

Special Issue

Advanced Control and Monitoring Systems in Automotive Power Electronics

Message from the Guest Editors

This Special Issue titled "Advanced Control and Monitoring Systems in Automotive Power Electronics" seeks to investigate the latest advancements in control and monitoring technologies that are reshaping the field of automotive power electronics. This Special Issue will address a wide range of topics, including, but not limited to, the following:

- Advanced Control Strategies
- Real-Time Monitoring Systems
- Integration of AI and Machine Learning
- Energy Management Systems
- Safety and Cybersecurity
- Case Studies and Practical Applications

Through this Special Issue, we will gather original research articles, review papers, and case studies that advance our shared understanding of advanced control and monitoring systems in automotive power electronics. We invite researchers, practitioners, and industry experts to contribute their findings to help us to shape the future of automotive technology in this rapidly evolving field.

Guest Editors

Dr. Pierpaolo Dini

Department of Information Engineering, University of Pisa, 56122 Pisa, Italy

Dr. Lorenzo Diana

Evidence Srl, 56124 Pisa, Italy

Deadline for manuscript submissions

5 September 2025



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/217272

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)