Contents

Introduction ................................................................. 1
   Alejandra González-Beltrán, Francesco Osborne, and Silvio Peroni

Extracting Knowledge from Research Publications

Knowledge Extraction and Modeling from Scientific Publications .......... 11
   Francesco Ronzano and Horacio Saggion

A Typology of Semantic Relations Dedicated to Scientific
Literature Analysis .......................................................... 26
   Kata Gábor, Haifa Zargayouna, Isabelle Tellier, Davide Buscaldi,
   and Thierry Charnois

Text Mining of Related Events from Natural Science Literature .............. 33
   Erwin Marsi and Pinar Özturk

From Papers to Triples: An Open Source Workflow for Semantic
Publishing Experiments ..................................................... 39
   Bahar Sateli and René Witte

OpenAIRE LOD Services: Scholarly Communication Data as Linked Data. . . 45
   Giorgos Alexiou, Sahar Vahdati, Christoph Lange,
   George Papastefanatos, and Steffen Lohmann

A Framework for Keyphrase Extraction from Scientific Journals .......... 51
   Vidas Daudaravicius

Building Scholarly Data Forest ........................................... 67
   Marko Požega, Dario Poljak, and Kristina Kocijan

Semantic Publishing Challenge: Bootstrapping a Value Chain
for Scientific Data ................................................................ 73
   Sahar Vahdati, Anastasia Dimou, Christoph Lange, and Angelo Di Iorio

Analysing Structured Scholarly Data Embedded in Web Pages .............. 90
   Pracheta Sahoo, Ujwal Gadiraju, Ran Yu, Sriparna Saha,
   and Stefan Dietze

Semantic Technologies for Citation and Topic Analysis

Citation Functions for Knowledge Export - A Question of Relevance,
or, Can CiTO Do the Trick? ............................................... 103
   Joakim Philipson
Semantic User Profiles: Learning Scholars’ Competences by Analyzing Their Publications .................................................. 113
   Bahar Sateli, Felicitas Löffler, Birgitta König-Ries, and René Witte

Detection of Embryonic Research Topics by Analysing Semantic Topic Networks .................................................. 131
   Angelo Antonio Salatino and Enrico Motta

Dynamic Visualization of Citation Networks Showing the Influence of Scholarly Fields over Time. .................................. 147
   Jason Portenoy and Jevin D. West

Author Index ................................................................. 153
Semantics, Analytics, Visualization. Enhancing Scholarly Data
Second International Workshop, SAVE-SD 2016, Montreal, QC, Canada, April 11, 2016, Revised Selected Papers
Gonzalez-Beltran, A.; Osborne, F.; Peroni, S. (Eds.)
2016, XII, 153 p. 39 illus., Softcover
ISBN: 978-3-319-53636-1