



## Design and Analysis of Electric Machines

Guest Editors:

**Prof. Dr. Hyun-Kyo Jung**

Department and Computer  
Engineering, Seoul National  
University, Seoul 08826, Korea

**Prof. Dr. Sang-Yong Jung**

Department of Electrical and  
Computer Engineering,  
Sungkyunkwan University,  
Suwon 16419, Korea

Deadline for manuscript  
submissions:

**closed (31 December 2020)**

### Message from the Guest Editors

Recently, demand for electric machines with outstanding performance and high efficiency to overcome globally issued regulations on energy efficiency has been increasing remarkably. Consequently, we are inviting submissions to a Special Issue of *Energies*, regarding ‘Design and Analysis of Electric Machines’.

This Special Issue aims to publish following topics and others, which cover aspects of design and analysis of electric machines, will be welcome as well.

- Numerical methodologies for electric machine performance
- Analysis on electric machine for electromechanical dynamics
- Electromagnetic loss identification for enhanced electric machine efficiency
- Design optimization associated with multi-physics analysis
- Noise, vibration and heat analysis on electric machine
- Running behavior of electric machines driven by a new control algorithm

Particularly, articles that deal with the latest topics on the new employment of electric machines are much encouraged. We hope to inspire both academic and industrial researchers with comprehensive, unbiased, and scientifically sound overview of the most recent research and technological developments.





# energies



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Enrico Sciubba**

Department of Mechanical and  
Aerospace Engineering,  
University of Roma Sapienza, Via  
Eudossiana 18, 00184 Roma, Italy

## Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (Control and Optimization)

## Contact Us

---

*Energies* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/energies](http://mdpi.com/journal/energies)  
[energies@mdpi.com](mailto:energies@mdpi.com)  
[X@energies\\_mdpi](https://twitter.com/energies_mdpi)