

Special Issue

Advanced Simulation and Analysis of Smart Grids

Message from the Guest Editors

Smart grids are gaining popularity for their cost effectiveness, easier maintenance, better flexibility and safety, and higher automation level. The current energy crisis, unstable weather patterns, and increasing reliance on renewable resources are making grid management more and more demanding. Smart grids are an important element in handling these challenges, especially with the outlook of predicted growth in electricity demands and higher penetration of intermittent renewable sources. Advanced simulation and analysis of smart grids is an important field of research as smart grids not only help to mitigate specific problems but also introduce new challenges, mainly in the security domain. The main aim of this Special Issue is to attract high-quality contributions addressing recent advancements in the field of advanced simulation and analysis of smart grids, including microgrid systems in all its aspects, such as security, privacy, performance, etc.

Guest Editors

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Deadline for manuscript submissions

closed (15 December 2023)



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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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