INTERNATIONAL JOURNAL OF ENERGY AND ENVIRONMENT

Official Journal of the International Energy and Environment Foundation

ISSN 2076-2895 (Print) ISSN 2076-2909 (Online)

Volume 6, Issue 3, 2015

Aims and Scope

The International Journal of Energy and Environment (IJEE) is the official journal of the International Energy and Environment Foundation (IEEF). The journal is a multi-disciplinary, peer-reviewed open access journal, covering all areas of energy and environment related fields that apply to the science and engineering communities. The journal enjoys the full support of the IEEF, who provide funds to cover all costs of publication, including the Article Processing Charges for all authors. Therefore the journal is both free to read and free to publish in for everyone. IJEE aims to promote rapid communication and dialogue among researchers, scientists, and engineers working in the areas of energy and environment. The journal provides a focus for activities concerning the development, assessment and management of energy and environment related programs. The emphasis is placed on original research, both analytical and experimental, which is of permanent interest to engineers and scientists, covering all aspects of energy and environment. It is hoped that this journal will prove to be an important factor in raising the standards of discussion, analyses, and evaluations relating to energy and environment programs. All manuscripts with significant research results in the areas of energy and environment and their application are welcome. *The scope of the journal encompasses the following:*

Energy

- Fuel cells and their applications.
- Hydrogen energy.
- Photovoltaic technology conversion.
- Solar thermal applications.
- Wind energy.
- Hydro energy.
- Biomass and bioenergy.
- Wave and tide energy.
- Geothermal energy.
- Fuel flexibility and alternatives.
- Micro- and nano-energy systems and technologies.
- Hybrid / integrated energy systems.
- Energy conversion, conservation and management.
- Energy efficient buildings.
- Energy generation and energy storage.
- Energy modelling and prediction.
- Energy and sustainable development.
- Energy efficiency and sustainability inherent in heritage places.
- Fluid mechanics and thermodynamics, including CFD, heat transfer and combustion.

Environment

- Energy and environmental impact.
- Thermal, acoustic, visual, air quality building science and human impacts.
- Eco-design of energy-related products.
- Green electric and electronics.
- Solutions for mitigating environmental impacts and achieving low carbon, sustainable built environments.
- Technologies and integrated systems for high performance buildings and cities.
- Tools for the design and decision-making community, including tested computational, economic, educational and policy tools.
- Environment and sustainable development.
- Quality assurance / control.
- Emissions reduction.
- Waste management.
- Evaluation & management of environmental risk and safety.
- Advanced visualization techniques, virtual environments and prototyping.

A note to authors

Submission of articles

Submission of an article implies that the work described has not been published previously (except in the form of an abstract or as part of a published lecture or academic thesis), that it is not under consideration for publication elsewhere, that its publication is approved by all authors and tacitly or explicitly by the responsible authorities where the work was carried out, and that, if accepted, it will not be published elsewhere in the same form, in English or in any other language, including electronically without the written consent of the copyright-holder. The submitting author is responsible for obtaining agreement of all co-authors as well as any sponsors' required consent before submitting a paper. Responsibility for the content of a paper lays on the Authors and not on the Editors or the Publisher. All authors must complete the 'Journal Copyright and License Agreement' before the article can be published. Authors are encouraged to use the IEEF Document Template for preparing manuscripts for submission. The Paper Template represents the author guidelines and desired layout final manuscript of International Journal of Energy and Environment (IJEE). Full instructions can be found on the journal homepage (***http://www.IJEE.IEEFoundation.org***).

Your Submitted Article

- Your article will be peer-reviewed and if accepted will be published very fast.
- Your biography will appear at the end of your article.
- Your article will be published free of charge. The Authors do not pay any kind of publication fees.
- Your article will be published around the world in full color. Free use of color where this enhances the article.
- Your article can be read by potentially millions of readers, which is incomparable to publishing in a traditional subscription journal. All interested readers can read, download, and/or print your article at no cost!
- Your article will obtain more citations.
- Moreover, all articles are indexed by the major indexing media therefore providing the maximum exposure to the articles.

ISSN 2076-2895 (Print), ISSN 2076-2909 (Online),

INTERNATIONAL JOURNAL OF
ENERGY AND ENVIRONMENT

Official Journal of the International Energy & Environment Foundation

Journal homepage: www.IJEE. IEEFoundation.org

ISSN 2076-2895 (Print), ISSN 2076-2909 (Online)

ISSN 2076-2895 (Print), ISSN 2076-2909 (Online)

Contents

ISSN 2076-2895 (Print), ISSN 2076-2909 (Online)

Announcements - IEEF Release

BOOK: CFD Applications in Energy and Environment Sectors: Volume 1.
Editors: Maher A.R. Sadiq Al-Baghdadi and Hashim R. Abdol Hamid (ISBN 13: 978-1-46623-065-1)

BOOK: Engineering Applications of Computational Fluid Dynamics: Volume 1.
Editor: Maher A.R. Sadiq Al-Baghdadi (ISBN 13: 978-1-46623-106-1)

BOOK: CFD Modeling in Development of Renewable Energy Applications.
Editor: Maher A.R. Sadiq Al-Baghdadi (ISBN 13: 978-1-46623-131-3)

BOOK: Engineering Applications of Computational Fluid Dynamics: Volume 2.
Editor: Maher A.R. Sadiq Al-Baghdadi (ISBN 13: 978-1-47832-935-0)

BOOK: PEM Fuel Cells - Fundamentals, Modeling, and Applications.
Author: Maher A.R. Sadiq Al-Baghdadi (ISBN 13: 978-1-48197-823-1)

BOOK: Alternative Fuels Research Progress.
Editor: Maher A.R. Sadiq Al-Baghdadi (ISBN 13: 978-1-48405-771-1)

BOOK: Computational Fluid Dynamics Applications in Green Design.
Editor: Maher A.R. Sadiq Al-Baghdadi (ISBN 13: 978-1-49487-575-6)

BOOK: Stress Redistribution in Composite Materials.
Author: Luay S. Alansari (ISBN 13: 978-1-49730-742-1)

BOOK: PEM Fuel Cells from Single Cell to Stack - Fundamental, Modeling, Analysis, and Applications.
Author: Maher A.R. Sadiq Al-Baghdadi (ISBN 13: 978-1-50588-564-4)

BOOK: Dynamic Analysis Investigation of Stiffened and Un-Stiffened Composite Laminated Plate Subjected to Transient Loading.
Author: Muhannad Al-Waily (ISBN 13: 978-1-50757-536-9)

BOOK: Analytical and Numerical Buckling and Vibration Investigation of Isotropic and Orthotropic Hyper Composite Materials Structures.
Author: Muhannad Al-Waily (ISBN 13: 978-1-50588-564-4)