

Special Issue

Applications of Grid Forming Inverters for Power System Stability

Message from the Guest Editor

With the increasing adoption of utility-scale power electronic-based technologies (such as wind and photovoltaic generators and energy storage systems), the power system characteristics can change drastically. Accordingly, system behavior, measured using short-circuit ratios, rate of frequency change, frequency nadir, and unintended oscillations, and its associated changes and impact on system operators will evolve. This Special Issue aims to collate articles covering a range of phenomena, operational impacts and counter measures to ensure system stability of inverter-based resources (IBR), emphasizing on the modeling techniques, analysis methods, phenomena characterization, and solutions.

Guest Editor

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Deadline for manuscript submissions

closed (15 May 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.

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