Temporality in databases
On uncertainty and data-warehouse design
A data warehouse engineering process
Aggregation and analysis of spatial data by means of materialized aggregation tree
An object-oriented framework for reconciliation and extraction in heterogeneous data federations
On optimizing data access via materialized methods in object-oriented systems
Some modifications of bucket-based algorithms for query rewriting using views
A data mining application on air temperature database
Incremental association rule mining using materialized data mining views
Outlier effects on databases
Finding maximal similar paths between XML documents using sequential patterns
Using ontologies for collaborative information management: some challenges and ideas
The construction of domain ontology and its application to document retrieval
WetDL: a web information extraction language
Towards building knowledge centres on the world wide web
Navigation modelling from a user services oriented approach
Kreios: towards semantic interoperable systems
Adaptive architecture for web server survivability
Integration and maintenance of heterogeneous applications and data structures
A component language for hybrid solver cooperations
Non-interleaved quadtree node codification
Parameterized formatting of an XML document by XSL rules
A middleware approach to storing and querying XML documents in relational databases
On families of new adaptive compression algorithms suitable for time-varying source data
Text summarization and singular value decomposition
Sentence boundary detection in Turkish
Multiple sets of rules for text categorization
Zipf's law and Mandelbrot's constants for Turkish language using Turkish corpus (TurCo)
Letter based text scoring method for language identification
Parallel implementation of a VQ-based text-independent speaker identification
A distributed model of neuronal regulators based on message-driven software component architecture
Winsim: a tool for performance evaluation of parallel and distributed systems
Integrating distributed composite objects into Java environment
Content-based distribution for load sharing in locally clustered web servers
A study on grid partition for declustering high-dimensional data
Design and implementation of a real-time static locking protocol for main-memory database systems
Integrated querying of images by color, shape, and texture content of salient objects p. 363

Trajectory-based video retrieval for multimedia information systems p. 372
Using an exact radial basis function artificial neural network for impulsive noise suppression from highly distorted image databases p. 383
A histogram smoothing method for digital subtraction radiography p. 392
Efficient liver segmentation based on the spine p. 400
Practical and secure e-mail system (PractiSES) p. 410
A preprocessor adding security to and improving the performances of arithmetic and Huffman codings p. 420
Performance evaluation of digital audio watermarking techniques designed in time, frequency and cepstrum domains p. 430
A hybrid genetic algorithm for packing in 3D with deepest bottom left with fill method p. 441

Multi-objective genetic algorithm based clustering approach and its application to gene expression data p. 451
An application of support vector machine in bioinformatics : automated recognition of epileptiform patterns in EEG using SVM classifier designed by a perturbation method p. 462

Selection of optimal dimensionality reduction methods for face recognition using genetic algorithms p. 472
Performance comparison of genetic and differential evolution algorithms for digital FIR filter design p. 482
Kidney allocation expert system with case-based reasoning p. 489
Integrating AI and OR : an industrial engineering perspective p. 499
Framework for knowledge-based IS engineering p. 512
Modelling variability in requirements with maps p. 523
Kaliphimos : a community-based peer-to-peer group management scheme p. 533
On the application of WF-nets for checking hybrid IDEF0-IDEF3 business process models p. 543

Practical investigation into the maintainability of object-oriented systems for mission critical business p. 554
A new MAC protocol design for WATM networks p. 564
Fuzzy logic based congestion avoidance in TCP/AQM networks p. 575
Distributed group access control architecture for secure multicast p. 585
Virtual-IP zone algorithm in IP micro mobility environments p. 595
A network management approach for QoS evaluation of IP multimedia services p. 605

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