

## Special Issue

# Stability Analysis, Operation and Control of New Energy Power Systems

### Message from the Guest Editor

Nowadays, there is immense pressure on countries to re-design their electric power systems to increase the penetration of new energies, e.g., wind, solar, and hydrogen energies. Recently technological advances in internet-of-things devices have also proliferated a large number of high-power controllable loads, such as demand response and electric vehicles. Together, the effects brought about by the increase in new energies and controllable loads present an unprecedented and severe challenges to the stability analysis, operation, and control of power systems. Topics of interest for publication include, but not limited to:

- Stability analysis of new energy power systems
- Frequency control of new energy power systems
- Voltage control of new energy power systems
- Economic dispatch of new energy power systems
- Control of new energies
- Control and operation of energy storage systems
- Regulation of electric vehicles
- Regulation of virtual power plants

---

### Guest Editor

Dr. Zhaojian Wang

Department of Automation, Shanghai Jiao Tong University, Shanghai 200240, China

---

### Deadline for manuscript submissions

10 June 2026



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 8.3



[mdpi.com/si/227848](https://mdpi.com/si/227848)

*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 8.3



[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)