Editorial Board

JOURNAL OF SUSTAINABLE ENERGY EDITOR IN CHIEF

Felea Ioan – Member of I.E.E.E. University of Oradea, Department of Energy Engineering, ifelea@uoradea.ro

EDITORS

Gleb Drăgan Member of Romanian Academy

> Cornel Antal University of Oradea, cantal@uoradea.ro

Gianfranco Chicco Politecnico de Torino , Italia gianfranco.chicco@polito.it

Fiodor Erchan State Agricultural University, Moldova terhan@mail.ru

Ştefan Kilyeni Politehnica University of Timisoara stefan.kilyeni@et.upt.ro

Carlo Mazetti La Sapienza di Roma mazzetti@elettrica.ing.uniroma1.it

Florin Popenţiu
University of Oradea
popentiu@imm.dtu.dk

Paulo F. Ribeiro (details) Grand Rapids, Michigan pribeiro@calvin.edu

Saroudis J. AECL, CANDU Services saroudisj@b.astral.ro

Victor Vaida University of Oradea vaida@termodeva.ro

Kalmar Ferenc University of Debrecen fkalmar@mfk.unideb.hu

Alexandru Vasilievici Politehnica University of Timisoara sandi.vasilievici@et.utt.ro

Nikolai Voropai Energy Systems Institute, Russia voropai@isem.sei.irk.ru

> Dan Zlatanovici ICEMENERG danz@icemenerg.ro

Nicolae Coroiu University of Oradea nicolae_coroiu@yahoo.com

> Călin Secui University of Oradea csecui@uoradea.ro

Florin Gheorghe Filip Member of Romanian Academy ffilip@acad.ro

Anatolie Carabulea Politehnica University of Bucharest

Roberto Cipollone(details) University of L'Aquila roberto.cipollone1@tin.it

Mihai Jădăneanţ Politehnica University of Timisoara mihai.jadaneant@mec.upt.ro

Gheorghe Lăzăroiu Politehnica University of Bucharest glazaroiu@yahoo.com

Victoriţa Rădulescu Politehnica University of Bucharest vradul7@yahoo.com

Jacques Padet Universite de Reims, France jacques.padet@univ-reims.fr

> Marcel Roşca University of Oradea mrosca@uoradea.ro

Takács János (details) Technical of University Bratislava jan.takacs@stuba.sk

Varju György (details) Budapest University of Technology&Economics varju.gyorgy@vet.bme.hu

> Mircea Vereş University of Oradea mveres@uoradea.ro

Badea Gabriela University of Oradea, gbadea@uoradea.ro

Irena Wasiak (details) Technical University of Lodz irena.wasiak@p.lodz.pl

> Gabriel Bendea University of Oradea gbendea@uoradea.ro

Laurenţiu Popper University of Oradea director@perfectservice.ro

> Zétényi Zsigmond University of Oradea zetenyi@rdslink.ro

EXECUTIVE STAFF

Executive Editor:
Dziţac Simona
University of Oradea, simona.dzitac@gmail.com

Editorial secretary Albuţ-Dana Daniel University of Oradea, dalbut@uoradea.ro Technical Secretary Vasile Moldovan University of Oradea, moldovan@uoradea.ro

Editorial Activities Barla Eva University of Oradea, ebarla@uoradea.ro

PUBLISHER & EDITORIAL OFFICE
University of Oradea Editing House,
Str. Universitatii Nr. 1, Oradea, jud. Bihor, România, Zip code: 410087, Tel.: 00-40-259-408171, Fax: 00-40-259-408404
ISSN: 2067-5534 (print version)

The Journal of Sustainable Energy (JSE) had its first appearance under this name in 2010. The history of JSE is the following: is formed in 2010 by transforming of 1993-2009 Analele Universitatii din Oradea. Fascicula de Energetica, 1224-1261. Which superseded in part (1991-1992): Analele Universitatii din Oradea. Fascicula Electrotehnica si Energetica (1221-1311); Which superseded in part (1976-1990): Lucrari Stiintifice - Institutul de Invatamant Superior Oradea. Seria A, Stiinte Tehnice, Matematica, Fizica, Chimie, Geografie (0254-8593);

The Journal of Sustainable Energy (JSE) publishes original contributions in the field of the following topics:

- Energy engineering education
- System reliability and power service quality
- Generation of electric and thermal power
- Energy policy and economics
- Energy development (solar power, renewable energy, waste-to-energy systems)
- Energy systems operation
- Energy efficiency, reducing consumption for conservation of energy
- Energy sustainability as related to energy and power production, distribution and usage
- Waste management and environmental issues
- Energy infrastructure issues (power plant safety, security of infrastructure network)
- Energetic equipments

The articles quality increases with every issue. Apart from its improved technical contents, a special care is given to its structure. The guidelines for preparing and submitting an article were modified and developed in order to meet high quality standards requirements. With every passing issue the peer-review process was developed too, being now a double-blinded <u>peer-review process</u>.

