

CALL FOR PAPERS



Special Session on Reliability & Resilience for Smart Grids by Big Data, Power Electronics & Energy Storage

IECON 2018 - The 44th Annual Conference of the IEEE Industrial Electronics Society
October 21-23, 2018, Washington D.C, USA



TOPIC OF THE SPECIAL SESSION

Due to the rapid development of Smart Grids in nowadays, various aspects and technologies to improve the reliability and resilience of the Smarts Grid are important and necessary to be studied and investigated. For example, different infrastructures and analytics, application of power electronics and energy storage, appropriate detection and control strategies, big data, etc. can enhance the grid reliability and resilience subject to failures, faults, and attacks, etc. We encourage researchers, engineers and students working in this area to submit papers to this special session.

Topics of the Session

- Infrastructure and analytics
- Transportation systems and control
- Micro-grid and control
- Energy storages and control
- Smart actuators and smart controllers
- Smart sensors and analytics
- Classification and detection
- Fault and failure management
- Data processing algorithms
- Interdisciplinary research, etc.

IEEE IES Technical Committee Sponsoring the Special Session
(if any):

- IEEE IES Technical Committee on Resilience and Security for Industrial Applications (ReSia)

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Author's schedule:

- Deadline for submission of special session papers
May 1, 2018
- Notification of acceptance
July 15, 2018
- Deadline for submission of final manuscripts
August 1, 2018