

## Special Issue

# Recent Advances in Electric Grid Control

### Message from the Guest Editor

The design and implementation of reliable, secure, and stable grid control systems have become more challenging with ever-increasing penetration of inverter-connected resources, e.g., solar and wind energy storage, as well as the potential for malicious/inadvertent cybersecurity threats. Likewise, there have also been recent advances in measurement technologies, high-speed reliable data networks, and advanced control methodologies that can enable the design of more robust, resilient control systems. In this context, “Recent Advances in Electric Grid Control”, is a Special Issue of *Energies* that will publish original papers about the design, architectures, algorithms, simulation, and implementation of control systems for power grid applications at all levels including transmission, distribution, and microgrids. These papers should address state-of-the-art research and developments, as well as future trends in electric grid control.

---

### Guest Editor

Dr. David Schoenwald

Electric Power Systems Research Department, Sandia National Laboratories, P.O. Box 5800, Albuquerque, NM 87185, USA

---

### Deadline for manuscript submissions

closed (30 December 2022)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/45024](https://mdpi.com/si/45024)

*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)