

Table of Contents

A Robust Scene Change Detection Using Mode Distribution in H.264 <i>Young-Suk Yoon, Won-Young Yoo, and Young-Ho Suh</i>	1
Towards an Agile E-Commerce <i>Daniela Wolff, Marc Schaaf, and Stella Gatzju Grivas</i>	5
Enabling High Performance Computing for Semantic Web Applications by Means of Open MPI Java Bindings <i>Alexey Cheptsov</i>	11
Ontological Representation of Knowledge Related to Building Energy-efficiency <i>German Nemirovski, Alvaro Sicilia, Fatima Galan, Marco Massetti, and Leandro Madrazo</i>	20
Ontology Search Engines: Overview and recommendations <i>Isabel Azevedo, Carlos Carvalho, and Eurico Carrapatoso</i>	28
Semantic Supply Chain Management <i>Katalin Ternai and Ildiko Szabo</i>	35
Semantics on the Cloud: Toward an Ubiquitous Business Intelligence 2.0 ERP Desktop <i>Diletta Romana Cacciagrano, Emanuela Merelli, Leonardo Vito, Andrea Sergiacomi, and Serena Carota</i>	42
Using DBPedia to Bootstrap new Linked Data <i>Alexiei Dingli and Silvio Abela</i>	48
Word Sense Disambiguation Based on Distance Metric Learning from Training Documents <i>Minoru Sasaki and Hiroyuki Shinnou</i>	54
Searching Documents with Semantically Related Keyphrases <i>Ibrahim Aygul, Nihan Cicekli, and Ilyas Cicekli</i>	59
Optimizing Geographical Entity and Scope Resolution in Texts Using Non-Geographical Semantic Information <i>Panos Alexopoulos and Carlos Ruiz</i>	65
Bi-Directional Ontology Updates Using Lenses <i>Andreas Textor</i>	71
Capturing Knowledge Representations Using Semantic Relationships An Ontology-based Approach <i>Ruben Costa, Paulo Figueiras, Luis Paiva, Ricardo Jardim-Goncalves, and Celson Lima</i>	75
Higher Education Qualification Evaluation	82

Ildiko Szabo

Consolidation of Linked Data Resources upon Heterogeneous Schemas 87
Aynaz Taheri and Mehrnoush Shamsfard

Strategies for Semantic Integration of Energy Data in Distributed Knowledge Bases 92
Alvaro Sicilia, Fatima Galan, and Leandro Madrazo

A Semantic Environmental GIS for Solid Waste Management 97
Miguel Felix Mata Rivera, Roberto Eswart Zagal Flores, Consuelo Varinia Garcia Mendoza, and Diana Gabriela Castro Frontana

Comparing a Rule-Based and a Machine Learning Approach for Semantic Analysis 103
Francois-Xavier Desmarais, Michel Gagnon, and Amal Zouaq

Hyponym Extraction from the Web based on Property Inheritance of Text and Image Features 109
Shun Hattori