

Special Issue

Innovative Strategy of Protection and Control for the Grid

Message from the Guest Editors

The focus of this Special Issue is on the development of a coordinated protection and control scheme for the system, which reduces risk and improves grid resiliency. The post fault stability concerns will be a part of the decision-making process while addressing the protection issues, and hence, disastrous consequences can be avoided with minimum time delays. Moreover, this Special Issue also focuses on the seamless integration of energy storage with an existing grid with considerable penetration of renewable energy resources, leading to its universal deployment. As the deployment of battery storage, PV and wind generation is rapidly increasing, their optimal allocation would certainly improve grid resiliency during extreme events. Therefore, a new multi-objective optimization approach will be required to decide the optimal sizing and location of battery storage, PV, and wind generation for improved system resilience.

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