



Call for Papers

2015 CIGRÉ Canada Conference

Winnipeg, MB, Canada · August 31-September 2, 2015



"What's next for the Power Grid?"

The **2015 10th Annual CIGRÉ Canada Conference** on Power Systems will bring together the key players in the electric power systems sector: business leaders, system operators, manufacturers, engineers, policy makers, regulators and academics. The conference is a unique forum to share exciting new research, to raise issues and awareness, to discuss future directions, and to network with leading professionals.

Topics of special interest:

Topics: Papers are invited on all topics of interest falling within the conference theme and especially papers with the following focus:

1. HVDC and FACTS

- Challenges with recent HVDC projects
- Recent technological developments for VSC projects including HVDC breakers
- New HVDC configurations such as hybrid LCC-VSC
- Blackstart experience with HVDC
- Application of FACTS to support HVDC

2. Asset Management and Security

- Probabilistic risk-based planning, design and asset management
- Condition assessment & real-time condition monitoring
- Life-cycle management of AC and HVDC substations
- Cyber and physical security

3. Renewables and Integration

- Challenges with integration of large scale wind & solar generation
- Updates from current large scale studies

4. Power System Modeling and Simulation

- Applications of real time digital simulation
- Probabilistic planning and risk analysis
- Geomagnetic disturbance analysis tools
- Techniques for on-line security assessment

5. Smart Grid

- Smart Grid concepts and pilot projects (eg. energy storage)
- Integrating dynamic equipment ratings with EMS
- Applications of and experience with phasor measurement units
- Ice monitoring and de-icing technology
- Big data management and development of decision-making tools
- Demand side management

6. Emerging Transmission Equipment (***NEW***)

- Fault current limiters
- Protection and Automation
- Digital Substations

Submissions:

Authors should submit a **one-page abstract** through the online system at www.cigre.ca. The submitted abstracts will go through a peer review process. Upon abstract acceptance, a 6 to 8 page paper in CIGRÉ format must be submitted for the final contribution.

Accepted final contributions will be included in the conference proceedings and papers will be published in the online CIGRÉ library (www.e-cigre.org), provided the contributions are fully registered by at least one author and presented in person at the conference. See the web site www.cigre.ca for the submission instructions.

Special Poster Session for Students - Best Student Paper Award.

For more information, please contact the Technical Committee Chair: dajacobson@hydro.mb.ca

Important Dates:

March 15, 2015: (*NEW DATE*)

Deadline for submission of abstracts (via website)

April 15, 2015:

Notification of acceptance
Registration Opens

June 15, 2015:

Deadline for submission of final papers



Hosted by:

