

Table of Contents

International Journal on Semantic Web and Information Systems

Volume 15 • Issue 1 • January-March-2019 • ISSN: 1552-6283 • eISSN: 1552-6291

An official publication of the Information Resources Management Association

Moving Semantic Web and Information Systems Research Forward:

Editorial Preface

v Miltiadis D. Lytras, The American College of Greece, Athens, Greece

Research Articles

- 1 **OnGIS: Geospatial Data Integration Using Semantic Technologies and Query Containment**
Marek Smid, Faculty of Electrical Engineering, Czech Technical University in Prague, Prague, Czech Republic
- 21 **Automatic Construction of OWL Ontologies From Petri Nets**
Zongmin Ma, Nanjing University of Aeronautics and Astronautics, Nanjing, China
Haitao Cheng, Nanjing University of Posts and Telecommunications, Nanjing, China
Li Yan, Nanjing University of Aeronautics and Astronautics, Nanjing, China
- 52 **Based on The Document-Link and Time-Clue Relationships Between Blog Posts to Improve the Performance of Google Blog Search**
Lin-Chih Chen, Department of Information Management, National Dong Hwa University, Hualien County, Taiwan
- 76 **A Preventive Approach for Consistent OWL 2 DL Ontology Versions**
Wassim Jaziri, University of Sfax, Taibah University
Leila Bayoudhi, Higher Institute of Computer and Multimedia of Sfax, Sfax, Tunisia
Najla Sassi, Higher Institute of Computer and Multimedia of Sfax, Sfax, Tunisia
- 102 **Ontology-Based Modeling of Effect-Based Knowledge in Disaster Response**
Leopoldo Santos Santos, Universidad de Alcalá de Henares, Henares, Spain
Miguel-Angel Sicilia, Alcalá de Henares University, Henares, Spain
Elena Garcia-Barriocanal, Alcalá de Henares University, Henares, Spain
- 119 **Bootstrapping of Semantic Relation Extraction for a Morphologically Rich Language: Semi-Supervised Learning of Semantic Relations**
Balaji Jagan, Anna University, Chennai, India
Ranjani Parthasarathi, Anna University, Chennai, India
T V Geetha, Anna University, Chennai, India

COPYRIGHT

The **International Journal on Semantic Web and Information Systems (IJSWIS)** (ISSN 1552-6283; eISSN 1552-6291), Copyright © 2019 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; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; Norwegian Social Science Data Services (NSD); SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Science Citation Index Expanded (SCIE)