Special Issue

Advanced Control Methods and Artificial Intelligence Applications in Grid-Connected Inverters

Message from the Guest Editors

This Special Issue aims to provide a comprehensive platform for the exploration and dissemination of cutting-edge research using advanced control methods and artificial intelligence (AI) applications in grid-connected inverters. We welcome contributions that showcase the practical application of advanced control and AI methods in grid-connected inverters related to the smart grid across diverse engineering disciplines. The scope encompasses, but is not limited to, grid-connected inverters, microgrid, distribution networks, and transmission networks. This Special Issue seeks to highlight novel aspects of advanced control and AI methods utilized in real-world grid-connected inverter applications, emphasizing innovation, efficiency, and advancements in the field.

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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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