# Table of Contents

## International Journal of Web Services Research

**Volume 14 • Issue 3 • July-September-2017 • ISSN: 1545-7362 • eISSN: 1546-5004**

### An official publication of the Information Resources Management Association

### Special Issue on S2 ICIOT 2016

#### Editorial Preface

- **Liang-Jie Zhang**, Kingdee International Software Group Company Limited, Shenzhen, China  
- **Yutao Ma**, State Key Laboratory of Software Engineering, Wuhan University, Wuhan, China

#### Research Articles

1. **A Proactive Service Model Facilitating Stream Data Fusion and Correlation**  
   Yanbo Han, Beijing Key Laboratory on Integration and Analysis of Large-Scale Stream Data, North China University of Technology, Beijing, China  
   Cloud Computing Research Center, North China University of Technology, Beijing, China  
   Chen Liu, Beijing Key Laboratory on Integration and Analysis of Large-Scale Stream Data, North China University of Technology, Beijing, China  
   Cloud Computing Research Center, North China University of Technology, Beijing, China  
   Shen Su, Beijing Key Laboratory on Integration and Analysis of Large-Scale Stream Data, North China University of Technology, Beijing, China  
   Cloud Computing Research Center, North China University of Technology, Beijing, China  
   Meiling Zhu, Beijing Key Laboratory on Integration and Analysis of Large-Scale Stream Data, North China University of Technology, Beijing, China  
   Cloud Computing Research Center, North China University of Technology, Beijing, China & School of Computer Science and Technology, Tianjin University, Tianjin, China  
   Zhongmei Zhang, Beijing Key Laboratory on Integration and Analysis of Large-Scale Stream Data, North China University of Technology, Beijing, China  
   Cloud Computing Research Center, North China University of Technology, Beijing, China & School of Computer Science and Technology, Tianjin University, Tianjin, China  
   Shouli Zhang, Beijing Key Laboratory on Integration and Analysis of Large-Scale Stream Data, North China University of Technology, Beijing, China  
   Cloud Computing Research Center, North China University of Technology, Beijing, China & School of Computer Science and Technology, Tianjin University, Tianjin, China

17. **Privacy Protection for Data-Driven Smart Manufacturing Systems**  
   Kok-Seng Wong, School of Software, Soongsil University, Seoul, South Korea  
   Myung Ho Kim, School of Software, Soongsil University, Seoul, South Korea

33. **A Constrained Learning Approach to the Prediction of Reliability Ranking for WSN Services**  
   Wei Xiong, HuBei University of Arts and Science, Xiangyang, China  
   Zhao Wu, HuBei University of Arts and Science, Xiangyang, China  
   Bing Li, Wuhan University, Wuhan, China  
   Qiong Gu, HuBei University of Arts and Science, Xiangyang, China

53. **The Performance of Location Aware Shilling Attacks in Web Service Recommendation**  
   Min Gao, Key Laboratory of Dependable Service Computing in Cyber Physical Society, Ministry of Education, Changqing University, Chongqing, China & School of Software Engineering, Changqing University, Chongqing, China  
   Xiang Li, Key Laboratory of Dependable Service Computing in Cyber Physical Society, Ministry of Education, Changqing University, Chongqing, China  
   Xiang Li, Key Laboratory of Dependable Service Computing in Cyber Physical Society, Ministry of Education, Changqing University, Chongqing, China  
   Wenge Rong, School of Computer Science and Engineering, Shangqiang University, Beijing, China  
   Junhao Wen, Key Laboratory of Dependable Service Computing in Cyber Physical Society, Ministry of Education, Changqing University, Chongqing, China  
   Chongqing, China & School of Software Engineering, Changqing University, Chongqing, China  
   Qingyu Xiong, Key Laboratory of Dependable Service Computing in Cyber Physical Society, Ministry of Education, Changqing University, Chongqing, China  
   Chongqing, China & School of Software Engineering, Changqing University, Chongqing, China

67. **Distributed Top-K Join Queries Optimizing for RDF Datasets**  
   Jinguang Gu, College of Computer Science and Technology, Wuhan University of Science and Technology, Wuhan, China & Hubei Province Key Laboratory of Intelligent Information Processing and Real-Time Industrial System, Wuhan, China  
   Hao Dong, College of Computer Science and Technology, Wuhan University of Science and Technology, Wuhan, China & Hubei Province Key Laboratory of Intelligent Information Processing and Real-Time Industrial System, Wuhan, China  
   Zhao Liu, College of Computer Science and Technology, Wuhan University of Science and Technology, Wuhan, China & Hubei Province Key Laboratory of Intelligent Information Processing and Real-Time Industrial System, Wuhan, China  
   Fangfang Xu, College of Computer Science and Technology, Wuhan University of Science and Technology, Wuhan, China & Hubei Province Key Laboratory of Intelligent Information Processing and Real-Time Industrial System, Wuhan, China

### COPYRIGHT

The International Journal of Web Services Research (IJWSR) (ISSN 1545-7362; eISSN 1546-5004), Copyright © 2017 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 of Web Services Research is indexed or listed in the following: ABI/Inform; ACM Digital Library; Bacon’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); PubList.com; SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich’s Periodicals Directory; Web of Science (All Journals); Web of Science Citation Index Expanded (SCIE)