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Reliability, Security and Resiliency of Smart Grids

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Deadline for manuscript submissions:
closed (15 September 2022)

Message from the Guest Editors

Dear colleagues,

We would like to invite submissions to the Special Issue of "Reliability, Security, and Resiliency of Smart Grids". Topics of interest for this Special Issue include, but are not limited to the following:

- Power system reliability challenges;
- Reliability and renewable energies;
- Cascading failures and blackouts;
- Data analytics and machine learning for reliability analysis;
- Smart grid resilience;
- Resilience through cross-domain (power/cyber) designs;
- Cyber and physical attack resilience;
- Cybersecurity for smart grids;
- Cybersecurity of energy management systems;
- Joint cyber and physical failures analyses;
- Data analytics and machine learning for cybersecurity;
- PMU-based sensing and control for reliability and security;
- Graph-theoretic reliability and security analysis;
- Event detection and locating in smart grids;
- Securing Internet of Things (IoT) for energy systems;
- Cyber-physical security for distributed energy resources.

Prof. Dr. Mia Naeini
Prof. Dr. Yi-Ping Fang
Guest Editors

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Special Issue

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Message from the Editor-in-Chief

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