

Table of Contents

International Journal of Applied Metaheuristic Computing

Volume 7 • Issue 2 • April-June-2016 • ISSN: 1947-8283 • eISSN: 1947-8291

An official publication of the Information Resources Management Association

Research Articles

- 1 **Performance Analysis of Multiple FEC Channel Coding Algorithms for Software Defined Radio Using Quadrature Amplitude Modulation**
Nikhil Marriwala, Electronics and Communication Engineering Department, UIET, Kurukshetra University, Kurukshetra, India
O. P. Sahu, Electronics and Communication Engineering Department, NIT Kurukshetra, Kurukshetra, India & Kurukshetra University, Kurukshetra, India
Anil Vohra, Electronics Science Department, Kurukshetra University, Kurukshetra, India
- 16 **A New Approach for Analyzing the Performance of the WiMAX Networks based on QoS Traffic Prediction Routing Protocol using Gene Expression Programming**
J. Sangeetha, Department of Information Science and Engineering, PESIT, Bangalore, India
Keerthiraj Nagaraj, Department of Electronics and Communication Engineering, PESIT, India
K. N. Balasubramanya Murthy, PES University, Bangalore, India
Ram P. Rustagi, Department of Information Science and Engineering, PESIT, Bangalore, India
- 39 **An Adaptive Second Order Neural Network with Genetic-Algorithm-based Training (ASONN-GA) to Forecast the Closing Prices of the Stock Market**
Sarat Chandra Nayak, Department Computer Science Engineering and Information Technology, Veer Surendra Sai University of Technology, Burla, India
Bijan Bihari Misra, Department of Information Technology, Silicon Institute of Technology, Bhubaneswar, India
Himansu Sekhar Behera, Veer Surendra Sai University of Technology, Burla, India
- 58 **Pe-DFA: Penguins Search Optimisation Algorithm for DNA Fragment Assembly**
Youcef Gheraibia, Department of Computer Science and Mathematics, University of Mohammed Cherif Messaadia, Souk Ahras, Algeria and Department of Computer Science, University of Badji Mokhtar, Annaba, Algeria
Abdelouahab Moussaoui, Department of Computer Science, University of Ferhat Abaas, Setif, Algeria
Sohag Kabir, Department of Computer Science, University of Hull, Hull, UK
Smaine Mazouzi, Department of Computer Science, University of Skikda, Skikda, Algeria

COPYRIGHT

The **International Journal of Applied Metaheuristic Computing (IJAMC)** (ISSN 1947-8283; eISSN 1947-8291), 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.

The *International Journal of Applied Metaheuristic Computing* 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