

Special Issue

Design and Optimization of High-Frequency Power Converter

Message from the Guest Editor

This Special Issue focuses on the design and optimization of high-frequency power converters. The topics of interest include, but are not limited to:

- Topology, control, and modulation of high-frequency power converters;
- High-frequency switching techniques (resonant switching, switched capacitor);
- High-frequency switching circuits (magnetic design, gate driving circuit);
- Circuit count reduction design of high-frequency power converters;
- Application of wide band-gap devices in high-frequency power conversion;
- Layout and design techniques for high-frequency power converters;
- Industrial applications of high-frequency power converters.

Please click [here](#) to find information! Welcome to contribute!

Guest Editor

Prof. Dr. Woo-Young Choi

Division of Electronic Engineering, Jeonbuk National University, Jeonju 561-756, Republic of Korea

Deadline for manuscript submissions

closed (31 December 2020)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.3



mdpi.com/si/29931

Electronics

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 5.3



[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 (Physics, Applied) / CiteScore - Q2 (Control and
Systems 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 2.4
days (median values for papers published in this journal in
the second half of 2024).