Special Issue

Methods, Metrics and Tools for Power System Resilience Analysis and Enhancement

Message from the Guest Editor

The Special Issue “Methods, metrics and tools for Power System Resilience Analysis and Enhancement” is intended for a wide and interdisciplinary audience and covers topics such as:

- Probabilistic risk-based approaches for power system resilience assessment and enhancement to support operators in managing power systems over different timeframes (from planning to real-time operation);
- Methods to support operators’ decision making in order to improve power system resilience;
- Contingency and risk forecasting based on weather prediction systems to support operators’ situational awareness;
- Big data analytics and experimental activities for the characterization and the validation of the probabilistic models related to component vulnerability and threats;
- Probabilistic models of climate evolution in the next decades;
- Probabilistic modeling of cyberattack scenarios;
- Effective visualization of resilience analysis results, also exploiting geographical information system (GIS)-based tools.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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