Foreword
Organizing Committee
Steering and Program Committees
Referees
Tutorial I - Data Warehousing and Parallel Data Systems p. 2
Tutorial II - Parallel and Distributed Real-Time Systems p. 3
Parallel Object/Relational DBMS: Challenges and Opportunities
An Efficient Approach to Discovering Knowledge from Large Databases p. 8
Hash Based Parallel Algorithms for Mining Association Rules p. 19
A Fast Distributed Algorithm for Mining Association Rules p. 31
Distributed Multi-Level Recovery in Main-Memory Databases p. 44
Performance of Recovery Time Improvement Algorithms for Software RAIDs p. 56
dSCAM: Finding Document Copies Across Multiple Databases p. 68
Querying the World Wide Web p. 80
Characterizing References Locality in the WWW p. 92
Production Data Warehouses with Teradata
Practical Issues with Commercial Use of Federated Databases p. 108
Replicated Indexes for Distributed Data p. 120
k-RP*: A Scalable Distributed Data Structure for High-Performance Multi-Attribute Access p. 132
A New Storage and Retrieval Method to Support Editing Operations in a Multi-Disk-based Video Server
Parallel Data Warehouse Architecture
DB2 Common Server Parallelism
The Strobe Algorithms for Multi-Source Warehouse Consistency p. 146
Making Views Self-Maintainable for Data Warehousing p. 158
Capabilities-Based Query Rewriting in Mediator Systems p. 170
Repairman Models for Replicated Data Management: A Case Study p. 184
Reliable Data Distribution Middleware for Large-scale Massive Data Replication p. 196
Scrambling Query Plans to Cope with Unexpected Delays p. 208
Building Regression Cost Models for Multidatabase Systems p. 220
Parallel Query Processing Strategies for Object-Oriented Temporal Databases p. 232
OnLine XPS for Highly Available, High-Volume, Complex OLTP p. 250
Parallel Propagation of Updates for Asynchronous Replication
Extending TP-Monitors for Intra-Transaction Parallelism p. 262
Adaptable, Efficient, and Modular Coordination of Distributed Extended Transactions p. 274
Transient Versioning for Consistency and Concurrency in Client-Server Systems p. 288
Data Warehousing Features in Informix OnLine XPS p. 289
The Query Execution Engine in Tandem’s New ServeWare SQL Product p. 295
World Wide What?
Author Index p. 295