

# International Journal of Applied Metaheuristic Computing

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

## Table of Contents

### RESEARCH ARTICLES

- 1 **Exterior Path Relinking for Zero-One Optimization**  
*Fred Glover, ECEE, School of Engineering & Science, University of Colorado, Boulder, CO, USA*
- 9 **A Fuzzy Model with Thermodynamic Based Consequents and a Niching Swarm-Based Supervisor to Capture the Uncertainties of Damavand Power System**  
*Ahmad Mozaffari, Systems Design Engineering Department, University of Waterloo, Kitchener, Canada  
Moein Mohammadpour, Department of Mechanical Engineering, Babol University of Technology, Babol, Iran  
Alireza Fathi, Department of Mechanical Engineering, Babol University of Technology, Babol, Iran  
Mofid Gorji-Bandpy, Department of Mechanical Engineering, Babol University of Technology, Babol, Iran*
- 23 **LeafcutterAnt Colony Optimization Algorithm for Feature Subset Selection on Classifying Digital Mammograms**  
*Abubacker Kaja Mohideen, Department of Applied Mathematics and Computational Sciences, PSG College of Technology, Coimbatore, Tamil Nadu, India  
Kuttiannan Thangavel, Department of Computer Science, Periyar University, Salem, Tamil Nadu, India*
- 44 **The Relationship between Metaheuristics Stopping Criteria and Performances: Cases of NSGA-II and MOPSO-CD for Sustainable Peach Fruit Design**  
*Mohamed-Mahmoud Ould Sidi, UR 1115 Plantes et Systèmes de Culture Horticoles, Institut National de la Recherche Agronomique (INRA), Avignon, France  
Bénédicte Quilot-Turion, UR 1052 Génétique et Amélioration des Fruits et Légumes, Institut National de la Recherche Agronomique (INRA), Montfavet, France  
Abdeslam Kadrani, Mathematics and Operation Research, Institut National de Statistique et Economie Appliquée (INSEA), Rabat, Morocco  
Michel Génard, UR 1115 Plantes et Systèmes de Culture Horticoles, Institut National de la Recherche Agronomique (INRA), Avignon, France  
Françoise Lescourret, UR 1115 Plantes et Systèmes de Culture Horticoles, Institut National de la Recherche Agronomique (INRA), Avignon, France*

### Copyright

The **International Journal of Applied Metaheuristic Computing (IJAMC)** (ISSN 1947-8283; eISSN 1947-8291), 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 Applied Metaheuristic Computing* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; DBLP; Google Scholar; INSPEC; JournalTOCs; MediaFinder; The Standard Periodical Directory; Ulrich's Periodicals Directory