

Special Issue

Emerging Technologies for the Energy Systems of the Future

Message from the Guest Editors

This Special Issue covers new advances in the emerging technologies for modern energy systems from both technical and management perspectives. We invite all interested researchers to submit their original research and review papers for this Special Issue; topics of interest include, but are not limited to:

- Energy systems integration;
- Micro- and nano-energy systems and technologies;
- Operation and control of energy systems;
- Integrated community-based energy systems;
- Local energy systems;
- Energy islands;
- Multi-stakeholder energy systems;
- Energy conversion, conservation, and management;
- Multi-carrier and integrated energy systems;
- Energy storage systems;
- Demand-side management;
- IoT for smart grid;
- Flexibility services in integrated energy systems;
- Renewable energy hosting capacity;
- The market for flexibility services;
- Role of cloud/edge computing technology on energy systems modernization;
- Effect of ICT and cybersecurity trends on energy systems of the future;
- Vector coupling energy storage systems;
- Low-carbon technologies in energy systems;
- eMobility;
- Big data in energy systems

Guest Editors

Prof. Dr. Amjad Anvari-Moghaddam

Dr. Vahid Vahidinasab

Prof. Dr. Behnam Mohammadi-Ivatloo

Dr. Reza Razzaghi

Dr. Fazel Mohammadi

Deadline for manuscript submissions

closed (31 December 2020)



Inventions

an Open Access Journal
by MDPI

Impact Factor 1.9
CiteScore 4.9



mdpi.com/si/51165

Inventions
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
inventions@mdpi.com

[mdpi.com/journal/
inventions](https://mdpi.com/journal/inventions)





Inventions

an Open Access Journal
by MDPI

Impact Factor 1.9
CiteScore 4.9



[mdpi.com/journal/
inventions](https://mdpi.com/journal/inventions)



About the Journal

Message from the Editorial Board

The unique journal *Inventions* is different from all other journals. Many scholars spend their lives publishing research papers in many different journals, but most of these journals do not help scholars collate and analyze their results or assist in promoting them to a relevant industry. However, *Inventions* will help authors not only to publish their papers in the journal, but also to promote their research results to industry and assist them in realizing the purpose of technology transfer. In the future, *Inventions* will help authors to evaluate their technology license fees based on the valuation theory and approaches and also help authors to show their patents and technologies on a network transaction platform.

Editors-in-Chief

Prof. Dr. Chien-Hung Liu

Department of Mechanical Engineering, National Chung Hsing University, 250 Kuo Kuang Rd., Taichung 402, Taiwan

Prof. Dr. Shouu-Jinn Chang

Department of Electrical Engineering, National Cheng Kung University, Tainan 701, Taiwan

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.9 days after submission; acceptance to publication is undertaken in 4.6 days (median values for papers published in this journal in the second half of 2025).