

Special Issue

Smart Grids Technology and Its Applications

Message from the Guest Editors

The Smart Grid (SG) concept has attracted the research community all over the world over the past decade for transforming the electric power grid using information technologies (i.e., advanced automatic control and communications techniques, among others). These technologies play a crucial role in the realization of the SG concept from generation, transmission and distribution all the way to consumer appliances and equipment. Examples of these technologies are as follows: smart meters, energy storage devices, including electric vehicles, communication systems, IoT and artificial intelligence applications, etc. The SG concept allows energy to be generated, distributed and consumed more effectively and efficiently. You are welcome to submit an unpublished original research work related to the topic of “Smart Grid Technology and Its Applications”.

- communications and networking
- control and optimization in smart grids
- security and privacy
- machine learning
- distributed energy resources
- energy storage
- distribution automation system
- electric vehicles
- IoT
- optimal/predictive control

Guest Editors

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closed (31 March 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 guest-edited by leading experts in selected topics of interest.

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