Call for Papers and Participation
CIGRE US National Committee (USNC)

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 October 28 - 31, 2018 in Reston, Virginia, USA. The Symposium, hosted by Dominion Energy, 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.