

## Special Issue

# Applications and Design of Power Electronic Converters

### Message from the Guest Editors

We would like to invite you to submit original research and review articles to a Special Issue on the topic of “Applications of Power Electronics Converter” in *Electronics* (IF 2.690, Cite score 3.7). Power electronic converter technology has been widely used in new energy systems, energy storage systems, aerospace and other fields due to its great characteristics, which play a crucial role in the efficient conversion and utilization of electric energy. However, the operation range of power converters faces the challenge of wide input voltage, wide output voltage and wide output load, and their operating characteristics are greatly affected. In order to further improve the technology of power converters, power electronics converter designs and novel control strategies are essential. This Special Issue will include, but is not limited to, the following topics:

- Power conversion topology and control technology;
- Power conversion system performance improvement technology;
- Soft switch range extension technology;
- Converter dynamics and control design;
- Intelligent design and control technology;
- Wireless power transfer.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 January 2024)



## Electronics

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Impact Factor 2.6  
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## 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.

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### Editor-in-Chief

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