

## Special Issue

# Analysis and Optimal Design Methods for Electric Machines and Devices – Volume 2

### Message from the Guest Editor

The aim of this Special Issue is to seek high-level articles on the following topics:

- Analysis and design methods
- Electric machines and devices (actuators, motors, generators, and transformers, among others)
- Material modeling (composite materials, hysteresis and anisotropy, magnetostrictive materials, permanent magnets, piezoelectric materials, shape memory alloys, superconducting materials, and thermoelectric materials, among others)
- Mathematical modelling and formulations
- Multi-physics and coupled problems (electromagnetic field problems, fluid problems, mechanical problems, and thermal problems, among others)
- Numerical techniques
- Optimization algorithms (deterministic algorithms, hybrid algorithms, special optimization algorithms, and stochastic algorithms, among others)
- Optimization and design

---

### Guest Editor

Prof. Dr. Jong-Suk Ro

Electrical Energy Application Lab, Chung-Ang University, Seoul,  
Republic of Korea

---

### Deadline for manuscript submissions

closed (31 December 2021)



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/69773](https://mdpi.com/si/69773)

*Electronics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[electronics@mdpi.com](mailto: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), 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).