Table of Contents

International Journal of Web Services Research
Volume 13 • Issue 4 • October-December-2016 • ISSN: 1545-7362 • eISSN: 1546-5004
An official publication of the Information Resources Management Association

Guest Editorial Preface

Special Issue on Big Data Applications
J. Octavio Gutierrez-Garcia, Department of Computer Science, Instituto Tecnológico Autónomo de México, Mexico City, Mexico
Víctor M. González, Department of Computer Science, Instituto Tecnológico Autónomo de México, Mexico City, Mexico
Patrick C. K. Hung, Faculty of Business and Information Technology, University of Ontario Institute of Technology, Oshawa, Canada

Research Articles

1 Minimum Data Base Determination using Machine Learning
Angel Fernando Kuri-Morales, Departamento de Computación, Instituto Tecnológico Autónomo de México, Mexico City, Mexico

19 A Big Data Test-bed for Analyzing Data Generated by an Air Pollution Sensor Network
Lídice García Ríos, Instituto Tecnológico Autónomo de México, Mexico City, Mexico
José Alberto Incera Diéguez, Instituto Tecnológico Autónomo de México, Mexico City, Mexico

36 Babel: The Construction of a Massive Storage System
Moisés Quezada-Naquid, Department of Electrical Engineering, UAM-Iztapalapa, Mexico City, Mexico
Ricardo Marcelín-Jiménez, Department of Electrical Engineering, UAM-Iztapalapa, Mexico City, Mexico & Centro Público de Información y Documentación para la Industria (INFOTEC), Mexico City, Mexico
José Luis González-Compeán, LTI-CINVESTAV, Cd. Victoria, Mexico

54 Understanding Human Behavior in Urban Spaces using Social Network Data: A Mobility Graph Approach
Victor R. Martinez, Signal Analysis and Interpretation Lab, University of Southern California, Los Angeles, CA, USA & Department of Computer Science, ITAM, Mexico City, Mexico
Miguel A. Escalante, Department of Applied Mathematics, ITAM, Mexico City, Mexico
Mariano Beguerisse-Díaz, Department of Mathematics, Imperial College London, London, UK
Elmer Garduño, Sinnia, Mexico City, Mexico

67 A Study on Online Social Networks Theme Semantic Computing Model
Chen Fu, Department of Computer Science, Beijing Foreign Studies University, Beijing, China
Xu Yuemei, Department of Computer Science, Beijing Foreign Studies University, Beijing, China
Ni Yihan, Department of Computer Science, Beijing Foreign Studies University, Beijing, China

Copyright

The International Journal of Web Services Research (IJWSR) (ISSN 1545-7362; eISSN 1546-5004), Copyright © 2016 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.