

Special Issue

Power Development and Power Generation in Era of Decarbonization

Message from the Guest Editors

The topics related to power development and power generation and the subject of this Special Issue include, but are not limited to: - Microgrids and energy clusters; - Virtual power plants; - The impact of electromobility on the demand of electricity; - Managing the flow of energy and information between energy consumers and producers; - Automation of processes carried out by distribution network operators (e.g., voltage or reactive power regulation); - Management of power consumption by recipients in order to minimize transmission losses; - Monitoring and modeling of energy flow between generating units and consumers; - Control of the operation of energy storage; - Low-emission power plants.

Guest Editors

Dr. Arkadiusz Dobrzycki

Dr. Radosław Szczerbowski

Prof. Dr. Muhsin Tunay GENÇOĞLU

Dr. Tadeusz Olkusi

Deadline for manuscript submissions

closed (31 December 2023)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/165911

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



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



About the Journal

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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus /
SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 16.8 days after
submission; acceptance to publication is undertaken in 2.4
days (median values for papers published in this journal in
the first half of 2025).