

Special Issue

Power Electronics Applications in Microgrid and Distributed Generation

Message from the Guest Editors

Prospective authors are invited to submit original contributions or survey papers for publication in *Electronics*. Topics of interest for this Special Issue include but are not limited to the following topics in the field of hybrid AC–DC microgrid and DG:

- Architecture and hardware design;
- New power electronics topologies;
- Design for reliability, resilience, and robustness;
- Artificial intelligence techniques in power electronics systems,
- Automation and communication issues in decentralized control strategies;
- Advanced and fault-tolerant control strategies;
- Multilayer (hierarchical) control schemes;
- Integration of renewable energy resources;
- Innovative (hybrid) energy storage devices;
- Energy management systems;
- Control and power-sharing between converters;
- Power quality and protection aspects;
- Industrial, experimental, and hardware-in-the-loop tests and validation

Welcome to contribute.

Guest Editors

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Dr. Alvaro Luna

Dr. Payam Teimourzadeh Baboli

Deadline for manuscript submissions

closed (31 December 2021)



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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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