Special Issue

Resilience Metrics Development for Power Systems

Message from the Guest Editors

The purpose of this Special Issue is to study metrics that could be used for quantifying the resiliency of power systems. Additionally, another purpose of this Special Issue is to determine how such metrics would be calculated for which systems under what conditions. Distribution and transmission infrastructures expanded over a wide geographic area are always affected by continuously occurring weather-related disasters. Therefore, a safe and reliable operation is essential for the obtainment of resilient power systems able to survive in hard conditions. Metrics to be investigated in this Special Issue are to be quantitative and defined based on the topology, hardware, and efficiency of the systems, reliability indices, and also the type and severity of threats. The accurate assessment of each of these metrics could help to properly understand the concept of resilience in power systems. Additionally, another aim of this Special Issue is to obtain an appropriate assessment of power network resilience by selecting an appropriate set of these metrics according to the type of threat and goal.

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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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