Invited Papers
The Implications of Web 2.0 on Web Information Systems p. 3
Developing Criteria for Successful Learning Repositories p. 8
The Growing Importance of e-Communities on the Web p. 19

Internet Technology
Design, Implementation and Testing of Mobile Agent Protection Mechanism for Manets p. 41

An Automatic Generation Method of Differential XSLT Stylesheet from Two XML Documents p. 53

Mining Architectural Patterns in Specific Contexts and Its Application to e-Finance p. 69

Knowledge Management for Adapted Information Retrieval in Ubiquitous Environments p. 84

Ontology-Based Integration of XML Data: Schematic Marks as a Bridge Between Syntax and Semantic Level p. 97

Extending an XML Mediator with Text Query p. 111

Instances Navigation for Querying Integrated Data from Web-Sites p. 125

Web Federates - Towards A Middleware for Highly Scalable Peer-to-Peer Services p. 138

Web Interfaces and Applications
Modeling Preferences Online p. 153

Efficient Information Access from Constraint Wireless Terminals: Exploiting Personalization and Location-Based Services p. 166

An Algorithm to Use Feedback on Viewed Documents to Improve Web Query: Enabling Naive Searchers to Search the Web Smartly p. 177

Web User Interaction: Comparison of Declarative Approaches p. 190

Enabling Vocal Interaction in a Web Portal Environment p. 204

M-FIRE: A Metaphor-Based Framework for Information Representation and Exploration p. 214

Towards a Data Quality Model for Web Portals: Research in Progress p. 228

Domain Ontologies: A Database-Oriented Analysis p. 238

Real-Time Discovery of Currently and Heavily Viewed Web Pages p. 255

Metamodelling the Requirements of Web Systems p. 267

Society, e-Business and e-Government
Efficient Management of Multi-version XML Documents for e-Government Applications p. 283

E-namoSupport: A Web-Based Helpdesk Support Environment for Senior Citizens p. 295

Analysis of Weblog Link Structure - A Community Perspective p. 307

e-Learning
The Autotutor 3 Architecture: A Software Architecture for an Expandable, High-Availability ITS p. 323

Redesigning Introductory Economics: Techno-Collaborative Learning p. 333

Teaching Database Analysis and Design in a Web-Based Constructivist Learning Environment p. 343

Is the Jury Still Out on "Blended Learning"? Use of a Web-Based Collaborative Teaching p. 355 Platform
A System for Automatic Evaluation of Programs for Correctness and Performance  p. 367
Usability and Instructional Experience in a Web-Based Remote Internetworking Laboratory Environment  p. 381
The VTIE Collaborative Writing Environment  p. 392
Participation in International Virtual Learning Communities: A Social Learning Perspective  p. 402
New Electronic Multi-media Assessment System  p. 414
Author Index  p. 421

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