

# International Journal of Applied Evolutionary Computation

October-December 2014, Vol. 5, No. 4

## Table of Contents

### RESEARCH ARTICLES

- 1 **Optimal Kernel and Wavelet Coefficients to Support Vector Regression Model and Wavelet Neural Network for Time Series Rainfall Prediction**  
*B. Kavitha Rani, Jyothishmathi Institute of Technology and Science, Karimnagar, India*  
*A. Govardhan, Department of Computer Science and Engineering, Jawaharlal Nehru Technological University, Hyderabad, India*
- 22 **A Hybrid Algorithm for Optimization of Machine Vision Based Tool Position Error**  
*Prasant Kumar Mahapatra, CSIR-Central Scientific Instruments Organisation, Chandigarh, India*  
*Anu Garg, CSIR-Central Scientific Instruments Organisation, Chandigarh, India and Department of Applied Physics, Guru Jambheshwar University of Science and Technology, Hisar, India*  
*Amod Kumar, CSIR-Central Scientific Instruments Organisation, Chandigarh, India*
- 34 **A Straightforward Approach to Estimate the Abnormal Return in Taiwan**  
*Shih-Yung Wei, Academy of Finance Research, Wenzhou University, Zhejiang, China*  
*Nan-Yu Chu, Department of Land Management, Feng Chia University, Taichung, Taiwan*  
*Wei-Chiang Hong, Department of Information Management, Oriental Institute of Technology, New Taipei, Taiwan*
- 44 **The Impact of Defense Investment on Economic Growth in the Perspective of Time Series: A Case Study of China**  
*Bin Pan, Academy of Finance Research, Wenzhou University, Zhejiang, China*  
*Shih-Yung Wei, Academy of Finance Research, Wenzhou University, Zhejiang, China*  
*Xuanhua Xu, School of Business, Central South University, Changsha, China*  
*Wei-Chiang Hong, Department of Information Management, Oriental Institute of Technology, New Taipei, Taiwan*
- 59 **A Novel DE-PSO-DE (DPD) Algorithm for Economic Load Dispatch Problem**  
*Kedar Nath Das, Department of Mathematics, National Institute of Technology, Silchar, India*  
*Raghav Prasad Parouha, Department of Mathematics, National Institute of Technology, Silchar, India*

### Copyright

The **International Journal of Applied Evolutionary Computation (IJAEC)** (ISSN 1942-3594; eISSN 1942-3608), 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 Evolutionary Computation* 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