

Special Issue

Power Management and Control of Microgrid with Distributed and Renewable Energy Sources

Message from the Guest Editors

The purpose of this Special Issue is to address and disseminate state-of-the-art research in microgrids by academics, industries, and research organizations. This Special Issue will bring together recent advances in microgrid and will offer a major forum for reporting advances in microgrid research and associated technologies to uptake renewable-based generation. Topics of interest include but are not limited to the following:

- Recent advancement in microgrids and emerging microgrid technologies;
- Microgrid structures and configurations, Design of microgrid;
- Power electronic converters for microgrid;
- Advanced control and energy management of DC, AC, hybrid AC/DC microgrids;
- Microgrid integration and their impact on the distribution grid;
- Energy storage for microgrid;
- Integration of electric vehicles in microgrids and vehicle-to-grid (V2G) and grid-to-vehicle (G2V) operation;
- Cyber security of microgrid.

Guest Editors

Dr. Md Enamul Haque
Dr. Sajeeb Saha
Dr. Jiefeng Hu

Deadline for manuscript submissions

closed (31 May 2021)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/56533

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 16.4 days after
submission; acceptance to publication is undertaken in 2.6
days (median values for papers published in this journal in
the second half of 2025).