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<http://psc.rtpis.org>

Conference Venue:

Madren Conference Center
James F Martin Inn
Walker Golf Course
Clemson University, Clemson SC, USA



Supporters and Exhibitors:

PSC offers opportunities to support and exhibit. We invite you to showcase your business and products at PSC 2020. Contact us for more information.



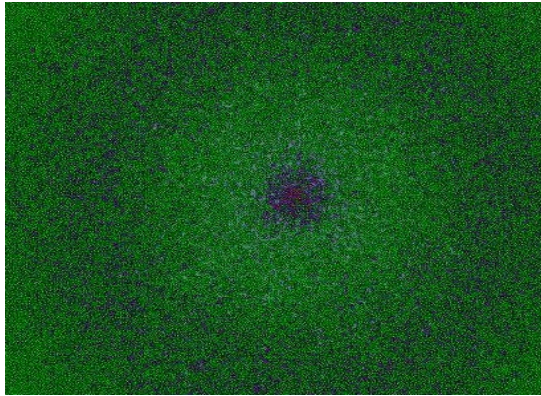
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CALL
FOR
PAPERS

*2020 Clemson University
Power Systems Conference
March 10th – 13th, 2020*



Theme: Intelligent Systems Applications in Smart Grid

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
 - Artificial Intelligence and Machine Learning
 - Carbon Economy in the Smart Grid
- Operations
- Condition Monitoring and Asset Management
 - Control Center Applications: big data, situation awareness, real-time control and applications, visualizations
 - Computational Intelligence for Smart Grid: big data analytics, evolutionary computation, fuzzy logic, neural networks, swarm intelligence, etc
 - Cyber Security of the Smart Grid
 - Demand Response and Management
 - 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.
- Forecasting: Load, renewable energy sources
- Internet of Things
- 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, and Operations
- Power Systems Communication: power line communications, software defined networking, wireless technologies, and applications in control, metering, and monitoring
- Power Systems Protection and Relaying
- 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.
- State Estimation
- Situational Awareness and Situational Intelligence
- Synchrophasors in Smart Grids: distribution & transmission systems monitoring, control and management, EMS, situational awareness/intelligence systems.
- Visual and Data Analytics
- Wide Area Systems: monitoring, protection and control

Important Dates:

- Submission of Paper Abstracts – **September 16th, 2019**
- Submission of Special Sessions Proposals – **September 16th, 2019**
- Submission of Tutorial Proposals – **September 16th, 2019**
- Submission of Panel Proposals – **September 16th, 2019**
- Notification of Abstract/Special Sessions Acceptance – **September 30th, 2019**
- Notification of Tutorials/Panel Sessions – **September 30th, 2019**
- Full Paper Submission – **October 31st, 2019**
- Notification of Full Paper Acceptance – **December 2nd, 2019**
- Final Camera-Ready Paper and IEEE Copyright Form – **December 16th, 2019**
- Advance Registration Opens/Closes – **December 2nd, 2019 /February 2nd, 2020**
- Tutorials and Exhibit Setup – **March 10th, 2020**
- Conference: **March 10th – 13th, 2020.**

