



*energies*



an Open Access Journal by MDPI

## Optimizing, Forecasting, Modeling and Applications of New Energy Microgrid/Grid

Guest Editor:

**Dr. Hai Lan**

College of Automation, Harbin  
Engineering University, Harbin  
150001, China

Deadline for manuscript  
submissions:

**closed (28 March 2023)**

### Message from the Guest Editor

Dear Colleagues,

With the consistent growth in distributed energy resources and energy storage systems, the infrastructural scale of new energy grids and microgrids increases year by year. Many topics related to new energy grids and microgrids have not been sufficiently solved. This Special Issue aims to solicit original and high-quality research articles related to, but not limited to, the following topics:

- Optimization and evaluation of new energy microgrid/grid;
- New energy forecasting in a variety of microgrids;
- Novel approaches for designing or modeling new energy microgrids/grids;
- Low-emission, economy operation of new energy microgrids/grids;
- New applications and tools in new energy microgrids/grids;
- Planning and control method of energy storage systems.

Dr. Hai Lan

*Guest Editor*



[mdpi.com/si/118462](https://mdpi.com/si/118462)

# 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)