

## Special Issue

# Advanced Control in Microgrid Systems 2021

### Message from the Guest Editor

We are inviting submissions to a new Special Issue of *Energies* on the subject area of “Advanced Control in Microgrid Systems 2021”. With the increasing integration of renewable energy and the development of a smart grid, the topic of microgrids has attracted a lot of attention in recent years. Microgrids are distributed electric power systems that autonomously coordinate power generations and demands. Modern microgrids often include renewable energy generations, such as wind and solar, supported by distributed energy storage systems. The distributed nature of microgrids and the uncertain, intermittent nature of power demands and renewable energy generations pose significant challenges in the operation of microgrids. Advanced methods of modern control play an important role in achieving a reliable, robust, secure, and cost-effective functioning of microgrid systems. Researchers and engineers worldwide are working together to develop novel and efficient tools of control in microgrids. This Special Issue is focused on new developments in the field of advanced control in microgrid systems.

### Guest Editor

Prof. Dr. Andrey V. Savkin

School of Electrical Engineering and Telecommunications, University of New South Wales, Sydney, NSW 2052, Australia

### Deadline for manuscript submissions

closed (20 January 2022)



## Energies

an Open Access Journal  
by MDPI

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/84281](https://mdpi.com/si/84281)

*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)