Research Topics in Advanced DataBase

A	
Active Database Management Systems	*Active Federated Database Systems*
Advanced Query Optimization	*Applying Database Techniques to the Semantic Web*
Association Rule Mining on OLAP Cube	*Auto Admin*
B	
Benchmarking and Data Generation in Moving Objects Databases	*Bioinformatics Data Management and Data Mining*
Biological Data Mining	*Biometric Databases*
Buffer Management	*Business Rules in Databases*
Business-to-Business Integration	
C	
CASE Tools for Database Engineering	*Checking Integrity Constraints in a Distributed Database*
Collective Knowledge Composition in a P2P Network	*Common Information Model*
Component-Based Generalized Database Index Model	*Consistency in Spatial Databases*
Concurrency Policy in Popular DBMS (Oracle, SQL, ...)	*Converting a Legacy Database to Object-Oriented Database*
D	
Data Dissemination	*Data Model Versioning and Database Evolution*
Data Preprocessing	*Data Quality Assessment*
Data Warehouses	*Data Warehousing and OLAP*
Data Warehousing, Multi-Dimensional Data Models, and OLAP	*Database Engineering Focusing on Modern Dynamism Crises*
Database Mining	*Database Privacy*
Database Query Personalization	*Database Replication Protocols*
Database Support for Workflow Management Systems	*Databases for Mobile Applications*
Data veil lance and Panoptic Market spaces	*Deriving Spatial Integrity Constraints from Geographic Application Schemas*
Development Environment for Customer-Oriented Web Business	*Digital Media Warehouses*
Discovering Association Rules in Temporal Databases	*Document Versioning in Digital Libraries*
E	
E-Government Databases	*E-Mail Data Stores*
Engineering Information Modeling in Databases	*Ensuring Serializability for Mobile-Client Data Caching*
Enterprise Application Integration	*Evolutionary Query Optimization for Heterogeneous Distributed Database Systems*
Extended Entity Relationship Modeling	*Extraction-Transformation-Loading Processes*
F	
Free Software and Open Source Databases	*Fuzzy Database Modeling*
G	
Generic Model Management	*Geometric Quality in Geographic Information*
Graph Database	
H	

Hierarchical Architecture of Expert Systems for Database Management	*High Quality Conceptual Schemes*
I	
Information Quality of Databases	*Integration of Data Semantics in Heterogeneous Database Federations*
Integrative Document and Content Management Systems' Architecture	*Intension Mining*
K	
Kernelized Database Systems Security	*Knowledge Discovery and Geographical Databases*
Knowledge Discovery from Databases	*Knowledge Management in Tourism*
Knowledge Mining	
L	
Logic Databases and Inconsistency Handling	
M	
Main Memory Databases	*Managing Inconsistent Databases Using Active Integrity Constraints*
Mathematics of Generic Specifications for Model Management	*Memory Based Database*
Metric Databases	*Mobile Database*
Modeling and Querying Temporal Data	*Moving Objects Databases*
Multilevel Databases	*Multimedia Database*
Multiparticipant Decision Making and Balanced Scorecard Collaborative	
N	
Natural Language Front-End for a Database	*Normalizing Multimedia Databases*
O	
Object Modeling of RDBMS Based Applications	*Object-Relational Modeling in the UML*
Online Data Mining	*Ontological Assumptions in Information Modeling*
Ontologies and Their Practical Implementation	*Ontology-Based Data Integration*
Open Source Database Management Systems	*Open Source Software and Information Systems on the Web*
Optimal Query Execution in Data Grids	
P	
Parallel and Distributed Database Systems	*Path-Oriented Queries and Tree Inclusion Problems*
Preferred Repairs for Inconsistent Databases	*Proper Placement of Derived Classes in the Class Hierarchy*
Protein Families Database	
Q	
Querical Data Networks	*Query Evaluation and Optimization*
Query Operators in Temporal XML Databases	*Query Processing for RDF Data*
Query Processing in Spatial Databases	
R	
Raster Databases	*Real-Time Databases*
Relational, Object-Oriented and Object-Relational Data Models	*Rewriting and Efficient Computation of Bound Disjunctive Datalog Queries*

Repairing Inconsistent XML Data with Functional Dependencies	*Replication Mechanisms Over a Set of Distributed UDDI Registries*
Replication Methods and Their Properties	*Rewriting and Efficient Computation of Bound Disjunctive Datalog Queries*
Rhetorical Perspective on Localization and International Outsourcing	*Rough Sets*
S	
Security Controls for Database Technology and Applications	*Semantic Enrichment of Geographical Databases*
Semantic Information Management	*Semantically Modeled Enterprise Databases*
Semistructured Data and its Conceptual Models	*Sensors, Uncertainty Models, and Probabilistic Queries*
Service Mechanism Quality for Enhanced Mobile Multimedia Database Query Processing	*Set Comparison in Relational Query Languages*
Set Valued Attributes	*Signature Files and Signature File Construction*
Similarity Search in Time Series Databases	*Spatio-Temporal Indexing Techniques*
SQL Injection Attack	*Storing XML Documents in Databases*
Symbolic Objects and Symbolic Data Analysis	*Syntactical and Semantical Correctness of Pictorial Queries for GIS*
T	
Temporal Databases	*Text Categorization*
Text Databases	*Transaction Concurrency Methods*
Transactional Support for Mobile Databases	*Transformation-Based Database Engineering*
U	
Ubiquitous Computing and Databases	*Using Semantic Web Tools for Ontologies Construction*
Using Views to Query XML Documents	
V	
Vertical Database Design for Scalable Data Mining	
X	
XML Database	*XML Multi-Tier Pattern Dissemination System*

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