
General Co-Chairs:

Dr. Johan Enslin & Dr. G Kumar Venayagamoorthy
jenslin@clemsun.edu & gkumar@ieee.org

Technical Program Committee:

Dr. John Agee (South Africa)
Dr. Usman Aliyu (Nigeria)
Dr. A. Atputharajah (Sri Lanka)
Dr. Richard Brooks (USA)
Dr. Sunil Cherian (USA)
Dr. Keith Corzine (USA)
Dr. Inno Davidson (South Africa)
Dr. David Dorrell (South Africa)
Dr. Janaka Ekanayake (Sri Lanka)
Dr. Istvan Erlich (Germany)
Dr. Komla Folly (South Africa)
Dr. Masayuki Fujita (Japan)
Dr. Shuhui Li (USA)
Dr. Pinaki Mitra (Sweden)
Dr. Phuong Nguyen (Netherlands)
Dr. Jung-Wook Park (Korea)
Dr. Zia Salami (USA)
Dr. Edgar Sanchez (Mexico)
Dr. Ratnesh Sharma (USA)
Dr. Rajendra Singh (USA)
Dr. Wei Sun (USA)
Dr. Shanti Swarup (India)
Dr. Zita Vale (Portugal)
Dr. Neville Watson (New Zealand)
Dr. Rudi Wierckx (Canada)

<http://psc.rtpis.org>

Conference Venue:

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



Supporters and Exhibitors:

PSC offers opportunities to support and exhibit. We invite you to showcase your business and products at PSC18. Contact us for more information.



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: **March 16th, 2018**

Notification of Abstract Acceptance:

March 31st, 2018

Full Paper Submission: **April 30th, 2018**

All papers must meet IEEE paper publication guidelines and format.

Notification of Full Paper Acceptance: **June 1st, 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**

