# **Table of Contents**

## International Journal of Knowledge and Systems Science

Volume 8 • Issue 4 • October-December-2017 • ISSN: 1947-8208 • eISSN: 1947-8216 An official publication of the Information Resources Management Association

### **Research Articles**

- 1 An Ontology Based Tour Design Support to Extend Tourist's Cultural Interest Krich Nasingkun, JAIST/SIIT/NECTEC, Prathumthani, Thailand Gun Srijuntongsiri, Sirindhorn International Institute of Technology, Thammasat University, Khlong Nung, Thailand Thepchai Supnithi, National Electronics and Computer Technology Center, Prathumthani, Thailand Mitsuru Ikeda, Japan Advanced Institute of Science and Technology, Nomi, Japan
- 17 A New Approach Using Hidden Markov Model and Bayesian Method for Estimate of Word Types in Text Mining

Adem Doganer, Biostatistics and Medical Informatics, Kahramanmaras Sutcu Imam University, Kahramanmaras, Turkey

Sinan Calik, Firat University, Elazig, Turkey

#### 30 A Novel Hybridization of ARIMA, ANN, and K-Means for Time Series Forecasting

Warut Pannakkong, School of Knowledge Science, Japan Advanced Institute of Science and Technology, Nomi, Japan

Van-Hai Pham, Pacific Ocean University, Nha Trang, Vietnam

Van-Nam Huynh, School of Knowledge Science, Japan Advanced Institute of Science and Technology, Nomi, Japan

#### 54 Toward Understanding Dynamic Behavior in Abstract Machines

Sabah Al-Fedaghi, Computer Engineering Department, Kuwait University, Safat, Kuwait

#### COPYRIGHT

The International Journal of Knowledge and Systems Science (IJKSS) (ISSN 1947-8208; eISSN 1947-8216), 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 Knowledge and Systems Science is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; SCOPUS; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)