

Special Issue

Advances in Power Conversion Architectures

Message from the Guest Editors

This Special Issue intends to foster the latest research and demonstrate emerging topics in power conversion architectures for different kinds of power and energy systems. Prospective authors are invited to submit original contributions or survey papers, in which experimental results based on laboratory-scale hardware are desired to support the proposed ideas, for review and publication in this Special Issue. Topics of interest include, but are not limited to:

- New topologies for power electronic converters, including AC/DC, DC/DC, DC/AC, AC/AC, etc.
- New modelling and control methods for power conversion systems.
- Advanced modelling and control of power and renewable energy systems.
- Model predictive control for power converters.
- Auxiliary controls of power conversion systems for grid integration.

Guest Editors

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Deadline for manuscript submissions

closed (15 July 2024)



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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

Prof. Dr. Flavio Canavero

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