

# International Journal of Systems and Service- Oriented Engineering

April-June 2014, Vol. 4, No. 2

## Table of Contents

### SPECIAL ISSUE ON CLOUD SYSTEMS AND SERVICES

#### GUEST EDITORIAL PREFACE

- iv *Dickson K.W. Chiu, The University of Hong Kong, Hong Kong*  
*Ziawen Feng, Wuhan University, Wuhan, China*  
*Yi Zhuang, Zhejiang Gongshang University, Zhejiang, China*

#### RESEARCH ARTICLES

- 1 **A Holistic Trust Management Leasing Algorithm for IaaS Cloud**  
*Hemant Kumar Mehta, School of Computer Science and IT, Devi Ahilya University, Indore, India*  
*Rohit Ahuja, School of Computer Science and IT, Devi Ahilya University, Indore, India*
- 13 **SOAda: A New Architecture to Enrich SOA with a Decisional Aspect**  
*Fatima Boumahdi, LRDSI Laboratory, Saad Dahlab University, Soumaa, Blida, Algeria*  
*Rachid Chalal, Laboratory LMCS, ESI (ex: INI), Wadi-Smar, Algiers, Algeria*
- 28 **Adaptive Virtual Machine Management in the Cloud: A Performance-Counter-Driven Approach**  
*Gildo Torres, Department of Electrical and Computer Engineering, Clarkson University, Potsdam, NY, USA*  
*Chen Liu, Department of Electrical and Computer Engineering, Clarkson University, Potsdam, NY, USA*
- 44 **Resource Scheduling Techniques in Utility Computing: A Survey**  
*Inderveer Chana, Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India*  
*Tarandeep Kaur, Computer Science and Engineering Department, Thapar University, Patiala, Punjab, India*

#### Copyright

The **International Journal of Systems and Service-Oriented Engineering (IJSSOE)** (ISSN 1947-3052; eISSN 1947-3060), Copyright © 2014 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 Systems and Service-Oriented Engineering* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; INSPEC; JournalTOCs; MediaFinder; The Standard Periodical Directory; Ulrich's Periodicals Directory