

## Special Issue

# Power Conditioning and Power Protection for Electronic Systems

### Message from the Guest Editor

Modern electronic systems are uniquely vulnerable to power line disturbances because they bring together high-energy power lines and sensitive low-power integrated circuits controlling power semiconductors in the conversion interfaces. External disturbances to renewable sources can also affect the reliability of the energy supply. The term 'power conditioning' deals with a broad class of techniques and products designed to improve or assure the quality of the energy source powering sensitive electronic systems. Utilities realize that different types of customers require different levels of reliability, and make every effort to supply disturbance-free power. However, normal occurrences, most of which are beyond control and are acts of nature, make it impossible to provide disturbance-free power with 100% reliability. This Special Issue is dedicated to the subject of Power Conditioning and Protection of Electronic Systems where we invite researchers and industry experts to contribute research papers and review articles on the state of the art and future.

### Guest Editor

Dr. Nihal Kularatna

School of Engineering, The University of Waikato, Hamilton 3216, New Zealand

### Deadline for manuscript submissions

closed (15 April 2022)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/43814](https://mdpi.com/si/43814)

*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

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





# Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



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



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University  
Niccolò Cusano, 00166 Roma, Italy

---

### 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)