Encyclopedia of database technologies and applications

Bar Code: 615891
Card Number: 123816
Author(s): Rivero, Laura C., 1956-
Author(s): Doorn, Jorge H., 1946-
Author(s): Ferraggine, Viviana E., 1961-
Subject: Database management-Encyclopedias
Publish Year: 2006
Dewey Code: 005.7403 ENC
Publisher: Idea group Reference
ISBN: 1591407958
Pages: 1 v. (various pagings) : ill. ; 29 cm.
Content Preview:
Active Issues in Databases
6 Business Rules in Databases
60 Managing Inconsistent Databases Using Active Integrity Constraints
87 Active services for federated databases
93 Active Database Management Systems
131 Real-Time Databases
Databases and Digital Libraries Technologies
1 Text Categorization
42 Approaches to the document versioning issue in digital libraries
130 An XML Multi-tier Pattern Dissemination System
Document Databases
7 Text Databases
95 Signature Files and Signature File Construction
108 On the Path-Oriented Query Evaluation in Document Databases Distributed Databases
Distributed databases and Replication issues
21 Checking Integrity Constraints in a Distributed Database
26 Evaluation of the Most Important Replication Methods
50 Replication Mechanisms Over a Set of Distributed UDDI Registries
51 An Overview of Database Replication Approaches
111 Querical Data Networks
Interoperability Concerns
20 Ontology-based Data Integration: Different Approaches and Common Features
76 Collective Knowledge Composition in a P2P Network
106 Semantic Information Management with A Common Business Language
110 Integration of data semantics in heterogeneous database federations
GIS and Spatiotemporal Databases
10 Challenges of Consistency in Spatial Databases
23 Syntactically and Semantically Correct Sentences in Pictorial Query Languages for GIS
53 Moving Objects Databases: Achievements and Challenges
61 Semantic Enrichment of Geographical Databases
62 Knowledge Discovery and Geographical Databases
78 Query Processing in Spatial Databases
84 Indexing of Moving Objects and other Spatio-Temporal Data
Database Integrity Topics
79 Preferred Repairs for Inconsistent Databases
41 Logic Databases and Inconsistency Handling
81 Repairing and Querying Databases with Integrity Constraints
90 Deriving Spatial Integrity Constraints from Geographic Application Schemas
Knowledge Representation
Basic Principles
54 Symbolic Object: Art's State
100 Rough Sets: An Approach to Vagueness
105 Using Database Technology for Efficient Knowledge Management in the Semantic Web
116 Ontologies 1, Basic Principles
133 Ontologies 2, The Semantic Web Approach
Trends and Applications
56 Multiparticipant Decision Making and Balanced Scorecard Collaborative
134 Integrative Documents and Content Management (IDCM). New Generation Information Systems
Architectures for Managing Business and Web Content
36 Knowledge Management in Tourism
59 Database Support for Workflow Management Systems
Datamining
State of the Art
33 Knowledge Discovery from Databases
96 General Temporal Association Rules: The Itemset's Lifespan Approach
37 Knowledge Mining: A Critical Perspective
Novel Applications
31 Intension Mining
45 Online Data Mining
68 Data Mining in Biological Data
125 Vertical Database Design for Scalable Data Mining
Datawhourcing
3 Extraction-Transformation-Loading Processes in Data Warehouse Environments
12 Data Warehouses: An Introduction
32 Data Warehousing: Multi-dimensional Data Models and OLAP
71 Digital Media Warehouses
103 Data Warehousing and OLAP
Data Quality in Databases
2 Geographic Information Systems. Digital Elevation Model: Geometric Quality Control Method
16 The Information Quality of Databases
91 Data Quality Assessment
Databases and Mobile Environments
69 Transactional Support for Mobile Databases
88 Ensuring serializability for Mobile-Client Data Caching
104 Databases for Mobile Applications
115 Benchmarking and Data Generation in Moving Objects Databases
124 Quality of Service Mechanism for Enhanced Mobile Multimedia Database Query Processing
Database Modeling: Past, Present and Future
Basics on Conceptual Modeling
4 Conflicting Ontological Assumptions in Information Modeling
11 Relational, Object-Oriented and Object-Relational Data Models
13 Fuzzy Database Modeling
14 Engineering Information Modeling in Databases
17 Object-Relational Modeling in the UML
19 The Basis of Conceptual Modeling
67 Common Information Model
83 Maximizing Reusability by Properly Placing Derived Classes in the Class Hierarchy
89 Generalizations/Specializations and Categories in EER diagrams
102 Set Valued Attributes
107 Generic Model Management: Why, What and How, Mathematically
118 Mathematics of Generic Specifications for Model Management, I: The Arrow Foundations
132 Mathematics of Generic Specifications for Model Management, II: Heterogeneous Schema and Data Transformation
Tools
77 An Object Oriented CASE Methodology for Developing RDBMS Based Applications
126 Modeling the Architecture of Generalized Database Systems
127 CASE tools for database engineering
Engineering Database
80 Migrating Legacy Relational Database Content to Object-Oriented Database
122 Transformation-based Database Engineering
63 Database Engineering Focusing on Modern Dynamism Crises
97 Data Model Versioning And Database Evolution
Multimedia Databases
43 Normalizing Multimedia Databases
73 Raster Databases
128 Multimedia Databases
Free Software and Open Source Software
46 Trends in Open Source Database Management Systems
109 Open Source Software and Information Systems on the Web Two Case Studies
120 Free Software and Open Source Databases
Query Processing and Optimization
8 Metric Databases
44 Natural Language Front-end for a Database
47 Query Processing for RDF Data
48 Advanced Query Optimization: An Overview
57 Sensors, Uncertainty Models and Probabilistic Queries
64 Similarity Search in Time Series Databases
72 Rewriting and Efficient Computation of Bound Disjunctive Datalog Queries
121 Set Comparison in Relational Query Languages
70 Optimization of Continual Queries
Issues on Database Security
9 Hierarchical Architecture of Expert Systems for Database Management in a Smart Organization
34 Transaction Management in Multilevel Secure Kernelized Database Systems
39 Security PreDeCo/CIA Controls for Database Technologies and Applications, General Introduction
Managing Temporal Issues in Databases
18 Modeling and Querying Temporal Data
35 Query Operators in Temporal XML Databases
55 Temporal Databases: a Managerial Perspective
Innovative Perspectives
25 Evaluation of Methods to Increase Transaction concurrency
28 Multilevel Databases
38 Database Systems: A Personalized Perspective
40 A Rhetorical Perspective on Localization and International Outsourcing
52 Ubiquitous Computing and Databases: Critical Issues and Challenges
65 Bioinformatics Data Management and Data Mining
92 Data Dissemination
94 Semantically Modeled Enterprise Databases
98 Main Memory Databases: An Overview
101 Biometric Databases
Databases and the Web
22 Dataveillance and Panoptic Marketspaces
29 E-mail Data Stores
86 Databases in e-government
113 Business-to-Business (B2B) Integration
114 Enterprise Application Integration (EAI)
129 A Development and Maintenance Environment for Customer-Oriented Web Business Systems: eBizBench
XML
58 Storing XML Documents in Databases
66 Conceptual Models for Semistructured Data
74 Repairing inconsistent XML data with Functional Dependencies
99 Using Views to Query XML Documents