Transactions and Database Dynamics
Proceedings of the Eighth International Workshop on Foundations of Models and Languages for Data and Objects Schloß Dagstuhl, Germany, September 27–30, 1999

edited by
Gunter Saake
Kerstin Schwarz
Can Türker

Otto-von-Guericke-Universität Magdeburg
Institut für Technische und Betriebliche Informationssysteme
Postfach 4120, D-39016 Magdeburg
{saake|schwarz|tuerker}@iti.cs.uni-magdeburg.de
Contents

Invited Papers

*Klaus-Dieter Schewe, Torsten Ripke*
Recoverability and Strictness for Multi-Level Schedules 1–20

*Jari Veijalainen*
Transactions in Mobile Electronic Commerce (Abstract) 21–22

Long Papers

*Nasreddine Aoumeur*
Specifying Distributed and Dynamically Evolving Information Systems Using an Extended CO-NETS Approach 23–41

*Elisa Bertino, Giovanna Guerrini, Danilo Montesi*
Inheritance in a Deductive Object Database Language with Updates 42–64

*Leopoldo Bertossi, Javier Pinto*
Specifying Active Rules for Database Maintenance 65–81

*A. Doucet, S. Gançarski, C. León, M. Rukoz*
Nested Transactions with Integrity Constraints 82–97

*Ekkart Kindler*
Serializability, Concurrency Control, and Replication Control 98–114

*Malik Saheb, Ramzi Karoui, S. Sedillot*
Open Nested Transactions: A Support for Increasing Performance and Multi-tier Applications 115–138

*Ralf Schenkel, Gerhard Weikum, Norbert Weißerberg, Xuequn Wu*
Federated Transaction Management with Snapshot Isolation 139–158

Short Papers

*E. O. De Brock*
Declarative Specifications of Complex Transactions 159–173

*Alfred Fent, Carl-Alexander Wichert, Burkhard Freitag*
Logical Update Queries as Open Nested Transactions 174–188

*Heiko Schuldt, Andrei Popovici, Hans-Jörg Schek*
Execution Guarantees in Electronic Commerce Payments 189–198

Working Groups

*Alfs T. Berztiss*
Transactional Computation: Overview and Discussion Topics 199–208

*Hans-Jörg Schek, Heiko Schuldt*
Transactions and Electronic Commerce 209–210