

Table of Contents

Agile Model-Driven Modernization to the Service Cloud <i>Iva Krasteva, Stavros Stavru, and Sylvia Ilieva</i>	1
Ubiquitous System to Enhance the Supply Chain <i>Candido Caballero-Gil, Jezabel Molina-Gil, Pino Caballero-Gil, and Alexis Quesada-Arencibia</i>	10
Modding and Cloud Gaming: Business Considerations and Technical Aspects <i>Alexander Wohrer, Yuriy Kaniovskiy, and Maximilian Kobler</i>	14
Three-Tiered Data Mining for Big Data Patterns of Wireless Sensor Networks in Medical and Healthcare Domains <i>Jong Yoon</i>	18
A Novel Risk-based Approach for Online Community Management <i>Bassem Nasser, Vegard Engen, Simon Crowle, and Paul Walland</i>	25
Enforcing Data Availability in Structured Peer-to-Peer Storage Systems With Zero Replica Migration <i>Mesaac Makpangou</i>	31
Robust and Semi-automatic Electronic Health Record Dissemination Using the Devices Profile for Web Services <i>David Gregorczyk, Timm Busshaus, and Stefan Fischer</i>	38
Semantic Web Services Adaptation and Composition Method <i>Hamid Mcheick and Amel Hannech</i>	45
Towards a New Trust Model for Health Social Networks <i>Sojendra Pradhan and Valerie Gay</i>	52
A Web Service Migration Framework <i>M. Mohanned Kazzaz and Marek Rychly</i>	58
Web Service and Structure of University Data <i>Masaaki Ida</i>	63
A Visual Semantic Search Framework for Finding Craft Services <i>Maximilien Kintz and Andrea Horch</i>	69
A Requirements Model for Composite and Distributed Web Mashups <i>Vincent Tietz, Oliver Mross, Andreas Rumpel, Carsten Radeck, and Klaus Meissner</i>	75
An Approach to Dynamic Discovery of Context-Sensitive Web Services	83

<i>Victor Gomes da Silva, Carlos Eduardo Cirilo, Antonio Francisco do Prado, Wanderley Lopes de Souza, and Vinicius Pereira</i>	
A New Unsupervised Web Services Classification based on Conceptual Graphs <i>Eiman Boujarwah, Hamdi Yahyaoui, and Mohammed Almulla</i>	90
Enhancing Semantic Web Services Discovery Using Similarity of Contextual Profile <i>Zahira Chouiref, Abdelkader Belkhir, and Allel Hadjali</i>	95
Internet of Threads <i>Renzo Davoli</i>	100
A Complexity Analysis of an XML Update Framework <i>Mohammed Al-Badawi and Abdallah Al-Hamadani</i>	106
Portable Full-text Retrieval System <i>Takehiko Murakawa and Tatsuya Takehara</i>	114
Enabling End Users to Build Situational Collaborative Mashups at Runtime <i>Gregor Blichmann, Carsten Radeck, and Klaus Meissner</i>	120
Issues in Conducting Expert Validation and Review and User Evaluation of the Technology Enhanced Interaction Framework and Method <i>Kewalin Angkananon, Mike Wald, and Lester Gilbert</i>	124
Chord-Cube: Multiple Aspects Visualization & Navigation System for Music by Detecting Changes of Emotional Content <i>Tatsuki Imai and Shuichi Kurabayashi</i>	129
Compressing Large Size Files on the Web in MapReduce <i>Sergio De Agostino</i>	135
A Semantically Enriched E-Tendering Mechanism <i>Jingzhi Guo and Ka-Ieong Chan</i>	141
Social Query: A Query Routing System for Twitter <i>Cleyton Souza, Jonathas Magalhaes, Evandro Costa, and Joseana Fechine</i>	147
Using Chaos Theory to Investigate the Development Process of the Most Popular Blog <i>Kwoting Fang and Shu Chuan Wang</i>	154
Stigmergy within Web Modelling Languages: Positive Feedback Mechanisms <i>Aiden Dipple, Kerry Raymond, and Michael Docherty</i>	160

Incorporating Flow Theory to Technology Acceptance Model for Online Community Formation <i>Mayank Sharma, Pradeep Kumar, Bharat Bhasker, and Abhijit Bhattacharya</i>	167
Creativity Detection in Texts <i>Costin-Gabriel Chiru</i>	174
StreamQuilt: A Timeline-Aware Integration of Heterogeneous Web Streams <i>Riho Nakano and Shuichi Kurabayashi</i>	181
Designing Formulas for Creating a Healthcare Cloud Service Based on a Formula Calculation Platform Service <i>Xing Chen, Keiichi Shiohara, and Hikaru Tazumi</i>	187
RESTful Correlation and Consolidation of Distributed Logging Data in Cloud Environments <i>Christian Pape, Sven Reissmann, and Sebastian Rieger</i>	194
Synergic Data Extraction and Crawling for Large Web Sites <i>Celine Badr, Paolo Merialdo, and Valter Crescenzi</i>	200
Rethinking Traditional Web Interaction <i>Vincent Balat</i>	206
GuidedBased Usability Evaluation on Mobile Websites <i>Bahadir Dundar, Nejat Yumusak, and Samet Arsoy</i>	212
A New Technology to Adapt the Navigation <i>Rim Zghal, Corinne Amel Zayani, and Ikram Amous</i>	218
Optimal Malicious Agreement in a Virtual Subnet-based Cloud Computing Environment <i>Kuo-Qin Yan, Hsueh-Hsun Huang, Shu-Ching Wang, and Shun-Sheng Wang</i>	224
The Anatomy Study of Load Balancing in Cloud Computing Environment <i>Shu-Ching Wang, Ching-Wei Chen, Kuo-Qin Yan, and Shun-Sheng Wang</i>	230
Cross-Media Retrieval for Music by Analyzing Changes of Mood with Delta Function for Detecting Impressive Behaviours <i>Yoshiyuki Kato and Shuichi Kurabayashi</i>	236
Synote Discussion: Extending Synote to Support Threaded Discussions Synchronised with Recorded Videos <i>Mike Wald, Yunjia Li, Ea Draffan, James Brierley, Alyona Ivanova, Robert Streeting, and Matthew Tucker</i>	240
A Model-Driven Approach for Service Oriented Web 2.0 Mashup Development <i>Jose Luis Herrero Agustin, Pablo Carmona, and Fabiola Lucio</i>	246

Digital Badges in Informal Learning Environments <i>Bradley Barker</i>	252
A Mobile Learning App for Driving Lessons <i>Jezabel Molina-Gil, Candido Caballero-Gil, Pino Caballero-Gil, and Alexis Quesada-Arencibia</i>	256
Monitoring Activities in an E-Learning 2.0 Environment: A Multi-Agents system <i>Henda Belaid-Ajrout, Benedicte Talon, and Insaf Tnazefti-Kerkeni</i>	260
A Multi-agent System to Implement a Collaborative Learning Method <i>Hanaa Mazyad, Insaf Tnazefti-Kerkeni, and Henri Basson</i>	266