



Reliability Performance of Renewable Energy Technology under Uncertainty from Power Network Hosting Capacity

Guest Editor:

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This Special Issue aims to publish high-quality research papers on the interdisciplinary field of optimisation under uncertainty and targets new probabilistic methods (i.e., scalable computational solutions) for managing large-scale power system reliability, from long-term planning to real-time operation, with the introduction of a wide range of renewable energy technologies. Research sought includes innovative approaches to the analytical and simulation techniques (e.g., Monte Carlo, Markov, life-cycle, and risk modelling) for assessing frequency and duration of outages due to the penetration of low-carbon technologies and the lack of energy/power supply that also consider system reliability metrics expressed as accurate probability distributions.





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