

Table of Contents

Invited Talk

Just Business – Shouldn't We Have Some Fun?	1
<i>H. Werthner; Italy</i>	

Web Software Development

An Object-Oriented Approach to Automate Web Applications Development.....	16
<i>O. Pastor, S. Abrahão, J. Fons; Spain</i>	
Tools for the Design of User Friendly Web Applications	29
<i>N.R. Brisaboa, M.R. Penabad, Á.S. Places, F.J. Rodríguez; Spain</i>	
EProMS: An E-commerce Based Process Model for Cooperative Software Development in Small Organisations	39
<i>A. Rashid, R. Chitichyan, A. Speck, E. Pulvermueller; United Kingdom, Germany</i>	

XML Transformation

Extracting Object-Oriented Database Schemas from XML DTDs Using Inheritance	49
<i>T.-S. Chung, S. Park, S.-Y. Han, H.-J. Kim; Korea</i>	
Creating XML Documents from Relational Data Sources	60
<i>C.M. Vittori, C.F. Dorneles, C.A. Heuser; Brazil</i>	
Composition of XML-Transformations.....	71
<i>J. Eder, W. Strametz; Austria</i>	

Electronic Payment

Classification and Characteristics of Electronic Payment Systems	81
<i>D. Abrazhevich; The Netherlands</i>	
An E-check Framework for Electronic Payment Systems in the Web Based Environment	91
<i>A.R. Dani , P. Radha Krishna; India</i>	

Simulation-, Case Studies

Trader-Supported Information Markets - A Simulation Study.....	101
<i>M. Christoffel, T. Franke, S. Kotkamp; Germany</i>	

An Integrated Framework of Business Models for Guiding Electronic
Commerce Applications and Case Studies 111
C.-C. Yu; Taiwan

Modelling, Design, and Complex Transactions

Models and Protocol Structures for Software Agent Based Complex
E-commerce Transactions 121
G. Wang, A. Das; Singapore

A Multidimensional Approach for Modelling and Supporting Adaptive
Hypermedia Systems 132
M. Cannataro, A. Cuzzocrea, A. Pugliese; Italy

Modelling the ICE Standard with a Formal Language for
Information Commerce 142
A. Wombacher, K. Aberer; Germany, Switzerland

Managing Web Data through Views 154
A.R. Arantes, A.H.F. Laender, P.B. Golgher, A.S. da Silva; Brazil

Security Aspects

Applied Information Security for m-Commerce and Digital Television
Environments 166
S. Katzenbeisser, P. Tomsich; Austria

Flexible Authentication with Multiple Domains of Electronic Commerce 176
K.-A. Chang, B.-R. Lee, T.-Y. Kim; Korea

An Asymmetric Traceability Scheme for Copyright Protection without Trust
Assumptions 186
E. Magkos, P. Kotzanikolaou, V. Chrissikopoulos; Greece

Electronic Negotiation, Trust

An Application Architecture for Supporting Interactive Bilateral Electronic
Negotiations 196
M. Rebstock; Germany

Strategies for Software Agent Based Multiple Issue Negotiations 206
D. Deschner, F. Lang, F. Bodendorf; Germany

Product Catalogs

Automatic Construction of Online Catalog Topologies 216
W.-K. Sung, D. Yang, S.-M. Yiu, W.-S. Ho, D. Cheung, T.-W. Lam; Hong Kong

A Two-Layered Integration Approach for Product Information in B2B E-commerce	226
<i>B. Omelayenko, D. Fensel; The Netherlands</i>	

A Visual One-Page Catalog Interface for Analytical Product Selection	240
<i>J. Lee, P. Wang, H.S. Lee; USA</i>	

Web Site Engineering

Engineering High Performance Database-Driven E-commerce Web Sites through Dynamic Content Caching	250
<i>W.-S. Li, K.S. Candan, W.-P. Hsiung, O. Po, D. Agrawal; USA</i>	

XML Enabled Metamodeling and Tools for Cooperative Information Systems.....	260
<i>C. Nicolle, K. Yétongnon; France</i>	

E-Speak - An XML Document Interchange Engine.....	270
<i>S. Graupner, W. Kim, A. Sahai, D. Lenkov; USA</i>	

User Behaviour

Feature Matrices: A Model for Efficient and Anonymous Web Usage Mining	280
<i>C. Shahabi, F. Banaei-Kashani, J. Faruque, A. Faisal; USA</i>	

Faceted Preference Matching in Recommender Systems.....	295
<i>F.N. Loney; USA</i>	

Pinpoint Web Searching and User Modeling on the Collaborative Kodama Agents.....	305
<i>T. Helmy, S. Amamiya, M. Amamiya; Japan</i>	

Business Models and System Aspects

Analyzing Workflow Audit Trails in Web-Based Environments with Fuzzy Logic.....	315
<i>G. Quirchmayr, B. List, A.M. Tjoa; Australia, Austria</i>	

Using Hypertext Composites in Structured Query and Search.....	326
<i>Z. Qiu, M. Hemmje, E.J. Neuhold; Germany</i>	

Categorizing Distribution Model Scenarios for Online Music	337
<i>W. Buhse; USA</i>	

Author Index	349
---------------------------	-----