

Special Issue

Artificial Neural Network Applications in Power Electronics, Communication Networks and IoT

Message from the Guest Editors

The rapid development of power electronics make that it is used in many fields of science and technology.

Various sensors and controllers are used in power systems, communication networks and IoT. In these areas of application the use of intelligent methods to enhance the efficiency is very important. Then in this special issue all the latest innovative methods based on neural networks and in similar intelligent method are welcomed. Submissions covering neural networks and other computational intelligence methods are welcomed. However, the topics are not limited to these and any other proposals in the field related to the intelligent power electronics are welcomed too. The topics consist in, but are not limited to, the following:

- Algorithms and methods
- Power electronics for Applied computing
- Power electronics for High performance computing
- Signal processing for power electronics
- Circuits theory for power electronics
- Application of Computational Intelligence in power electronics
- Hardware Architectures
- Wireless and sensors networks

Guest Editors

Dr. Giacomo Capizzi

Dr. Luca Di Nunzio

Dr. Grazia Lo Sciuto

Deadline for manuscript submissions

closed (31 December 2020)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/23752

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), 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).