Table of Contents

International Journal of Web Services Research

Volume 17 • Issue 4 • October-December-2020 • ISSN: 1545-7362 • eISSN: 1546-5004

Editorial Preface

iv Data Mashups and Service Composition Liang-Jie Zhang, Kingdee International Software Group Co. Ltd., Shenzhen, China

Research Articles

1 Towards Rank-Aware Data Mashups

Abdelhamid Malki, Ecole Superieure en Informatique de Sidi Bel Abbes, Algeria Sidi Mohammed Benslimane, Ecole Superieure en Informatique de Sidi Bel Abbes, Algeria Mimoun Malki, Ecole Superieure en Informatique de Sidi Bel Abbes, Algeria

15 Real-Time Weather Analytics: An End-to-End Big Data Analytics Service Over Apach Spark With Kafka and Long Short-Term Memory Networks

Lavanya K., VIT, Vellore, India Sathyan Venkatanarayanan, Indiana University, Bloomington, USA Anay Anand Bhoraskar, VIT, Vellore, India

32 Context-Aware Web Service Clustering and Visualization

Banage T. G. S. Kumara, Sabaragamuwa University of Sri Lanka, Sri Lanka Incheon Paik, University of Aizu, Japan Yuichi Yaguchi, University of Aizu, Japan

55 A Deep Q-Learning Network for Dynamic Constraint-Satisfied Service Composition

Xuezhi Yu, Hainan University, Haikou, China Chunyang Ye, Hainan University, Haikou, China Bingzhuo Li, Hainan University, Haikou, China Hui Zhou, Hainan University, Haikou, China Mengxing Huang, Hainan University, Haikou, China

COPYRIGHT

The International Journal of Web Services Research (IJWSR) (ISSN 1545-7362; eISSN 1546-5004), Copyright © 2020 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.

The International Journal of Web Services Research is indexed or listed in the following: ABI/Inform; 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; EBSCOhost's Library/Information Science & Technology Abstracts with FullTEXT; Gale Directory of Publications & Broadcast Media; GetCited; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; Norwegian Social Science Data Services (NSD); PubList.com; SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Citation Index Expanded (SCIE)