Supporting User Interactions with OODB's: A Declarative Approach p. 210
A Query Interface for an Object Management System p. 216
An Indexing Model for Complex Object Hierarchies in Object-Oriented Databases p. 221
An Object-Oriented Executable Requirements Specification Language p. 227
Functional and Object-Oriented Specification of Information Systems p. 233
Formal Model of an Object-Oriented Database with Versioned Objects and Schema p. 239
Meta Variables and Inheritance in an Object-Oriented Data Model p. 245
Uncertainty Management in Object-Oriented Database Systems p. 251
A Framework for Strong Typing and Type Inference in (Persistent) Object Models p. 257
Principles of Knowledge Augmented Visual Databases p. 264
Relationship Abstractions for an Effective Hypertext Design: Augmentation and Globalization p. 270
TOROS-HYPER: A Tool for the Integration of Hyper Documents into Knowledge-Based Systems p. 275
A Transaction Model for Hypertext p. 281
A Knowledge-Based System for Fault Diagnosis in Real-Time Engineering Applications p. 287
An Expert System to Support Mine Planning Operations p. 293
Knowledge Base Management Systems in the Field of High Energy Physics p. 299
A Meteorological Database for Numerical and Non-numerical Processing p. 305
An Implementation Model for Multidatabase Queries p. 309
Knowledge-Based Schema Analysis in a Multi-Database Framework p. 315
Atomicity of Global Transactions in Distributed Heterogeneous Database Systems p. 321
Application-Oriented Integration of Distributed Heterogeneous Knowledge Sources p. 327
Semantic Interpretation of Natural Language in PROLOG: Logical Forms p. 333
Map Summarization Using Analogical Matching of Schema p. 339
Goblin: A DBPL Designed for Advanced Database Applications p. 345
A Metamodel Approach for the Management of Multiple Models in CASE Tools p. 350
The Development of a Knowledge-Based Database Transaction Design Assistant p. 356
Integrity Constraint Enforcement Through Transaction Modification p. 362
Environmental Information Organization p. 368
Making C++ Object Persistent by Using a Standard Relational Database System p. 374
Relational Database Organization Based on Views and Fragments p. 380
A Dynamic Overwrite Protocol for Multiversion Concurrency Control Algorithms p. 387
A Temporal-Logic-Based Query Language for Querying Database Histories p. 393
Querying Incomplete Knowledge Bases with Abduction p. 400
On Estimating COUNT, SUM, and AVERAGE Relational Algebra Queries p. 406
Recursion with the Graphical Query Language CANDID p. 413
ADAMS: An Aggregate Data Management System with Multiple Interaction Techniques p. 419
Juridical Principles for Juridical Applications. The DERINFO Methodology p. 425
The Effect of Change on Legal Applications p. 436
An Expert Thesaurus for Ancient Law p. 442
Designing a Hypermedia Information System p. 449
Querying in a Large Hyperbase p. 455
InterSect: A General Purpose Hypertext System Based on an Object Oriented Database p. 459

Knowledge Base Support for Hypermedia Co-Authoring p. 465
Computer Supported Multimedia Environment for Collaboration p. 471
Expert Systems Development and Management, A Case Study p. 476
Protein Function Database as a Deductive and Object-Oriented Database p. 481
Relational Database Management System and a Main Memory Cache

Data Modelling for International Organizations p. 491
ISACS - An Integrated Surveillance and Control System p. 497
Constraint-Guided Scheduling for Satellite Data Processing and Archiving p. 501
Building Adaptive Applications Using Active Mediator p. 508
Hypertext for Hypertext: A Figured Thesaurus p. 514
GNEIS: A Portable Natural Language Explanation Component for Expert Systems p. 520
Spreadviews p. 525

End-User Interface to Improve Microcomputer DBMS Efficiency p. 531
Integration of Database and Hypertextual Technologies in Designing a Clinical Information System p. 537
RADES - Medical Assistance System for the Management of Irradiated Persons p. 543
Preparing Medical Knowledge for Diagnostic Expert Systems p. 553
Symbolic Computation in RL/1 p. 559
INEKS - An Information System for Medical Application p. 565

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.