Special Issue

Power System Dynamics, Operation, and Control including Renewable Energy Systems and Smart Grid: Technology and Applications

Message from the Guest Editors

The increasing trend of renewable energy use and energy storage technologies has led to the emergence of new practices in modern power systems. These new practices necessitate the strengthening of conventional energy systems to be dynamic smart networks that can communicate, store data, and make decisions to allow today's energy industry to switch to modern smart networks while expanding the use of clean renewables along with conventional resources. Accordingly, efficient procedures are needed to address these issues effectively at the academic and industrial levels. Further, new solutions must be sought to enable networks to deal with these developments to achieve flexible energy networks that can host high renewable energy penetration while maintaining acceptable levels of reliability and energy quality in a cost-effective manner. Hence, in this Special Issue, we are calling for original contributions that cover emerging challenges in power system dynamics, operation, and control, including renewable energy systems and smart grid technology and applications in modern power systems.

Guest Editors

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Deadline for manuscript submissions

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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 guestedited by leading experts in selected topics of interest.

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