

## Special Issue

# Microcontrollers Systems and PLCs Used in Energies

### Message from the Guest Editors

This Special Issue of *Energies*, “Microcontroller Systems and PLCs used in Energies”, aims to publish outstanding papers on microcontroller systems and PLCs, with topics including:

- Energy monitoring;
- Energy efficiency;
- Smart energy meters;
- Electrical power quality;
- Automation in transport and distribution in power systems;
- Smart protection in power generation and utilization;
- Renewable energy systems (solar, wind and fuel cells);
- IoT in power engineering.

There are numerous engineering solutions available using microcontroller systems and PLCs in: energy monitoring; saving energy in home, building and industrial applications; smart energy meters; power quality; smart protection applications; automation in power engineering; renewable energy systems; and IoT applications in power engineering. Author submissions should present different problems and solutions (through modelling, simulations and experiments) in these areas and provide brief explanations of their solutions, with the inclusion of comparative studies.

### Guest Editors

Dr. Gabriel Nicolae Popa

Department of Electrical Engineering and Industrial Informatics, Faculty of Engineering Hunedoara, Politehnica University Timișoara, No.5, Revolutiei Str., 331128 Hunedoara, Romania

Dr. Corina Maria Dinis

Department of Electrical Engineering and Industrial Informatics, Faculty of Engineering Hunedoara, Politehnica University Timișoara, 5 Revolutiei Str., 331128 Hunedoara, Romania

### Deadline for manuscript submissions

closed (5 June 2025)



## Energies

an Open Access Journal  
by MDPI

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/153372](https://mdpi.com/si/153372)

*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)