

Welcome to the World of CIGRE!

Benefits of Collective Membership



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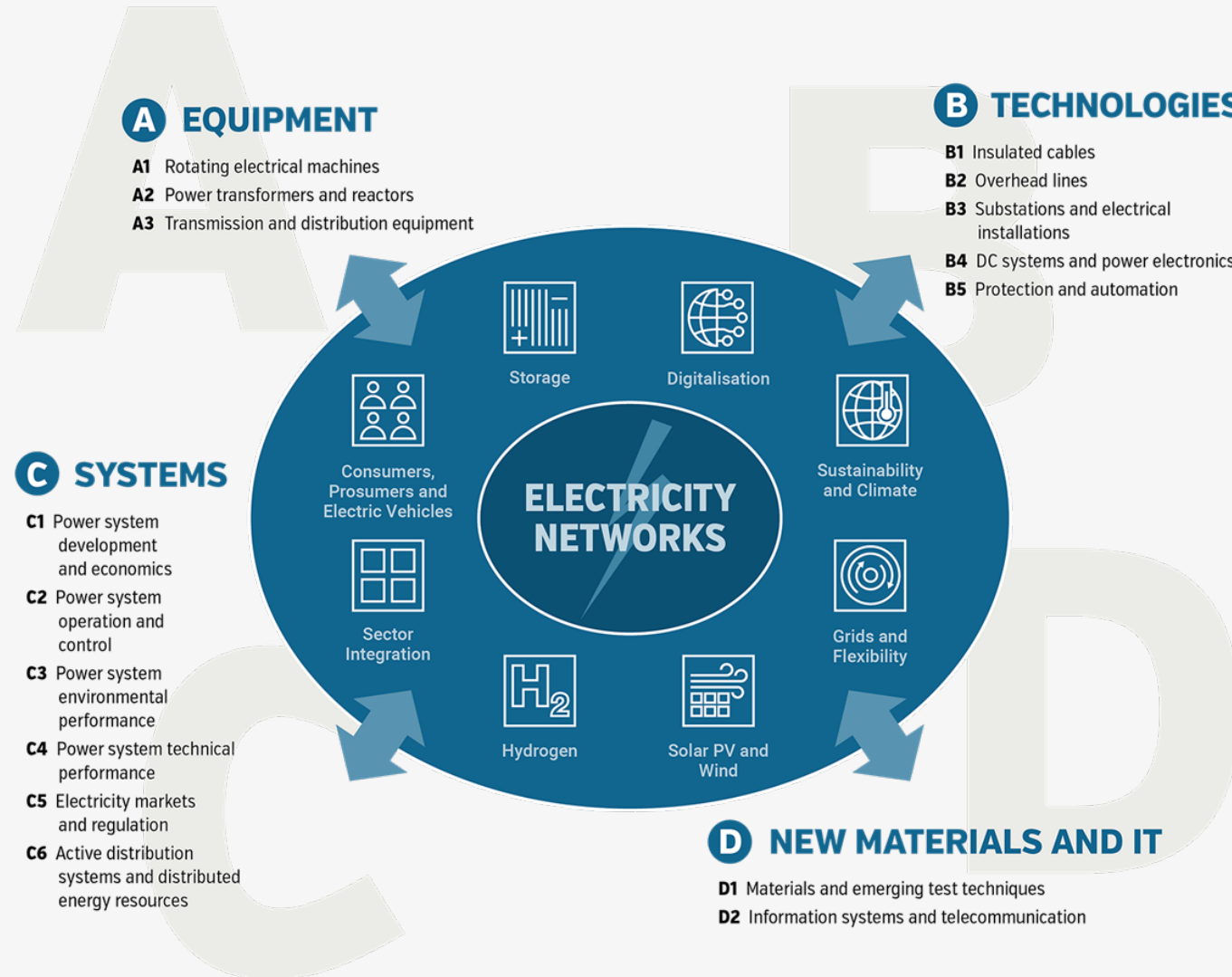
For power system expertise

Organization and Structure of CIGRE

- **61 National Committees** - each with its own chairperson, secretary, and local resources
- **Central Office** is led by the CIGRE Secretary General and provides global support and admin, based in Paris
- **The Knowledge Program** is set by the prestigious **Technical Council** and run by **16 global Study Committees** supporting **260+ Working Groups**
- **The Steering Committee** directs the organization and is led by the elected President, Vice President Finance, Vice President Technical (who is also the chair of the Technical Council) and the CIGRE Secretary General.



