



International Association for Power System Expertise

CIGRE

Press Kit

A century of expertise serving the global power system

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CIGRE, International Association for Power System Expertise

100+

years of expertise

25,000

members worldwide

140

countries represented

CIGRE is a **non-profit and independent organization** established a century ago to support the development of electricity. With more than 25 000 members in over 140 countries, its community combines local expertise with a global vision, integrating every player in the electricity value chain.

It brings together researchers, engineers, suppliers, regulators and decision-makers, all committed to sharing knowledge and collaborating to ensure a **reliable, affordable and sustainable electricity supply for all.**

By offering access to working groups, state-of-the-art publications and world-class events such as the Paris Session, **CIGRE helps its members consolidate their expertise, develop practical recommendations and find innovative solutions.**

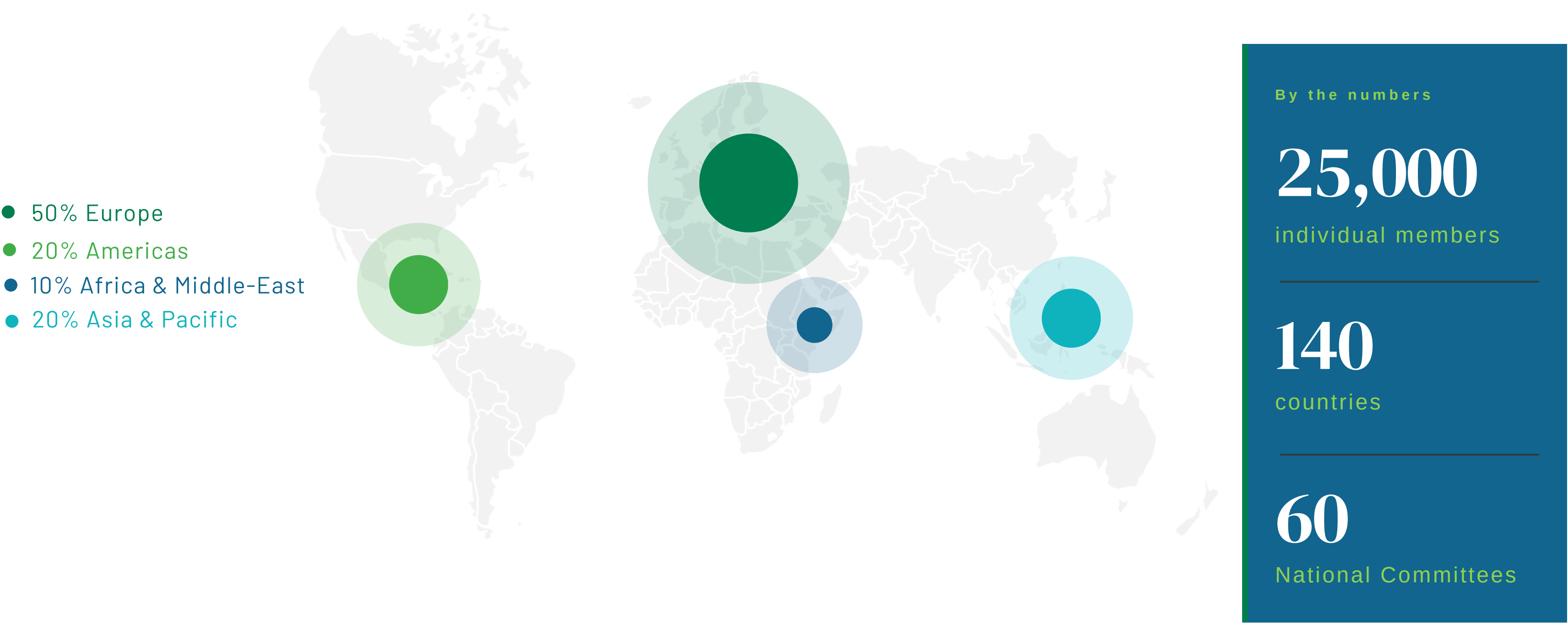
Over the years, **CIGRE has been able to adapt to the incredible growth of the electricity sector.** Today, as electricity penetrates every aspect of life (homes, mobility, healthcare, industry...), CIGRE meets current societal and environmental challenges, positioning itself as a key enabler of the energy transition.

A Century-Old Association, Founded in 1921 to Support the Development of Electricity



“From a single conference in Paris in 1921 to a worldwide academy, CIGRE has continuously adapted to the growth of electricity in every aspect of modern life.”

