



# Call for Papers

## 2020 CIGRE Canada Conference

Hilton Toronto  
Toronto, Ontario, Canada  
October 19-22, 2020 •



• [www.cigreconference.ca](http://www.cigreconference.ca)



### *"Utility of The Future"*

The 15<sup>th</sup> Annual CIGRE Canada Conference on Power Systems will bring together key players in the electric power systems sector: business leaders, system operators, manufacturers, engineers, scientists, policy makers, regulators and academics. Join some 400 participants from major organizations at this unique forum to share exciting new research and breakthroughs, raise issues or questions, discuss future directions, and network and exchange with leading professionals from all over the world.

#### Organizing Committee

Mark Poweska  
President & CEO of Hydro One  
General Chair

Darlene Bradley, Hydro One  
Program Chair

Bruno Jesus, Hydro One  
Technical Committee Chair

Mary Shen, Hydro One  
Technical Committee Co-Chair

Jigar Patel, Hydro One  
Technical Committee Technical Lead

Harneet Panesar & Ayesha Sabouba, Hydro One  
Local Arrangement Chair

Whitney Brhelle, Hydro One  
Communications

Suzanne Lafrenière, CIGRE Canada  
CIGRE Canada Coordinator

Steven Desrochers, Jaguar Expo  
Event Manager

### Topics of special interest

#### Efficient Electrification and Customer Participation

- Carbon-neutral energy sources
- Distributed energy resources (DERs)
- Energy autonomy and microgrids
- Electrification of transportation, V2G-V2H
- Energy storage, photovoltaic (PV) systems, HEMS and home automation
- Innovative business models

#### Asset Management

- Working and operating methods
- Manufacturing process, design, modelling, materials, degradation mechanisms, experimental science, signal processing, on-board measurement system (OBM), digital twins
- Forecasting tools and risk analysis

#### Smart and Flexible Energy System


- Network management centres, artificial intelligence, expert systems, simulation tools, computing platforms, blockchain, cybersecurity

#### Results and innovative applications related to CIGRE Study Committees themes

- A1 Rotating electrical machines
- A2 Power transformers and reactors
- A3 Transmission and distribution equipment
- B1 Insulated cables
- B2 Overhead lines
- B3 Substations and electrical installations
- B4 DC systems and power electronics
- B5 Protection and automation
- C1 Power system development and economics
- C2 Power system operation and control
- C3 Power system environmental performance
- C4 Power system technical performance
- C5 Electricity markets and regulation
- C6 Active distribution systems and distributed energy resources
- D1 Materials and emerging test techniques
- D2 Information systems and telecommunication



### Submissions

Authors should submit a **one-page abstract** through the online system at [cfa.cigreconference.ca](http://cfa.cigreconference.ca) before March 27, 2020. Upon abstract acceptance, a 6-8 pages paper in CIGRE format must be submitted by the final deadline. Accepted papers will be included in the conference proceedings and will be published in the online  library ([cfa.cigreconference.ca](http://cfa.cigreconference.ca)), provided at least one author is fully registered and presents the paper at the conference.



**Best Student Paper Award**

**Next Generation Network Best Paper Award**  
(young professional up to 35 years old)

Hosted by:



### Important dates

**March 27, 2020**  
Abstract submission deadline

**May 1, 2020**  
Notification of acceptance

**July 3, 2020**  
Final paper submission  
deadline

