



Enhancement of Reliability and Sustainability in Electric Power Systems

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Message from the Guest Editors

Dear Colleagues,

The reliability and sustainability of modern power systems are critical, especially for infrastructure power systems. For example, a power grid is defined as strategic infrastructure where faults and an unsustainable power supply may have a negative economic, functional, and defensive impact on the whole country or its areas.

The reliability and sustainability of power systems can be affected by several aspects. The first is the constantly increasing integration of renewable energy sources and distributed generation, increasing the risk of short circuits and over-voltages. These faults can cause significant damage to the power system. Therefore, it is important to develop modern protection methods and devices. The second aspect is cyber security. Cyber-attacks can cause confusion in the power grid's information systems as well as blackouts.

The aim of this Special Issue is to bring together original, theoretical, and practical ideas, in the hope of developing future trends in the fields of power system reliability and sustainability.





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