



*energies*



an Open Access Journal by MDPI

## **Navigating Energy Trends: Exploring Control and Operation in Autonomous Energy Systems**

Guest Editor:

**Prof. Dr. Chung-Neng Huang**

Department of Electrical  
Engineering, National University  
of Tainan, Tainan 700, Taiwan

Deadline for manuscript  
submissions:

**22 November 2024**

### **Message from the Guest Editor**

Dear Colleagues,

This Special Issue aims to delve into the dynamic realm of autonomous energy systems and investigate the multifaceted aspects of their control and operation. As the global energy landscape undergoes a transformative shift towards sustainability and autonomy, this scope focuses on the intersection of advanced technologies, artificial intelligence, and energy infrastructure. Our scope encompasses research that addresses the intricate challenges and opportunities associated with the control and operation of autonomous energy systems.

This Special Issue aspires to provide a comprehensive platform for researchers, engineers, and policymakers that fosters a deeper understanding of the intricate dynamics surrounding the control and operation of autonomous energy systems in the pursuit of a sustainable future.

Prof. Dr. Chung-Neng Huang  
Guest Editor



[mdpi.com/si/193142](https://mdpi.com/si/193142)

**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 (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)