

## Special Issue

# Smart Grid and Energy Storage

### Message from the Guest Editor

The guest editor is inviting submissions to a Special Issue of *Energies* on the subject area of “Smart Grid and Energy Storage”. Recent advances in the smart grid include the integration of renewable energy resources, improvement of energy efficiency, and decentralization of electric energy generation and distribution through small- to medium-scale electric infrastructures such as microgrids and nanogrids. Considering the intermittence of renewable energy resources, the demand variability, and to ensure energy resilience, energy storage can play a key role in achieving the objectives despite the different concerns. The architecture of the smart grid, integrated with energy storage, can be characterized by multiple complex energy systems of different natures that require optimization, management, and control for efficient operation to meet multiple benefits and objectives based on economic, social and health factors. The aim of this Special Issue is to explore innovative solutions and cover original research related to smart grids and energy storage.

---

### Guest Editor

Dr. Adel Merabet

Division of Engineering, Saint Mary's University, Halifax, NS B3H 3C3, Canada

---

### Deadline for manuscript submissions

closed (20 November 2025)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.9  
CiteScore 8.3



[mdpi.com/si/180384](https://mdpi.com/si/180384)

*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 3.9  
CiteScore 8.3



[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)