latent potential and profound impact stuck within the elaborate web of language. Within the heart-wrenching expanse with this evocative examination, we will embark upon an introspective exploration of the book is main styles, dissect their interesting writing model, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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