



## Power System Reliability

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### Message from the Guest Editor

Dear Colleagues,

The objective of the modern power system is to ensure the supply reliability at an acceptable cost while meeting environmental compliance. The renewable energy resources are being integrated at different levels of the power system because of their reduced adverse environmental impact as compared to fossil fuel-based resources. However, the increased penetration of these resources has introduced uncertainty and variability in the electric power system, which is a major concern for the system planning and the stable operation of the electric grid. Furthermore, there is a growing interest in the integration of different energy storage technologies to cope with the challenges brought by renewable energy resources. Research is being carried out to address the issues emerging from the ongoing changes in the modern power system. This Special Issue aims to present novel approaches for reliable power system planning and operation and the implications of renewable energy resources and storage technologies in power systems to achieve a reliable and cost-effective sustainable energy system.

Prof. Dr. Rajesh Karki  
*Guest Editor*





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## Message from the Editor-in-Chief

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