

## Special Issue

# Challenges and Progresses of Electric Power Systems

### Message from the Guest Editors

The evolution of electric power systems plays a crucial role in supporting the demands of modern society, especially in the context of increasing electrification, renewable energy integration, and the pursuit of sustainability. Challenges such as grid stability, energy storage, system reliability, and efficient power generation have pushed the boundaries of research and innovation in this field. This Special Issue aims to present and disseminate the latest developments in the theory, design, operation, and optimization of electric power systems. Topics of interest for publication include, but are not limited to, the following:

- Integration of renewable energy sources into power grids.
- Energy storage systems and their role in grid stability.
- Smart grid technologies and digitalization of power systems.
- Advanced methods for power generation and distribution.
- Enhancing reliability and resilience in power systems.
- Power system optimization and control strategies.
- Novel applications of power electronics in energy systems.
- Environmental and economic impacts of power system innovations.

---

### Guest Editors

Dr. Guido Rubino

Department of Astronautical, Electrical and Energy Engineering,  
Sapienza University, Rome, Italy

Dr. Luigi Rubino

Department of Engineering, University of Campania Luigi Vanvitelli,  
Roma 29, 81031 Aversa, Caserta, Italy

---

### Deadline for manuscript submissions

closed (20 March 2026)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/223231](https://mdpi.com/si/223231)

*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)