

Table of Contents

| | |
|---|----|
| Numerical Groundwater Model Results as Linked Open Data <i>Xavier Almolda and Francisco Batlle</i> | 1 |
| Big Data for Demand Management Programs Designing for Colombia's Industrial Sector <i>Jairo Pineda Agudelo, Sandra Ximena Carvajal Quintero, and Daniela Valencia Lopez</i> | 5 |
| Scalable Traffic Video Analytics using Hadoop MapReduce <i>Vaithilingam Anantha Natarajan, Subbaiyan Jothilakshmi, and Venkat N Gudivada</i> | 11 |
| Data Management Issues in Big Data Applications <i>Venkat Gudivada, Subbaiyan Jothilakshmi, and Dhana Rao</i> | 16 |
| Big Data Solutions for Urban Environments a Systematic Review <i>Francisco Ribeiro, Felipe Ferraz, Maria Torres, and Gustavo Alexandre</i> | 22 |
| Big Data Analysis on Puerto Rico Testsite for Exploring Contamination Threats <i>Xiangyu Li, Leiming Yu, David Kaeli, Yuanyuan Yao, Poguang Wang, Roger Giese, and Akram Alshawabkeh</i> | 29 |
| Towards Big Business Process Mining <i>Badr Omair and Ahmed Emam</i> | 35 |
| Forecasting Hourly Electricity Demand in Egypt <i>Mohamed A. Ismail, Alyaa R. Zahran, and Eman M. Abd El-Metaal</i> | 42 |
| A Comparison of Classification Systems for Rule Sets Induced from Incomplete Data by Probabilistic Approximations <i>Patrick G. Clark and Jerzy W. Grzymala-Busse</i> | 46 |
| A Novel Framework to Describe Technical Accessibility of Open Data <i>Jolon Faichney and Bela Stantic</i> | 52 |
| RDF based Linked Open Data Management as a DaaS Platform <i>Seonho Kim, Ivan Berlocher, and Tony Lee</i> | 58 |
| Ontology Learning from Text <i>Abel Browarnik and Oded Maimon</i> | 62 |
| Applying Semantic Reasoning in Image Retrieval <i>Maaïke Heintje Trijntje de Boer, Laura Daniele, Paul Brandt, and Maya Sappelli</i> | 69 |

Plant Leaves Classification

75

Mohamed Elhadi Rahmani, Abdelmalek Amine, and Mohamed Reda Hamou

From Linguistic Resources to Medical Entity Recognition: a Supervised Morpho-syntactic Approach

81

Maria Pia di Buono, Alessandro Maisto, and Serena Pelosi