



Journal of Power and Energy Engineering



Journal Editorial Board

ISSN Print: 2327-588X ISSN Online: 2327-5901

http://www.scirp.org/journal/jpee

Editor-in-Chief

Prof. Elias K. Stefanakos University of South Florida, USA

Editorial Board

Dr. Roberto CapataUniversity of Roma "Sapienza", Italy

Prof. Wei-Hsin ChenNational Cheng Kung University, Chinese TaipeiDr. Chun-Hu ChengNational Taiwan Normal University, Chinese TaipeiDr. Smith Eiamsa-ardMahanakorn University of Technology, Thailand

Prof. D. Yogi Goswami University of South Florida, USA

Prof. Zhongjie HuanTshwane University of Technology, South AfricaDr. Freddie Liswaniso InambaoUniversity of KwaZulu-Natal Durban, South Africa

Prof. Nnenesi A. Kgabi Polytechnic of Namibia, Namibia

Prof. Ching-Fuh LinNational Taiwan University, Chinese Taipei

Prof. Rodolfo Dufo LópezUniversity of Zaragoza, SpainProf. Elham B. MakramClemson University, USA

Prof. George Papadakis Agricultural University of Athens, Greece

Dr. Elias Papanicolaou Solar & Other Energy Systems Laboratory Attiki, Greece

Dr. Raul Rabinovici Ben-Gurion University of the Negev, Israel

Prof. M. Ramamoorty K L University, India

Dr. Manuel RomeroIMDEA Energy Institute, SpainDr. Ravi S. SrinivasanUniversity of Florida, USADr. Vittorio VerdaPolitecnico di Torino, Italy

Prof. Valery Vodovozov Tallinn University of Technology, Estonia

Prof. Nikolai Voropai Energy Systems Institute of Russian Academy of Sciences, Russia

Prof. Chao Xu North China Electric Power University, China

Dr. Wenxian YangNewcastle University, UKDr. Xiaowei ZhouNorthwestern University, USA



ISSN Online: 2327-5901 ISSN Print: 2327-588X

Table of Contents

Volume 6 Number 7 **July 2018** Exergy Efficiency and Environmental Impact of Electricity of a 620 MW-Natural Gas **Combined Cycle** Estimation of Methane Emission from Kossihouen Sanitary Landfill and Its Electricity Generation Potential (Côte d'Ivoire) Design and Performance of Photovoltaic Water Pumping Systems: Comprehensive Review towards a Renewable Strategy for Mozambique Study on the Relationship between Economic Growth and Water Pollution in Jiangxi Province—Based on ARDL Model PI Multi-Objective Genetic for LFC Based Different Wind Penetration G. El-Saady, E.-N. A. Ibrahim, A. A. Donkol.

Journal of Power and Energy Engineering (JPEE) Journal Information

SUBSCRIPTIONS

The *Journal of Power and Energy Engineering* (Online at Scientific Research Publishing, www.SciRP.org) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$39 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright and reuse rights for the front matter of the journal:

Copyright © 2018 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

http://creativecommons.org/licenses/by/4.0/

Copyright for individual papers of the journal:

Copyright © 2018 by author(s) and Scientific Research Publishing Inc.

Reuse rights for individual papers:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

Disclaimer of liability

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: jpee@scirp.org

Call for Papers

Journal of Power and Energy Engineering

ISSN Print: 2327-588X ISSN Online: 2327-5901 http://www.scirp.org/journal/jpee

Journal of Power and Energy Engineering (JPEE) is an international journal dedicated to the latest advancement of power and energy engineering. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of power and energy engineering.

Editor-in-Chief

Prof. Elias K. Stefanakos University of South Florida, USA

Editorial Board

Dr. Roberto Capata Prof. Wei-Hsin Chen Dr. Chun-Hu Cheng Dr. Smith Eiamsa-ard Prof. D. Yogi Goswami Prof. Zhongjie Huan

Dr. Freddie Liswaniso Inambao

Prof. Nnenesi A. Kgabi

Prof. Ching-Fuh Lin Prof. Rodolfo Dufo López Prof. Elham B. Makram Prof. George Papadakis Dr. Elias Papanicolaou Dr. Raul Rabinovici Prof. M. Ramamoorty Dr. Manuel Romero Dr. Ravi S. Srinivasan Dr. Vittorio Verda Prof. Valery Vodovozov Prof. Nikolai Voropai Prof. Chao Xu Dr. Wenxian Yang Dr. Xiaowei Zhou

Journal of Power and Energy Engineering

Subject Coverage

All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

1. Power Generation-Conventional and Renewable

Bio-energy technologies, process and utilization Environmentally-friendly technologies for power generation Geothermal and tidal wave energy Hydropower technologies and applicationas New technologies and design for energy efficiency New technoloies for minimizing CO₂ generation Other sustainable energy Photovoltaic for solar power applications Safe nuclear energy generation and utilization Thermal power technologies and applications

Waste products as fuel Wind power generation and utilization

2. Power System Management

Application of wide area measurement system (WAMS)
Control strategies for modern power system stability
Integrated substation automation technologies
Load modeling, estimation and forecast
Modeling and simulation of large power systems
Online monitoring and fault diagnosis system
Power system analysis and optimization
Power system management technologies

Power system monitoring and mitigation technologies Power system planning and operation

3. Power Transmission and Distribution

Advanced distribution and SCADA technologies
Electromagnetic analysis in power systems
Electromagnetic compatibility in power systems
Electromagnetic transient in high voltage power systems
HVDC and flexible AC transmission system (FACTS)
Insulation condition monitoring in power systems
Over-voltage, lightning protection and grounding
Plasma physics and the pulsed power technology
Ultra High Voltage (UHV) technologies

4. Smart Grid Technologies

Agent-based Computational Economics for Grid
Agent-based mechanisms for Grid markets
Agent-based simulation of Grid environments and markets
Automated negotiation for Grid resource allocation
Engineering of Grid markets and Grid architectures
Modeling of Grid environments
Resource allocation in Grid scenarios using agent-based approaches
Technical research on future application domains

We are also interested in: 1) Short Reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book Reviews—Comments and critiques.

Notes for Intending Authors

The submitted manuscript should not have been previously published in any form and must not be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All paper are refereed through a peer process. For more details about the submissions, please access the website.

E-mail: jpee@scirp.org

Website and E-Mail

http://www.scirp.org/journal/jpee

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience





Website: http://www.scirp.org Subscription: sub@scirp.org Advertisement: service@scirp.org