



## Feature Papers in Industrial Electronics

Guest Editors:

**Prof. Dr. S. M. Mueen**

**Prof. Dr. Jahangir Hossain**

**Prof. Dr. Mohamed Benbouzid**

**Prof. Dr. Antonio J. Marques  
Cardoso**

**Prof. Dr. Marco Mussetta**

### Message from the Guest Editors

The growing commitment of governments, businesses, and industries towards net zero has provided new opportunities and challenges for energy sectors. This Special Issue aims to address the emerging and broader issues for a reliable and sustainable operation of power and energy systems and provide a platform to improve interdisciplinary research, sharing the most recent ideas.

The topics of interest for the Special Issue include, but are not limited to, the following:

1. Demand response and demand-side management in green energy for sustainable power systems;
2. Modeling and management of EVs;
3. Green hydrogen technology and integrations with the power network;
4. Clean energy and recycling;
5. Cyber-physical systems and wide area monitoring;
6. Demand flexibility and minimum demand;
7. Electrifications of fossil fuel-dominated industries;
8. Power electronics applications in power and energy sectors;
9. Nonlinear and intelligent control techniques for smart grid;
10. Energy storage system;
11. Artificial intelligence and energy;
12. New energy initiatives.

Deadline for manuscript  
submissions:

**closed (31 March 2023)**





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Flavio Canavero

Department of Electronics and  
Telecommunications,  
Politecnico di Torino, 10129  
Torino, Italy

## Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

## 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), CAPlus / SciFinder, Inspec, and other databases.

**Journal Rank:** JCR - Q2 (*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

## Contact Us

*Electronics* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/electronics](http://mdpi.com/journal/electronics)  
[electronics@mdpi.com](mailto:electronics@mdpi.com)  
[X@electronicsMDPI](https://twitter.com/electronicsMDPI)