

## Special Issue

# Current Research and Future Trends in Power Electronics Applications

### Message from the Guest Editors

This Special Issue on “Current Research and Future Trends in Power Electronics’ Applications” aims to draw a picture of the current state of research in the fields mentioned above. Papers describing specific new promising solutions for switching devices, power converter topologies, control strategies, and modulations techniques and review articles on the current state of research in the above areas, highlighting future challenges and trends, are warmly welcome. The submitted manuscripts should also provide a well-defined framework of applications for the proposed solutions or reviews.

---

### Guest Editors

Dr. Nicola Toscani

Department of Mechanical Engineering, Politecnico di Milano, Milano, Italy

Prof. Dr. Francesco Castelli-Dezza

Department of Mechanical Engineering, Politecnico di Milano, Milano, Italy

---

### Deadline for manuscript submissions

20 May 2026



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/217280](https://mdpi.com/si/217280)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[appls](https://appls)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, 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, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )