Workshop on Intelligent Networked and Mobile Systems
Ontologies for Networked Systems (ONS)

A Framework for Semantic Grid Service Discovery p. 3
Toward a Formal Common Information Model Ontology p. 11
On Using Conceptual Modeling for Ontologies p. 22
MetaData Pro: Ontology-Based Metadata Processing for Web Resources p. 34
Service-Oriented Semantic Peer-to-Peer Systems p. 46
Towards Cross-Domain Security Properties Supported by Ontologies p. 58
Short Papers
Open Knowledge Exchange for Workforce Development p. 73
ShanghaiGrid Portal: The Current Stage of Building Information Grid Portal p. 82
Advances in Mobile Learning (AML)

Learning Communities Support by Mobile Systems Based on Peer-to-Peer Networks p. 89
A Context-Adaptive Model for Mobile Learning Applications p. 102
MobiLearn: An Open Approach for Structuring Content for Mobile Learning Environments p. 114

Smart Virtual Counterparts for Learning Communities p. 125
Design and Implementation of Mobile Class Web Site for Promoting Communication p. 135
A Personal Knowledge Assistant for Knowledge Storing, Integrating, and Querying p. 145
Short Papers
Facilitating Collaborative Learning in Virtual (and Sometimes Mobile) Environments p. 161

A Fundamental Web-Board System Toward the Adaptive Mobile School Web Site p. 167
Mobile Computer-Assisted Language Learning Courseware for Korean Language Learners p. 173

Workshop on Web Information Systems
Fragmentation Versus Integration - Perspective of the Web Information System Discipline (FIPWIS)
The Co-design Approach to WIS Development in E-business and E-learning Applications p. 181

Using KCPM for Defining and Integrating Domain Ontologies p. 190
Mobile Content Adaptation as an Optimisation Problem p. 201
Applying Database Semantics to the WWW p. 211
X-Square: A Hybrid Three-Dimensional Bitmap Indexing for XML Document Retrieval p. 221
An Economy-Based Accounting System for Grid Computing Environments p. 233
Web Services Quality (WQW)
QoS-Based Message-Oriented Middleware for Web Services p. 241
Incorporating QoS Specifications in Service Discovery p. 252
QoS Based Pricing for Web Services p. 264
Author Index p. 277

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