### **Table of Contents**

# International Journal of Service Science, Management, Engineering, and Technology

Volume 9 • Issue 2 • April-June-2018 • ISSN: 1947-959X • eISSN: 1947-9603

An official publication of the Information Resources Management Association

#### **Special Issue on Back Stage Techniques in Servitization**

#### **Guest Editorial Preface**

v Peter Geczy, National Institute of Advanced Industrial Science and Technology (AIST), Tokyo, Japan Robert Stahlbock, University of Hamburg, Hamburg, Germany Gary M. Weiss, Fordham University, New York City, NY, USA Mahmoud Abou-Nasr, Ford Motor Company, Dearborn, MI, USA David Baglee, University of Sunderland, Sunderland, UK Chris Bowerman, University of Sunderland, Sunderland, UK

#### **Research Articles**

#### 1 Efficient Approximation Algorithms for Minimum Dominating Sets in Social Networks

Traian Marius TrutaComputer Science Department, College of Informatics, Northern Kentucky University, Highland Heights, USA

Alina CampanComputer Science Department, College of Informatics, Northern Kentucky University, Highland Heights, USA

Matthew BeckerichComputer Science Department, College of Informatics, Northern Kentucky University, Highland Heights, USA

#### 33 Identification of Candidate Genes Responsible for Age-related Macular Degeneration using Microarray Data

Yuhan HaoFordham University, New York City, USA Gary M. WeissFordham University, New York City, USA Stuart M BrownNYU School of Medicine, New York City, USA

#### 61 Self-Organizing Map Convergence

Robert TatoianDepartment of Computer Science and Statistics, University of Rhode Island, Kingston, USA Lutz HamelDepartment of Computer Science and Statistics, University of Rhode Island, Kingston, USA

## 85 Improvement of Measurement Contribution for Asset Characterization in Complex Engineering Systems by an Iterative Methodology

Giulio D'EmiliaUniversity of L'Aquila, L'Aquila, Italy Antonella GaspariUniversity of L'Aquila, L'Aquila, Italy Diego Pascual GalarLulea University of Technology, Lulea, Sweden

#### 104 Internet of Things in Asset Management: Insights from Industrial Professionals and Academia

Sini-Kaisu KinnunenSchool of Business and Management, Lappeenranta University of Technology, Lappeenranta, Finland

Antti Ylä-KujalaSchool of Business and Management, Lappeenranta University of Technology, Lappeenranta, Finland

Salla Marttonen-ArolaFaculty of Engineering and Advanced Manufacturing, University of Sunderland, Sunderland, UK

Timo KärriSchool of Business and Management, Lappeenranta University of Technology, Lappeenranta, Finland David BagleeFaculty of Engineering and Advanced Manufacturing, University of Sunderland, Sunderland, UK

#### COPYRIGHT

The International Journal of Service Science, Management, Engineering, and Technology (IJSSMET) (ISSN 1947-959X; eISSN 1947-9603), Copyright © 2018 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 Service Science, Management, Engineering, and Technology is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; The Standard Periodical Directory; Ulrich's Periodicals Directory