Authors who wish to submit a manuscript to the Journal of Sustainable Energy (JSE) are kindly asked to send their manuscripts as DOC and PDF format to JSEoradea@yahoo.com, according to the formatting instructions. Once the manuscript is submitted, the authors will shortly receive a feedback regarding the status of their submission. As the review process is completed, the author will be informed about the reviewers' comments and the changes the paper should suffer in order to satisfy the journal quality requirements.

Journal of Sustainable Energy JSE is covered/indexed/abstracted in:

- Index Copernicus
- <u>Ulrich's Update Periodicals Directory</u>
- DOAJ Directory of Open Access Journals
- EBSCO Publishing EBSCOhost Online Research Databases
- Engineering village (Pending)

The JSE may be purchased based on annual subscription (4 issues) at the following prices: paper $-50 \, \in$, electronic $-20 \, \in$, or individually (each number) at the following prices: paper $-20 \, \in$, electronic $-8 \, \in$. To purchase the complete "control" standard (<u>www.energy-cie.ro</u>) and submitted electronically or by fax. In order to generate the invoice (<u>www.energy-cie.ro</u>) is transmitted to the applicant. After payment of the amount stated in the bill the applicant receives and invoice numbers ordered JSE.

Publishing House name/address:

University of Oradea Editing House

Universitatea din Oradea, Universitatii Str., No. 1, 410087, Oradea, Bihor, Romania

- ISSN: 2067-5534
- Tel.: 00-40-259-408171 (231, 288)
- Fax: 00-40-259-408404
- Place of publishing: Oradea, Romania
- Year of the foundation of publication in domain of power engineering: 1976
- Releasing frequency: 4 / year
- Language: English

CONTENTS

SYSTEMS' RELIABILITY AND QUALITY OF ENERGY SERVICES

ACTIVE POWER FLUCTUATIONS IN CIRCUITS WITH CONCENTRATED AND DISTRIBUTED PARAMETERS UNDER TRANSIENT REGIME
BERZAN V., PATSIUK V., RIBACOVA G., POSTOLACHE P
CONTRIBUTIONS TO RELIABILITY MODELING AND EVALUATION OF PROTECTIVE STRUCTURE
SUBSYSTEMS IN URBAN MEDIUM VOLTAGE ELECTRICITY NETWORKS LĂZĂROIU GH, MIHĂESCU L., PÎSĂ I., PRISECARU T, POP E.,
TOADER MM., NICULESCU B., MĂRUNȚĂLU O., STAN N. A
RENEWABLE RESOURCES OF ENERGY. SUSTAINABLE ENERGY TECHNOLOGIES
ASPECTS OF CONSTRUCTIVE AND THERMO-ECONOMIC ANALYSIS
OF STEAM TURBINES USED FOR SOLID BIOMASS VALORIZATION
BERBECE V., LĂZĂROIU GH., NEGREANU G.P., MIHAESCU L., PÎŞĂ I
EVOLUTION OF POWER SYSTEMS. PERFORMANT POWER SYSTEMS
ANALYSIS ON THE ENERGY PERFORMANCES OF OTL TRAMS
FELEA I., CSUZI IS., DAN F., CHIREA V96
MARKET AND STOCK-MARKET OF POWER. MANAGEMENT OF POWER SYSTEMS
ENERGY MARKET – A NEW SOLUTION FOR THE FUTURE EUROPEAN COMMUNITY
RADULESCU V
OTHER SUBJECTS:
OTHER SUBJECTS:
COMMUNICATE REGARDING TO RETRACT THE SCIENTIFIC PAPER"MODELING AND DYNAMIC SIMULATION
OF STRATIFIED DOWNDRAFT GASIFIERS" authors: LAZAROIU Gh.*, DESIDERI U. **, STROE C. *, BOGDAN I.* * Faculty of Power Engineering, Politehnica University of Bucharest e-mail: glazaroiu@yahoo.com, ** University of Study Perugia,
JOURNAL OF SUSTAINABLE ENERGY VOL. 2, NO. 1, MARCH, 2011