

Special Issue

Advancements in Electric Motors, Drives, Power Converters and Related Systems

Message from the Guest Editor

I invite you to present the results of your studies to this Special Issue of *Electronics* on the topic “Electric Motors, Drives, Power Converters and Related Systems”. Currently, scientific research in this field is stimulated both by new targets and requirements to be achieved and by novel tools and equipment available. The new targets are linked to the fact that today 20% of the world’s final energy consumption is electrical energy, but this percentage should increase significantly in the next two decades, by at least 2.1% per year, which would lead to 24%–31% in 2040, according to the Stated Policies Scenario or the Sustainable Development Scenario. In these scenarios, the main electrical energy users are electrical motors in industrial applications, space cooling, large and small appliances, and electric vehicles.

Guest Editor

Prof. Dr. Lucia Frosini

Department of Electrical, Computer and Biomedical Engineering,
University of Pavia, Via Ferrata 5, 27100 Pavia, Italy

Deadline for manuscript submissions

closed (31 May 2022)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/44084

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 guest-edited 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), CAPus /
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).