

Table of Contents

International Journal of Energy Optimization and Engineering

Volume 5 • Issue 1 • January-March-2016 • ISSN: 2160-9500 • eISSN: 2160-9543

An official publication of the Information Resources Management Association

Research Articles

- 1 **Voltage Stability Index of Radial Distribution Networks by Considering Distributed Generator for Different Types of Loads**
Tapan Kumar Chattopadhyay, Electrical Engineering Department, Dr. BC Roy Engineering College, Durgapur, India
Sumit Banerjee, Electrical Engineering Department, Dr. BC Roy Engineering College, Durgapur, India
Chandan Kumar Chanda, Electrical Engineering Department, Indian Institute of Engineering Science and Technology, Howrah, India

- 23 **Cuckoo Search Algorithm for Minimization of Power Loss and Voltage Deviation**
Dung A. Le, Department of Power Systems, Ho Chi Minh City University of Technology, Ho Chi Minh City, Vietnam
Dieu N. Vo, Department of Power Systems, Ho Chi Minh City University of Technology, Ho Chi Minh City, Vietnam

- 35 **A Power Management Strategy for Hybrid Photovoltaic Diesel System with Battery Storage**
Taoufik Ben Mohamed el Harry Mhamdi, Higher Institute of Technological Studies, Kasserine, Tunisia
Sbita Lassad, Department of Electrical and Control Engineering, National Engineering School of Gabes, Gabes, Tunisia

- 48 **Solar PV Residential Grid-Tie System for Optimizing Installation and Performance**
Michael White, A. Leon Linton Department of Mechanical Engineering, Lawrence Technological University, Southfield, MI, USA
Ahad Ali, A. Leon Linton Department of Mechanical Engineering, Lawrence Technological University, Southfield, MI, USA

COPYRIGHT

The **International Journal of Energy Optimization and Engineering (IJE OE)** (ISSN 2160-9500; eISSN 2160-9543), 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 Energy Optimization and Engineering* is indexed or listed in the following: Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; IAOR Online; IndexCopernicus; INSPEC; JournalTOCs; MediaFinder; RePEc; The Standard Periodical Directory; Ulrich's Periodicals Directory