

Special Issue

Power Converters for Photovoltaic Energy Processing: Topologies, Control and Applications

Message from the Guest Editors

This special issue aims at reporting original research in various aspects of power converters as enabling technology for efficient utilization of PV power generation systems. Topics of interest include, but are not limited to, the following:

- DC-DC converter topologies for PV applications;
- Integrated PV cell-converter architectures;
- Circuitual models of PV arrays;
- Maximum power point tracking algorithms;
- Inverter topologies for PV applications;
- Inverter modulation and control for ancillary services (e.g., power quality)
- Ride through and various grid support algorithms during faults (e.g., transient stability enhancement)
- Integrated PV power plants plus storage;
- PV power plants for electric vehicle charging;
- Artificial intelligence for control and optimization of PV systems;

Please click here to [find](#) more information! Welcome to contribute!

Guest Editors

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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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