

# International Journal of Operations Research and Information Systems

July-September 2014, Vol. 5, No. 3

## Table of Contents

### SPECIAL ISSUE ON APPLIED OPTIMIZATION AND COMPUTING

#### GUEST EDITORIAL PREFACE

- iv *Angel A. Juan, Department of Computer Science, Multimedia and Telecommunication, Open University of Catalonia, Barcelona, Spain*  
*Javier Faulin, Department of Statistics & Operations Research, Public University of Navarre, Pamplona, Spain*  
*Tolga Bektas, University of Southampton, Southampton, UK*  
*Carlos A. Méndez, Institute of Technological Development for the Chemical Industry, National University of Litoral, Santa Fe, Argentina*

#### RESEARCH ARTICLES

- 1 **Robust Optimization Model for Runway Configurations Management**  
*Rui Zhang, Department of Decision, Operations and Information Technologies, University of Maryland, College Park, MD, USA*  
*Rex Kincaid, Department of Mathematics, The College of William & Mary, Williamsburg, VA, USA*
- 27 **Efficient Multiple Attribute Group Decision Making Models with Correlation Coefficient of Vague Sets**  
*John Robinson, P, PG & Research Department of Mathematics, Bishop Heber College, Tiruchirappalli, India*  
*Henry Amirtharaj, E.C., PG & Research Department of Mathematics, Bishop Heber College, Tiruchirappalli, India*
- 50 **Solving Large Distribution Problems in Supply Chain Networks by a Column Generation Approach**  
*Rodolfo G. Dondo, National University of Litoral, Institute of Technological Development for the Chemical Industry, Santa Fe, Argentina*  
*Carlos A. Mendez, Instituto Nacional University of Litoral, Institute of Technological Development for the Chemical Industry, Santa Fe, Argentina*
- 81 **Wind-Thermal Integrated Power System Scheduling Problem Using Cuckoo Search Algorithm**  
*K. Chandrasekaran, Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli, India*  
*Sishaj P. Simon, Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli, India*

#### Copyright

The **International Journal of Operations Research and Information Systems (IJORIS)** (ISSN 1947-9328; eISSN 1947-9336), 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 Operations Research and Information Systems* is indexed or listed in the following: Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; IAOR Online; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; The Standard Periodical Directory; Ulrich's Periodicals Directory