



Innovative Solutions for the Electrical Industry

Guest Editors:

Prof. Dr. Guido Ala

Dipartimento di Ingegneria,
Università di Palermo, Viale delle
Scienze, Edificio 9, I-90128
Palermo, Italy

Prof. Dr. Massimo Mitolo

Dept Elect, Irvine Valley Coll,
Irvine, CA 92618 USA

Dr. Gaetano Zizzo

Department of Engineering,
University of Palermo, Building 9,
90128 Palermo, Italy

Deadline for manuscript
submissions:

closed (15 January 2022)

Message from the Guest Editors

The electrical industry is experiencing a 4th revolution due to ICT, the IoT, renewables, and power electronics. New technologies are driving generation, transmission, and distribution sectors, as well as the final use of electric energy toward new goals with the tri-lemma: decarbonization, digitization, and decentralization.

This revolution is improving the efficiency of the electricity sector, raising global income levels and improving quality of life.

This Special Issue encourages authors to submit original research papers on the following topics:

- Equipment protection and service continuity during faults in industrial sites;
- Safety and security in transmission and distribution;
- Active filters for improving power quality;
- DC microgrids;
- Static converter-based energy systems;
- Power electronics solutions for enhancing the conversion efficiency of RES-based distributed generators;
- Internet of Things in the electricity sector;
- Internet of Safety: innovative solutions for protecting persons against hazards from electricity;
- Aggregation of distributed flexibility and ancillary services;
- Electromagnetic compatibility and reliability in power system.





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), CAPus / 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

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