

# The CIGRE International Colloquium on the Evolution of Power System Planning to Support Connection of Generation, Distributed Resources and Alternative Technologies

## Technical Committee:

Program Chair: John McDonald, USNC  
Konstantin Staschus, Chair of SC C1  
Nico Smit, Chair of SC A1  
Andy Ott, Chair of SC C5  
Britta Buchholz, Chair of SC C6  
Yves Maugain, TC Secretary  
Mark McGranaghan, EPRI

## Local Organizing Committee:

Al DiCaprio, PJM Interconnection  
Albert.DiCaprio@PJM.com

## USNC Secretariat Contact:

Sharon Loe, Program Coordinator  
s-loe@tamu.edu  
979-845-7912

November 2-3, 2016  
Philadelphia, PA, USA  
For more information:  
<http://cigre-usnc.org>

## Submission Date

Complete papers must be submitted by July 29, 2016. The paper should be a maximum length of six pages, and formatted in accordance with the CIGRE Publications Guide available at <http://cigre-usnc.org/grid-of-the-future/>

The papers will be submitted via email to John McDonald:  
[john.mcdonald@qe.com](mailto:john.mcdonald@qe.com)

August 26, 2016

Notification of acceptance.

August 26, 2016

Reviewer's comments sent.

September 9, 2016

Receipt of final paper. The papers will be published on the US National Committee website and will be available for downloading from the website before the Colloquium for all registered participants.

For the CIGRE Call for Papers, visit <http://www.cigre.org/Events/Other-CIGRE-Events/Call-for-papers-2016-CIGRE-International-Colloquium-on-Power-System-Planning-Techniques-and-Standards>



## Call for Papers and Participation

### CIGRE US National Committee (USNC)

The CIGRE International Colloquium on the Evolution of Power System Planning to Support Connection of Generation, Distributed Resources and Alternative Technologies, sponsored by the CIGRE US National Committee (USNC) and Electric Power Research Institute (EPRI) will be held November 2-3, 2016 in Philadelphia, Pennsylvania.

The Colloquium is supported by Study Committees C1, A1, CS and C6 and focuses on the role of reliability standards and grid codes in defining the technical connection conditions of generation equipment, distributed resource technologies, demand response technologies and storage technologies. Since generation remains connected for decades, it must support the stable operation of the grid not only today, but also in the very different system of the future; more distributed generation, more fluctuating generation such as solar and wind power, smarter and more active distribution, empowered customers and demand response.

The Colloquium will immediately follow the CIGRE US National Committee Grid of the Future Symposium (GOTF), which will be on October 30 - November 1, 2016 in Philadelphia, Pennsylvania.

The Colloquium scope covers the following general topics:

- Application of reliability standards and grid codes for connection of generation, distributed resource, demand response and alternative technologies
- Comparisons and expectations of reliability standards and grid codes worldwide:
  - Evaluate readiness for fluctuating and distributed generation and demand response
  - Effects on generators and turbines
  - Dependence on network characteristics
  - Customer needs and expectations
- Market design and regulatory aspects of reliability standards and grid codes
- Impacts on distribution and transmission networks.