

Bonjour Montréal!

SYMPOSIUM STEERING COMMITTEE

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Member SC C4	Wayne Guttormson / Marta Val Escudero
Member SC C5	Yannick Phulpin
Member SC C6	Kurt Dedekind
Member EHV & UHV	Stefan Tenbohlen

DEADLINES

Opening of the upload for Synopses/Abstracts	Sept. 10, 2024
Deadline for Synopses/Abstracts (English or English+French)	Jan. 27, 2025
Opening of registrations	Spring 2025
Comments on synopses from reviewers	March 10, 2025
Selection of Synopses/Abstracts by SCs and information to authors	March 17, 2025
Deadline for full papers	May 5, 2025
Comments on papers from reviewers	June 16, 2025
Feedback to authors of full papers	June 23, 2025
Final papers	July 14, 2025
Final papers on ConfTool	August 1, 2025
Power Point presentation	Sept. 1, 2025

Grid Enhancement, Strategic Planning, Technological Innovation and Climatic Adaptation for Resilient Future Energy Systems

The **2025 International CIGRE Symposium in Montreal** will bring together international, regional, and local key players in the electric power systems sector: **business leaders, system operators, manufacturers, engineers, scientists, policymakers, regulators, and academics.**

This will be a unique forum where the latest trends and developments within the evolving energy sector will be discussed, where exciting new research and breakthroughs will be shared, technical knowledge exchanged, and future directions discussed. This largely anticipated event will provide the opportunity to strengthen your professional network and build partnerships with key power and energy stakeholders from around the world.

This event will be hosted by the Canadian National Committee and will replace the successful annual Canadian event: **CIGRE Canada Conference & Exhibition**, which gathers some 700 Canadian and North American experts every year.

PREFERENTIAL SUBJECTS

PS1: SYSTEM ENHANCEMENT, MARKETS AND REGULATION

- Energy sector integration for efficient decarbonization
- Power system dynamics and interaction
- Renewable energy, DER, microgrids, EV, storage
- Power systems with high percentage of renewables
- Electrical installations on offshore and artificial Islands
- Large-scale renewable energy integration, transmission and regional Interconnection
- DC applications in distribution and transmission: onshore and offshore
- Substations, switchgears, MV and HV Equipment
- Increase transfer capacity

PS2: APPLICATION OF TECHNOLOGIES, INFORMATION TECHNOLOGY (IT) AND ARTIFICIAL INTELLIGENCE (AI)

- Innovative approaches on system design, construction, monitoring and maintenance
- Power quality performance
- Experiences with communication and cyber security in HVDC/FACTS systems
- Innovations and development of technologies, IT and AI tools for operation and maintenance

PS3: CLIMATE CHANGE AND EXTREME WEATHER EVENTS

- Identification, risk assessment and management for extreme weather events and increasing temperatures
- Managing assets for power systems and industry as climate changes
- Evolution of industry standards
- Development and deployment of equipment suitable for extreme weather events

EHV & UHV AC AND DC

- Insulation coordination
- Design of UHV/EHV AC and DC equipment
- Factory and field testing of UHV equipment
- Large projects based on UHV and EHV

PARTICIPATING CIGRE STUDY COMMITTEES (SC)

- SC A1** Power Generation & Electromechanical Energy Conversion
- SC A2** Power Transformers & Reactors
- SC A3** Transmission & Distribution Equipment
- SC B2** Overhead Lines (**co-lead**)
- SC B3** Substations & Electrical Installations

- SC B4** DC Systems & Power Electronics (**co-lead**)
- SC C1** Power System Development & Economics
- SC C3** Power System Sustainability & Environmental Performance
- SC C4** Power System Technical Performance
- SC C5** Electricity Markets & Regulation
- SC C6** Active Distribution Systems & Distributed Energy Resources

The **6th International Colloquium on EHV and UHV AC&DC** in association with IEC will also be part of the symposium.





PROGRAM

The full program will be available closer to the symposium and will include:

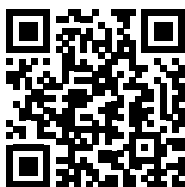
- CEO events
- Keynotes, Business and CEO panels
- Paper presentations
- Tutorials, Workshops
- Women in Energy (WiE) event
- Next Generation Network (NGN) events
- A large international Technical Exhibition
- Best paper and best NGN papers awards

The EHV and UHV AC&DC conference will also be included in the symposium. A Welcome reception, Banquet and other events will allow the participants to network. The symposium will end on the last day with a technical visit.

Individual meetings of **Study Committees** and **Working Groups** will take place before and in conjunction with the symposium. These are also unique opportunities for technical exchanges.

Information on activities for accompanying persons will be available before registration opens.

For more information on what to see and do, scan the QR code!



SUBMISSION OF SYNOPSIS

The quality of the papers is initially assessed on the basis of a synopsis. To this end, the synopsis must summarize the results and advances that will be described in the paper. A synopsis that only describes the context of the research will be rejected.

Study Committees involved in the symposium will manage the process of full Papers review with a Peer Review Panel composed by experts. The papers from other Study Committees will be reviewed by Canadian experts. Authors may be asked to make changes or adjustments to their papers. Final acceptance or non-acceptance is duly notified to authors.

Participants wishing to present and publish papers should submit synopses by following the instructions on website (www.cigre.ca), where the synopses and paper templates are also available.

All synopses, papers, and presentations must be in English or in French and English.

Please note that at least one author must present the paper at the symposium.

PAPERS PUBLICATION

Papers will be available to download one month in advance of the symposium for registered participants. One month after the symposium, papers will be available on www.e-cigre.org free of charge for CIGRE members. The CIGRE Science & Engineering (CSE) journal will publish the best papers selected from the symposium. The Technical Committee of the Symposium will produce a summary report of the symposium for publication in ELECTRA.

EXHIBITING & SPONSORSHIP OPPORTUNITIES

The event will welcome a large international exhibition as the one organized every year during the CIGRE Canada Conference & Exhibition.

Boost your international Sales and promote your expertise by showcasing your innovations and by meeting worldwide key decision-markers.

See www.cigre.ca for available sponsorship packages.

SYMPOSIUM VENUE

Palais des congrès Montréal, Québec, Canada

Located in the heart of the city, the Palais des congrès de Montréal, a carbon-neutral architectural masterpiece, is a premiere venue for large-scale events. Montreal is a beautiful city rich in culture with so many things to see and do. From enjoying the historic architecture of Old Montreal, to soaking in some of the local art and entertainment, to enjoying a delicious meal at one of the city's renowned restaurants, Montreal is sure to offer memorable experiences to all!