CIGRE Technical Domains for the Energy Transition



Access to CIGRE Publications

- Reference Papers
- ELECTRA (bimonthly digital magazine)
- CIGRE Science & Engineering Journal (CSE) (published three times per year)
- Green Books
- Papers and Proceedings
- Technical Brochures
- eCIGRE (home to CIGRE's resource of 12,000+ technical publications)

Recently Published Technical Brochures



The latest Technical Brochures are now available on [e-cigre](#):

- [TB 951](#): Transmission investment decision points and trees
- [TB 950](#): Hybrid LCC/VSC HVDC systems
- [TB 949](#): Experience Gained and Recommendations for Implementation of Process Bus in Protection, Automation and Control Systems
- [TB 948](#): Integration of hydrogen in electricity markets and sector regulation
- [TB 947](#): Fourth CIGRE international reliability survey on equipment operated in 2014-17 - Part 1: General results on transmission and distribution equipment
- [TB 946](#): The impact of the growing use of machine learning/artificial intelligence in the operation and control of power networks from an operational perspective
- [TB 945](#): Recommendations for a Performance Guideline of Solid Insulated Busbar Systems
- [TB 944](#): Effects of DC Bias on power transformers
- [TB 943](#): Evaluation of Voltage Stability Assessment Methodologies in Modern Power Systems with High Penetration of Inverter-Based Resources
- [TB 942](#): Role of Hydrogen in energy transition opportunities and challenges from technical and economic perspectives



CIGRE Green Books

- SC A2 Transformer and Reactor Procurement
- SC A3 Switching Equipment
- SC B1 Accessories for HV and EHV Extruded Cables – Volume 1: Components
- SC B1 Accessories for HV and EHV Extruded Cables – Volume 2: Land and Submarine AC/DC Applications
- SC B2 Overhead Lines
- SC B2 Compact Overhead Line Design
- SC B2 Techniques for Protecting Overhead Lines in Winter Conditions
- SC B2 Modelling of Vibrations of Overhead Lines Conductors
- SC B3 Substations
- SC B4 Flexible AC Transmission Systems
- SC B5 IEC 61850 Principles and Applications to Electric Power Systems
- SC C1 Power System Assets – Investment, Management, Methods and Practices
- SC C4 Power System Dynamic Modelling and Analysis in Evolving Networks
- SC D2 Utility Communication Networks and Services
- All SCs Electricity Supply Systems of the Future



Green Books are CIGRE's flagship reference publications. CIGRE members receive a 40% discount.

CIGRE WGs (Most Recent)



- TOR-WG C5.41: Regulation and market design to foster decarbonization through industry electrification
- TOR-WG B5.88: Implementation guide for fully digital IEC 61850-based protection, automation and control systems
- TOR-WG D2.63: Inter-control center communications protocol (ICCP) security and resilience for grid reliability
- TOR-WG D2.62: Efficient spectrum allocation and utilisation for electric power industry private communication networks
- TOR-JWG A2/C4/D1.77: Design of transformers for very fast transient overvoltages
- TOR-WG D2.60: Consumer-side digital models and twins applications
- TOR-WG A2.76: Power transformer passive protection against internal arcing faults
- TOR-WG C5.40: Framework for retail competition in electricity markets
- TOR-WG A2.75: Tap changer specification, condition assessment, testing and maintenance guidelines

Joining a CIGRE WG



- Interested candidates must have Individual Member dues paid, company support for international travel each year, and send CV to VP, Technical Activities for nomination
- Each National Committee can have one Full Member and one NGN Member on each WG
- VP, Technical Activities inputs candidate's information into CIGRE Working Group Management Platform
- WG Convener will finalize membership list and begin WG activities
- If more candidates are interested in same WG than can be nominated, the VP, Technical Activities can establish a 'Shadow or Mirror WG' within US National Committee

As a Collective Member, your Organization has Access to...



- [The CIGRE library](#) (eCIGRE) with over 12,000+ technical publications including:
 - Technical Brochures – coming out of CIGRE's 16 Study Committees and their 260+ Working Groups covering all aspects of the power industry
 - Colloquia, Symposia, Paris Session, and other reference papers
 - Other reports, webinars, books, and journals
- [ELECTRA magazine](#) has the latest CIGRE news and expertise.
- [CIGRE SCIENCE AND ENGINEERING journal](#) has the range of in-depth technical papers drawn from across the vast work of CIGRE.
- [Technical papers from past and future Grid of the Future Symposiums](#)
 - When selecting an archived page to view past GOTF Papers or Presentations, it will ask for a password.
 - The password for accessing papers and presentations from past years always follows this format: **GOTF** (all caps) followed by the four-digit year the event took place.
 - For example, if you wanted to access archived materials from 2021, the password would be GOTF2021.

Activating your Member Number for your eCIGRE Account

1. Visit <https://www.e-cigre.org/>
2. Next, go to “My Account” in the top right corner and enter your email address.
3. Complete the required fields below to finish registering your account.
4. Once you have successfully created your account, you will receive an email with a link to activate your account.
5. Once your account is activated, you will be able to input your Member Number into the “My Personal Information” tab on your profile. This will allow free access to digital publications.

