

## Special Issue

# Advances of Modeling Methods in Energy Systems

### Message from the Guest Editors

This Special Issue aims to present and disseminate the most recent advances related to modeling theory, approaches, and applications of energy systems. Topic of interests for publication include but are not limited to:

- New modeling theory and fundamentals for energy systems;
- Modeling methods, design, and analysis for energy systems;
- New physics- and/or first principle-based modeling approaches of energy systems;
- Data-driven and/or machine learning approaches of energy systems;
- Modeling techniques for smart energy systems;
- Modeling approaches for different applications, such as prediction, fault detection and diagnosis, control, manufacturing, etc., in energy systems;
- Identification of key challenges and opportunities for future research of modeling methods in energy systems.

### Guest Editors

Dr. Chao Liu

Department of Energy and Power Engineering, Tsinghua University,  
Beijing 100084, China

Dr. Zhanhong Jiang

Data Sciences and Product Development, Johnson Controls,  
Milwaukee, WI 53209, USA

### Deadline for manuscript submissions

closed (28 September 2023)



## Energies

an Open Access Journal  
by MDPI

Impact Factor 3.0  
CiteScore 6.2



[mdpi.com/si/127522](https://mdpi.com/si/127522)

*Energies*

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 3.0  
CiteScore 6.2



[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)