



*energies*



an Open Access Journal by MDPI

## Advanced Control in Microgrid Systems II

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:

**20 June 2024**

### Message from the Guest Editor

Dear Colleagues,

We are inviting submissions to a Special Issue of *Energies* on the subject area of “Advanced Control in Microgrid Systems II”.

Potential topics include but are not limited to the following:

- Model predictive control of microgrid systems;
- Robust control of microgrid systems;
- Optimization of microgrids;
- Control of battery energy storage systems;
- Sliding mode control of microgrid systems;
- Multiagent systems approach to control of microgrids;
- Advanced control systems for market-oriented energy storage dispatch;
- Control of microgrid systems with high penetrations of wind power;
- Control of microgrid systems with high penetrations of solar power;
- Optimization and control of microgrid systems with thermostatically controlled loads;
- Minimizing the energy cost for microgrid systems;
- Control of microgrid systems with communication delays.



[mdpi.com/si/136630](https://mdpi.com/si/136630)

# Special Issue



# 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 (*Engineering (miscellaneous)*)

## Contact Us

---

*Energies* Editorial Office  
MDPI, St. Alban-Anlage 66  
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://x.com/energies_mdpi)