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Conference Venue:

5055 International Boulevard North Charleston, SC
<http://www.charlestonconventioncenter.com>



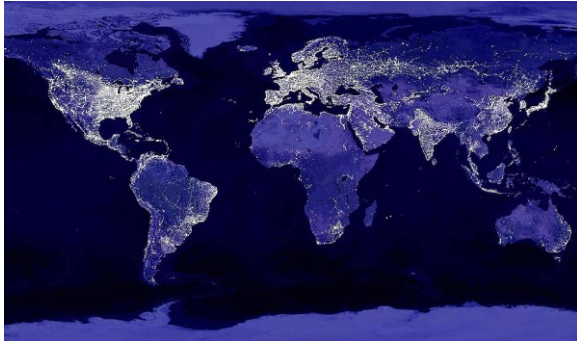
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CALL FOR PAPERS

2018 Clemson University
Power Systems Conference
September 4th-7th, 2018



Theme: Smart Grid Technologies & Innovation

Preferred topics include, but not limited to the following:

- Advanced Metering Infrastructure: practical utility applications & new technologies, SCADA systems, and metering systems
- Advanced Signal Processing for Smart Grid
- Carbon Economy in the Smart Grid Operations
- Control Center Applications: big data, situation awareness, real-time control and applications, visualizations
- Computational Intelligence and Paradigms for Smart Grid: big data analytics, evolutionary computation, fuzzy logic, neural networks, swarm intelligence and other computing/machine learning algorithms and paradigms.
- Cyber Security of the Smart Grid
- Electric Transportation and Smart Grids: electric vehicle charging/discharging strategies, grid interface and impacts, resilience, sustainability.

- Electromagnetic Pulse (EMP) and Smart Grids: Effects, impacts and potential solutions.
- Energy Efficiency and Consumption: business models, incentives, markets, policies and frameworks, and smart customers, loads and meters.
- Energy Harvesting and Conversion: smart power electronics, resilience, and sustainability
- Energy Storage Devices and Systems: batteries, fuel cells, super-capacitors, sustainable technologies
- Energy Market, Policies and Economics: big data, business models and intelligence, e-markets, incentives, and smart markets.
- Measurements and Instrumentations
- Micro-grids & Nano-grids: ac/dc systems, control and optimization, dynamic energy management, storage
- Next Generation Control Centers: Generation, transmission & Distribution control centers and system operators.
- Power System Analysis, Computation, Control and Stability, Economics, Markets, Modeling, Optimization, Protection, and Operations
- Power Systems Communication: power line communications, software defined networking, wireless technologies, and applications in control, metering, and monitoring
- Power Systems Security and Reliability: SCADA and EMS cyber security, physical security for facilities, regulatory compliance

- Renewable Energy Systems: Biomass, hydro, solar, wind and other renewable technologies and systems.
- Smart Grid Engineering Education: Innovative education for industry, professionals, university and workforce development.
- Synchrophasors in Smart Grids: distribution & transmission systems monitoring, control and management, EMS, situational awareness/intelligence systems.
- Wide Area Systems: monitoring, protection and control

Important Dates:

Submission of Abstracts: **April 9th, 2018**

Notification of Abstract Acceptance:

April 16th, 2018

Full Paper Submission: **May 25th, 2018**

All papers must meet IEEE paper publication guidelines and format.

Notification of Full Paper Acceptance: **June 18th, 2018**

Final PDF and IEEE © Form: **July 1st, 2018**

Advanced Registration: **June 15th, 2018**

Tutorials and Exhibit Setup: **September 4th, 2018**

Conference: **September 4th – 7th, 2018**

