

## Special Issue

# Research on Operation Optimization of Energy Systems

### Message from the Guest Editors

This Special Issue aims to present the most recent advances related to the optimization of all types of energy systems, including the theory, design, modelling, control, and application of systems that are involved in the optimization of energy generation and utilization.

Topics of interest for publication include, but are not limited to:

- Modelling and optimization of power generation systems;
- Flexibility enhancement of traditional power generation processes;
- Condition monitoring of equipment in energy systems;
- Intelligent control of key parameters in power generation systems;
- Economic operation, pollution emissions and carbon reduction during the energy generation process;
- Optimal dispatch of multi-energy systems;
- Energy storage capacity optimization in different scenarios;
- Optimization of integrated energy systems;
- Cost and efficiency evaluation of energy systems;
- Novel applications of optimized energy systems;
- Software and design related to energy system optimization.

### Guest Editors

Dr. You Lv

School of Control and Computer Engineering, North China Electric Power University, Beijing, China

Dr. Guorui Ren

School of Control and Computer Engineering, North China Electric Power University, Beijing, China

### Deadline for manuscript submissions

closed (30 June 2023)



## Energies

an Open Access Journal  
by MDPI

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/126463](https://mdpi.com/si/126463)

*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)