

# 2019 Grid of the Future

NOVEMBER 3–6 2019 | ATLANTA, GA

HOSTED BY



#### Symposium Chairs:

David Roop  
USNC President  
[david.roop@dominionenergy.com](mailto:david.roop@dominionenergy.com)

Mark McGranaghan  
EPRI  
[MMcGranaghan@epri.com](mailto:MMcGranaghan@epri.com)

#### Technical Program Chair

John McDonald  
GE Grid Solutions  
[johnd.mcdonald@ge.com](mailto:johnd.mcdonald@ge.com)

#### CIGRE USNC Secretariat

B. Don Russell  
USNC Vice President  
Administration  
Texas A&M University  
[bdonrussell@tamu.edu](mailto:bdonrussell@tamu.edu)

Sharon Loe  
Program Coordinator  
Texas A&M University  
[s-loe@tamu.edu](mailto:s-loe@tamu.edu)

[www.cigre-usnc.org](http://www.cigre-usnc.org)

#### July 26, 2019:

Complete manuscripts must be submitted by July 26, 2019. The paper should be formatted in accordance with the CIGRE Publications Guide available at: [www.cigre-usnc.org/grid-of-the-future](http://www.cigre-usnc.org/grid-of-the-future)

The papers will be submitted via email to [GOTF@tamu.edu](mailto:GOTF@tamu.edu)

#### August 23, 2019:

Notification of acceptance.

#### September 27, 2019:

Deadline for submission of final paper with required changes.

Conference Information:  
Additional conference information is available at [www.cigre-usnc.org/grid-of-the-future](http://www.cigre-usnc.org/grid-of-the-future)

## Call for Papers and Participation

### CIGRE U.S. National Committee

The Grid of the Future Symposium, sponsored by the CIGRE US National Committee (USNC) and the Electric Power Research Institute (EPRI), and with the theme Technology for the 21st Century Electric Utility, will be held November 3–6, 2019 in Atlanta, Georgia, USA. The Symposium, hosted by Southern Company, will be a forum for the participants to discuss state-of-the-art innovations in generation, transmission, distribution, and innovative smart grid technologies. The Symposium will feature plenary sessions, technical paper sessions, and tutorials by international experts. Contributions from Next Generation Network (NGN) young engineers are encouraged.

### The Symposium scope covers the following general topics:

- Generation: Developments of Rotating Electrical Machines, Life Management of Generators, Rotating Machines for Dispersed Generation
- Transmission and System Operations: Wide Area Protection and Control, Synchrophasors and Wide Area Measurement Systems, SCADA/EMS of the Future, Integration of Large Scale Renewables, Physical and Cyber Security
- Distribution: Advanced DA/DMS Applications, Impact of Distributed Energy Resources (electric transportation, demand response, distributed generation, storage), Integration of Distribution Management with System Control and Markets
- Smart Grid: Advanced Sensors, Communications Infrastructure, Smart Grid Systems Architecture, Interoperability Standards, Cyber Security and Privacy Issues, Integration of Demand Response and Distributed Resources, Role of Microgrids
- Innovation: Advanced Modeling Approaches, OT/IT Convergence, Analytics for Asset Management, Performance Optimization, Reliability Assessment and Management, Characterization and Modeling of Geomagnetically Induced Currents, New Regulatory Models

### Tutorials:

The conference has reserved space for smart grid tutorials and panel sessions. If you are interested in organizing a tutorial or panel session, please contact John McDonald, Technical Program Chair at [johnd.mcdonald@ge.com](mailto:johnd.mcdonald@ge.com).