Special Issue

Advances in Power Electronics for Distributed Energy Sources: Topologies, Modeling and Control

Message from the Guest Editor

This Special Issue aims to focus on advanced power electronic topologies and their modeling and controls in order to achieve reliable, energy-efficient, and cost-competitive advanced power grid systems. Topics of interest for this Special Issue include, but are not limited to, the following:

- Voltage source converter/inverter (VSC/VSI) for DERs;
- Novel nonlinear control methods for VSC/VSI;
- Artificial intelligence (AI)-based control approaches for VSC/VSI;
- Smart inverter modeling and control techniques;
- Advanced energy storage technologies for DERs;
- DC/DC converter technologies and associated control approaches.

Guest Editor

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Deadline for manuscript submissions

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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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