

# Table of Contents

## International Journal on Semantic Web and Information Systems

Volume 12 • Issue 3 • July-September-2016 • ISSN: 1552-6283 • eISSN: 1552-6291

*An official publication of the Information Resources Management Association*

### EDITORIAL PREFACE

- v Moving International Journal on Semantic Web and Information Systems toward a New Era of Contribution to Innovation and Sustainability  
Vision: Putting Together the Scientific Society, Academic Communities, Scholars, Researchers and Industry Executives and Policy Makers  
*Miltiadis D. Lytras, The American College of Greece, Athens, Greece*

### GUEST EDITORIAL PREFACE

- viii Special Issue on Dataset Profiling and Federated Search for Linked Data  
*Elena Demidova, WAIS Group, ECS, University of Southampton, Southampton, UK*  
*Stefan Dietze, L3S Research Center, Hannover, Germany*  
*John G. Breslin, Insight Centre for Data Analytics, NUI Galway, Galway, Ireland*  
*Julian Szymański, Gdansk University of Technology, Gdańsk, Poland*

### RESEARCH ARTICLES

- 1 Selectivity-Based Keyword Extraction Method  
*Slobodan Beliga, Department of Informatics, University of Rijeka, Rijeka, Croatia*  
*Ana Meštrović, Department of Informatics, University of Rijeka, Rijeka, Croatia*  
*Sanda Martinčić-Ipšić, Department of Informatics, University of Rijeka, Rijeka, Croatia*
- 27 Quantifying the Connectivity of a Semantic Warehouse and Understanding its Evolution over Time  
*Michalis Mountantonakis, Institute of Computer Science, FORTH-ICS, Iraklion, Greece & Computer Science Department, University of Crete, Heraklion, Greece*  
*Nikos Minadakis, Institute of Computer Science, FORTH-ICS, Iraklion, Greece*  
*Yannis Marketakis, Institute of Computer Science, FORTH-ICS, Iraklion, Greece*  
*Pavlos Fafalios, Institute of Computer Science, FORTH-ICS, Iraklion, Greece & Computer Science Department, University of Crete, Heraklion, Greece*  
*Yannis Tzitzikas, Institute of Computer Science, FORTH-ICS, Iraklion, Greece & Computer Science Department, University of Crete, Heraklion, Greece*
- 79 Hypermedia-Based Discovery for Source Selection Using Low-Cost Linked Data Interfaces  
*Miel Vander Sande, Data Science Lab, Ghent University - iMinds, Ghent, Belgium*  
*Ruben Verborgh, Data Science Lab, Ghent University - iMinds, Ghent, Belgium*  
*Anastasia Dimou, Data Science Lab, Ghent University - iMinds, Ghent, Belgium*  
*Pieter Colpaert, Data Science Lab, Ghent University - iMinds, Ghent, Belgium*  
*Erik Mannens, Data Science Lab, Ghent University - iMinds, Ghent, Belgium*
- 111 Towards An Objective Assessment Framework for Linked Data Quality: Enriching Dataset Profiles with Quality Indicators  
*Ahmad Assaf, EURECOM, London, UK*  
*Aline Senart, SAP Labs France, Mougins, France*  
*Raphaël Troncy, EURECOM, London, UK*
- 134 SPORTAL: Profiling the Content of Public SPARQL Endpoints  
*Ali Hasnain, INSIGHT Centre for Data Analytics, National University of Ireland, Galway, Ireland*  
*Kaiser Mehmood, INSIGHT Centre for Data Analytics, National University of Ireland, Galway, Ireland*  
*Syeda Sana e Zainab, INSIGHT Centre for Data Analytics, National University of Ireland, Galway, Ireland*  
*Aidan Hogan, Center for Semantic Web Research, Department of Computer Science, University of Chile, Santiago, Chile*

### Copyright

The **International Journal on Semantic Web and Information Systems (IJSWIS)** (ISSN 1552-6283; eISSN 1552-6291), Copyright © 2016 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The *International Journal on Semantic Web and Information Systems* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Burrelle's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); CSA Illumina; Current Contents®/Engineering, Computing, & Technology; DBLP; DEST Register of Refereed Journals; Gale Directory of Publications & Broadcast Media; GetCited; Google Scholar; INSPEC; Journal Citation Reports/Science Edition; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; Norwegian Social Science Data Services (NSD); Science Citation Index Expanded (SciSearch®); SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Thomson Reuters; Ulrich's Periodicals Directory; Web of Science