



State-of-the-Art Power Electronics Systems

Guest Editors:

Dr. Antonio Pio Catalano

Department of Electrical
Engineering and Information
Technology, University Federico
II, 80125 Naples, Italy

**Prof. Dr. Vincenzo
d'Alessandro**

Department of Electrical
Engineering and Information
Technology, University Federico
II, via Claudio 21, 80125 Naples,
Italy

Dr. Ciro Scognamillo

Ciro Scognamillo Department of
Electrical Engineering and
Information Technology,
University Federico II, 80125
Naples, Italy

Deadline for manuscript
submissions:

31 May 2024

Message from the Guest Editors

Dear Colleagues,

The Topic Editors are inviting submissions for a Special Issue entitled “State-of-the-Art Power Electronics Systems”.

The scope of this Special Issue is to gather papers dealing with the analysis of electrical, thermal, and mechanical performances of state-of-the-art power electronics systems and with approaches to improve their reliability and mitigate detrimental effects induced by parasitics, thermal issues, solder delamination, and device failures. The manuscripts should be focused on—but not limited to—experimental characterization, modeling techniques (including model-order reduction), and low-resource-demanding, yet accurate, simulation methods where these topical issues are discussed.

The deadline to submit papers to this special issue is **15 October 2023**. However, papers submitted in advance will be peer-reviewed and may be published well before this deadline. For more details, please click [here](#).

We look forward to receiving your contributions.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and
Telecommunications,
Politecnico di Torino, 10129
Torino, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

Contact Us

Electronics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://twitter.com/electronicsMDPI)