Special Issue

Power Grid Resilience

Message from the Guest Editor

The modern power grid is exposed to many threats and disturbances, including natural hazards, cascading failures, and cyber intrusions. Such events can lead to large-scale blackouts that can last for days, affecting not just the supply of power to the end-users, but also the operation of critical infrastructures such as water and wastewater systems, healthcare facilities, and telecommunication networks. To be resilient against such events, the power grid has to be capable of withstanding a major disturbance and restoring service to as many end-users as possible, quickly and with minimal costs. Power grid resilience can be viewed from different time frames: before the onset of an event, during the course of the event, or in its aftermath. This Special Issue of *Energies*, "Power Grid Resilience" is intended for disseminating new promising methods and techniques to model and analyze vulnerabilities in power and energy systems and to improve their security, reliability, and quality of service. Prospective authors are invited to submit original contributions or survey papers for review for publication in this Special Issue.

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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