

INTERNATIONAL JOURNAL OF ENERGY OPTIMIZATION AND ENGINEERING

April-June 2013, Vol. 2, No. 2

Table of Contents

RESEARCH ARTICLES

- 1 **FACTS Devices Allocation for Power Transfer Capability Enhancement and Power System Losses Reduction**
Peerapol Jirapong, Department of Electrical Engineering, Faculty of Engineering, Chiang Mai University, Muang District, Chiang Mai, Thailand
- 15 **ENERGY OPTIMIZATION OF POWER STATION FOR A SMALL RESEARCH INSTITUTE**
Vincent Anayochukwu Ani, Department of Electronic Engineering, University of Nigeria, Nsukka, Enugu State, Nigeria
- 32 **TUNING OF POWER SYSTEM STABILIZER (UNITROL D) IN BENGHAZI NORTH POWER PLANT**
T. Hussein, Faculty of Engineering, University of Benghazi, Benghazi, Libya
- 44 **Cost Minimization of Power Delivery Systems by Optimal Power Generation from Distributed Energy Resources Using Real Valued Cultural Algorithm**
*Trina Som, Department of Power Engineering, Jadaoipur University, Salt Lake Campus, Kolkata, West Bengal, India
Niladri Chakraborty, Department of Power Engineering, Jadaoipur University, Salt Lake Campus, Jadaoipur University, Salt Lake Campus, Kolkata, West Bengal, India*
- 62 **Solving the Mixed Backhauling Vehicle Routing Problem with Ants**
*Niaz A. Wassan, Center for Logistics and Heuristics Optimization, Kent Business School, University of Kent, Canterbury, Kent, UK
Saïd Salhi, Center for Logistics and Heuristics Optimization, Kent Business School, University of Kent, Canterbury, Kent, UK
Gábor Nagy, Center for Logistics and Heuristics Optimization, Kent Business School, University of Kent, Canterbury, Kent, UK
Naveed Wassan, Center for Logistics and Heuristics Optimization, Kent Business School, University of Kent, Canterbury, Kent, UK
Anne C. Wade, BAE Systems, Insyte, Filton, UK*

Copyright

The *International Journal of Energy Optimization and Engineering* (ISSN 2160-9500; eISSN 2160-9543). Copyright © 2013 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 Energy Optimization and Engineering* is currently listed or indexed in: Bacon's Media Directory; Cabell's Directories; Google Scholar; IAOR Online; IndexCopernicus; INSPEC; JournalTOCs; MediaFinder; RePEC; The Standard Periodical Directory; Ulrich's Periodicals Directory