

Table of Contents

International Journal of Swarm Intelligence Research

Volume 8 • Issue 2 • April-June-2017 • ISSN: 1947-9263 • eISSN: 1947-9271

An official publication of the Information Resources Management Association

Guest Editorial Preface

v Special Issue from 2015 Brazilian Congress on Computational Intelligence: Swarm Intelligence Highlights

Carmelo J.A. Bastos-Filho, Polytechnic School of Pernambuco, University of Pernambuco (UPE), Recife, Brazil

Research Articles

1 Distribution Systems Reconfiguration for Voltage Stability Maximization by using Artificial Immune Systems

Ewerton L. Ferreira, Federal University of Juiz de Fora (UFJF), Juiz de Fora, Brazil

Leonardo W. de Oliveira, Federal University of Juiz de Fora (UFJF), Juiz de Fora, Brazil

17 Reconstruction of Electrical Impedance Tomography Using Fish School Search, Non-Blind Search, and Genetic Algorithm

Valter A. F. Barbosa, Departamento de Engenharia Biomédica, Universidade Federal de Pernambuco, Recife, Brazil

Reiga R. Ribeiro, Departamento de Engenharia Biomédica, Universidade Federal de Pernambuco, Recife, Brazil

Allan R. S. Feitosa, Departamento de Engenharia Biomédica, Universidade Federal de Pernambuco, Recife, Brazil

Victor L. B. A. Silva, Escola Politécnica da Universidade de Pernambuco, POLI-UPE, Recife, Brazil

Arthur D. D. Rocha, Escola Politécnica da Universidade de Pernambuco, POLI-UPE, Recife, Brazil

Rafaela C. Freitas, Escola Politécnica da Universidade de Pernambuco, POLI-UPE, Madalena, Recife, Brazil

Ricardo E. Souza, Departamento de Engenharia Biomédica, Universidade Federal de Pernambuco, Recife, Brazil

Wellington P. Santos, Departamento de Engenharia Biomédica, Universidade Federal de Pernambuco, Recife, Brazil & Escola Politécnica da Universidade de Pernambuco, POLI-UPE, Recife, Brazil

34 Tracking Patterns with Particle Swarm Optimization and Genetic Algorithms

Yuri Marchetti Tavares, Brazilian Navy, Rio de Janeiro, Brazil

Nadia Nedjah, Universidade do Estado do Rio de Janeiro, Rio de Janeiro, Brazil

Luiza de Macedo Mourelle, Universidade do Estado do Rio de Janeiro, Rio de Janeiro, Brazil

50 Artificial Bee Colony Optimization for Feature Selection of Traffic Sign Recognition

Diogo L. da Silva, Polytechnic School of Pernambuco, University of Pernambuco (UPE), Recife, Brazil & Federal Institute of Pernambuco (IFPE), Palmares, Brazil

Leticia M. Seijas, Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Buenos Aires, Argentina

Carmelo J. A. Bastos-Filho, Polytechnic School of Pernambuco, University of Pernambuco (UPE), Recife, Brazil

COPYRIGHT

The **International Journal of Swarm Intelligence Research (IJSIR)** (ISSN 1947-9263; eISSN 1947-9271), 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 Swarm Intelligence Research* 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; Web of Science Emerging Sources Citation Index (ESCI)