

Special Issue

Advanced DC Power Technology in Future End-to-End DC Power Grids

Message from the Guest Editors

This Special Issue thus aims to gather the latest research and advancements in the sector of DC power grids. It welcomes original and high-quality papers focusing on, but not limited to, the following areas:

- DC–DC converters in the MVDC and HVDC range.
- MVDC/HVDC power electronics.
- DC microgrids.
- Renewable DC power generation.
- HVDC transmission links.
- AC–DC and DC–AC converters.
- DC distribution networks.
- Novel DC loads.
- Role of DC power in novel commercial applications.
- Role of Artificial Intelligence (AI) in power grids.
- Role of AI in renewable power generation.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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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).