*Collective Member Administrators can authorize access to individuals, manage rights and keep track of who is using their collective account from their organization. For more information, visit this [page](#).

Universities
receive 3 subscriptions

Companies with <500
receive 10 subscriptions

Companies with >500
receive 50 subscriptions

As a Collective Member, you can also Sponsor a University... Here's How

1. The Collective Member selects a university for sponsorship and contacts that university to establish a designated professor who will act as the liaison for the University CIGRE USNC account.
2. The collective member should inform [Sharon Loe](#) the University they would like to sponsor and the contact person's name and email address.
3. The USNC office will mail the sponsoring collective member the invoice and send a welcome email to the University contact.

Here are the Benefits that Sponsored Universities Receive...

- The sponsored University receives unlimited membership accounts on eCigre.
- Students are eligible for complimentary CIGRE student memberships while enrolled, granting them individual eCigre accounts.
- Members receive discounted rates at USNC CIGRE events such as the annual Grid of the Future symposium and the Paris Session.



Networking

- The best practical ways to start connecting are:
 - Attend CIGRE events including:
 - Colloquia, Symposia, and the [Paris Session](#)
 - Attend and/or sponsor CIGRE USNC events including:
 - [The Grid of the Future™ Symposium](#)
 - [CIGRE USNC Annual All Members Luncheon & Meeting](#) held in conjunction with [The IEEE PES General Meeting](#)
 - Join [Working Groups](#)
 - Go to LinkedIn and find collaboration events promoted by following [CIGRE USNC](#).

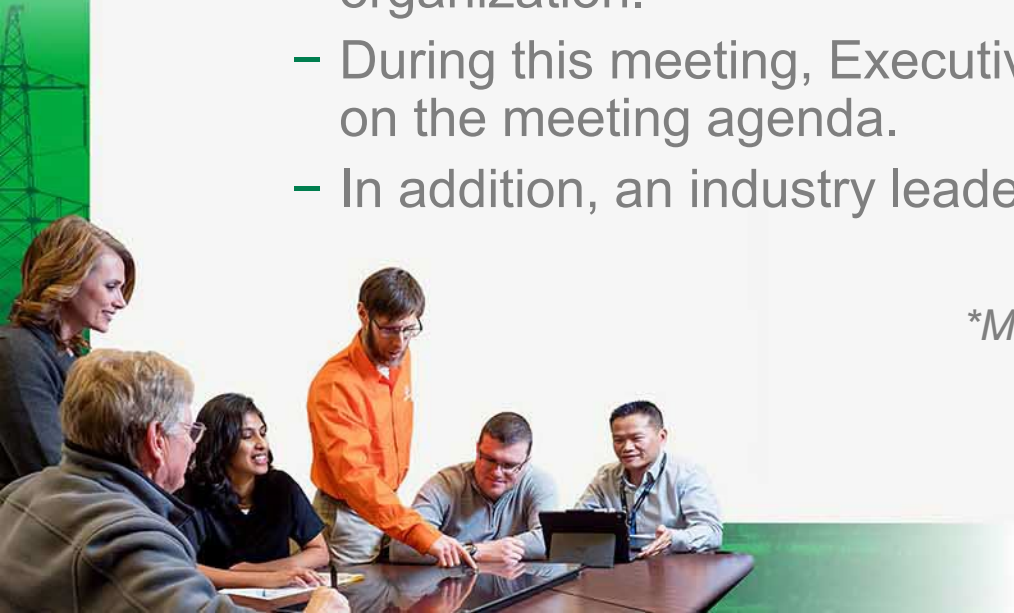


CIGRE USNC Annual All-Members Luncheon & Meeting



- CIGRE USNC hosts an annual all-members luncheon and meeting in conjunction with the [IEEE PES General Meeting](#).
- [The CIGRE USNC All-Members Luncheon & Meeting](#) will be held on **Tuesday, July 29, 2025 from 12-2PM** at the [JW Marriott](#) in Austin, TX.
- Immediately following the all-members meeting, CIGRE USNC hosts an **Executive Committee Meeting**.
 - The ExCom meeting consists of representatives from each Collective Member organization.
 - During this meeting, Executive Committee members discuss and vote on topics listed on the meeting agenda.
 - In addition, an industry leader will join the meeting to discuss relevant industry topics.

More information will be available on the [event website](#).





The Grid of the Future™ Symposium

- This year's [Grid of the Future™ Symposium](#), sponsored by **CIGRE USNC** and hosted by **POWER Engineers**, will be held **November 10-13, 2025** in **Denver, CO**.
- The symposium will be a forum for the participants to discuss state-of-the-art innovations in generation, transmission, distribution, and innovative smart grid technologies.
- This event features plenary sessions, technical paper sessions, and tutorials by international experts.

More information will be available on the [event website](#).



Thank You for Becoming a Collective Member of CIGRE USNC

Should you have any questions, please contact:

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For power system expertise