

## Special Issue

# Resonant Converter in Power Electronics

### Message from the Guest Editors

The Special Issue aims to present the latest advances in the theory, design, modeling control and prototyping of resonant converters in various industrial applications. Topics of interest for this publication include, but are not limited to:

- Resonant Power Converters for Automotive Applications;
- Resonant Power Converters for Wireless Power Transfer;
- Resonant Power Converters for Energy storage systems;
- Resonant Power Converters: Modeling and Simulation, Design and Control Method Optimization;
- Resonant Converters for EV Charging Stations;
- Resonant Converters for PV Applications;
- Resonant Converters in Electrotechnology Equipment;
- Resonant Converter for LED Lighting Applications;
- Resonant DC-DC Converter for Solid State Transformer Applications;
- AI based methods for Modeling, Design, Optimization and Control for Resonant converters;
- Trends and Future in the Development of Resonant Converters;
- Transformers and Passive Components for Resonant converters.

---

### Guest Editors

Dr. Tsvetana Grigorova

Dr. Nikolay Hinov

Dr. Dimitar Arnaudov

---

### Deadline for manuscript submissions

closed (15 June 2025)



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/216222](https://mdpi.com/si/216222)

*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).