A Global Community, 25 000 Members in 140 Countries



Utilities, Across Every Continent

- AEMO (**Australia**)
- Alexandria Electricity Distribution Co (**Egypt**)
- American Electric Power (**USA**)
- Amprion (**Germany**)
- Ausgrid (**Australia**)
- Canal Electricity Distribution Co (**Egypt**)
- CESP – Companhia Energética de São Paulo (**Brazil**)
- Chubu Electric Power Grid Co. Inc (**Japan**)
- Delta North Electricity Distribution (**Egypt**)
- EDP (**Portugal**)
- Elia Asset n.v. (**Belgium**)
- Elektro Ljubljana (**Slovenia**)
- Energinet Eltransmission A/S (**Denmark**)
- Energy Queensland (**Australia**)

- Endeavour Energy (**Australia**)
- Endesa S.A. (**Spain**)
- ENDESA (**Chile**)
- Eskom Holdings (**South Africa**)
- Fingrid Oyj (**Finland**)
- GCC Interconnection Authority (**GCC**)
- Hydro One Networks (**Canada**)
- Hydro-Québec (**Canada**)
- Irbid District Electricity Company (**Jordan**)
- JEPCO – Jordan Electric Power Co (**Jordan**)
- LEW Verteilnetz GmbH (**Germany**)
- Light Energia (**Brazil**)
- National Grid (**UK**)
- Netz Burgenland Strom (**Austria**)

- ONS (**Brazil**)
- Rede Eléctrica Nacional S.A. (**Portugal**)
- Redes Eléctricas Inteligentes (**Spain**)
- RTE (**France**)
- SA Power Networks (**Australia**)
- Saudi Electricity Company (**Saudi Arabia**)
- SGCC (**China**)
- Svenska Kraftnät (**Sweden**)
- Tasmanian Networks (**Australia**)
- TEPCO Power Grid (**Japan**)
- UFD Distribución Electricidad (**Spain**)
- Vattenfall Eldistribution AB (**Sweden**)
- Vattendall Eldistribution (**Sweden**)
- Western Power (**Australia**)

Why Utilities join CIGRE?

Access to peer benchmarking, neutral technical reference, and a global view of grid reliability, market evolution and sustainable operations.

Manufacturers, Shaping the Grid of Tomorrow

- GE Vernova (**USA**)
- Hitachi Energy (**Switzerland**)
- Hyosung (**South Korea**)
- LS Electric (**South Korea**)

- Maschinenfabrik Reinhausen (**Germany**)
- Nexans (**France**)
- Prysmian (**Italy**)

- Shemar (**China**)
- Siemens AG (**Germany**)
- Siemens Energy (**Germany**)

Why manufacturers join CIGRE?

Direct dialogue with operators on real-world performance, contribution to international standards, and early visibility on emerging power-system requirements.

Academics & Research, Fostering CIGRE Innovation Spirit

Universities

- Cambridge University (UK)
- China Electric Power Research Institute (China)
- Electric Power Research Institute (EPRI) (USA)
- Harvard University (USA)
- Indian Institute of Science (India)

Research Institutes

- McGill University (Canada)
- Mitsubishi Research Institute (Japan)
- Oxford University (UK)
- Polytechnique Montréal (Canada)
- University of Washington in St. Louis (USA)
- VTT Technical Research Centre (Finland)

**Academic members bring
scientific rigour to CIGRE working
groups**

Why academics and researchers join CIGRE?

Academic members find a unique channel to translate research into real industrial practice across the world.

Regulators, Associations & Consultancies, Engaged in CIGRE's Neutral Technical Content

Regulators

- Agencia Nacional de Energia Elétrica **(Brazil)**
- Central Electricity Authority **(India)**
- United Nations Economic Commission for Europe **(UNECE)**

Associations

- Chinese Society for Electrical Engineering **(China)**
- Energy Networks Australia **(Australia)**
- GIMELEC **(France)**
- Korean Institute of Electrical Engineers **(South Korea)**

Consultancies

- CESI **(Italy)**
- DNV **(Norway)**
- Tractebel Engineering **(Belgium)**

Why regulators, associations and consultancies join CIGRE?

Access to technical knowledge, peer exchange and influence on the evolution of power systems.

CIGRE Governance, Global Coordination with Strong Local Engagement

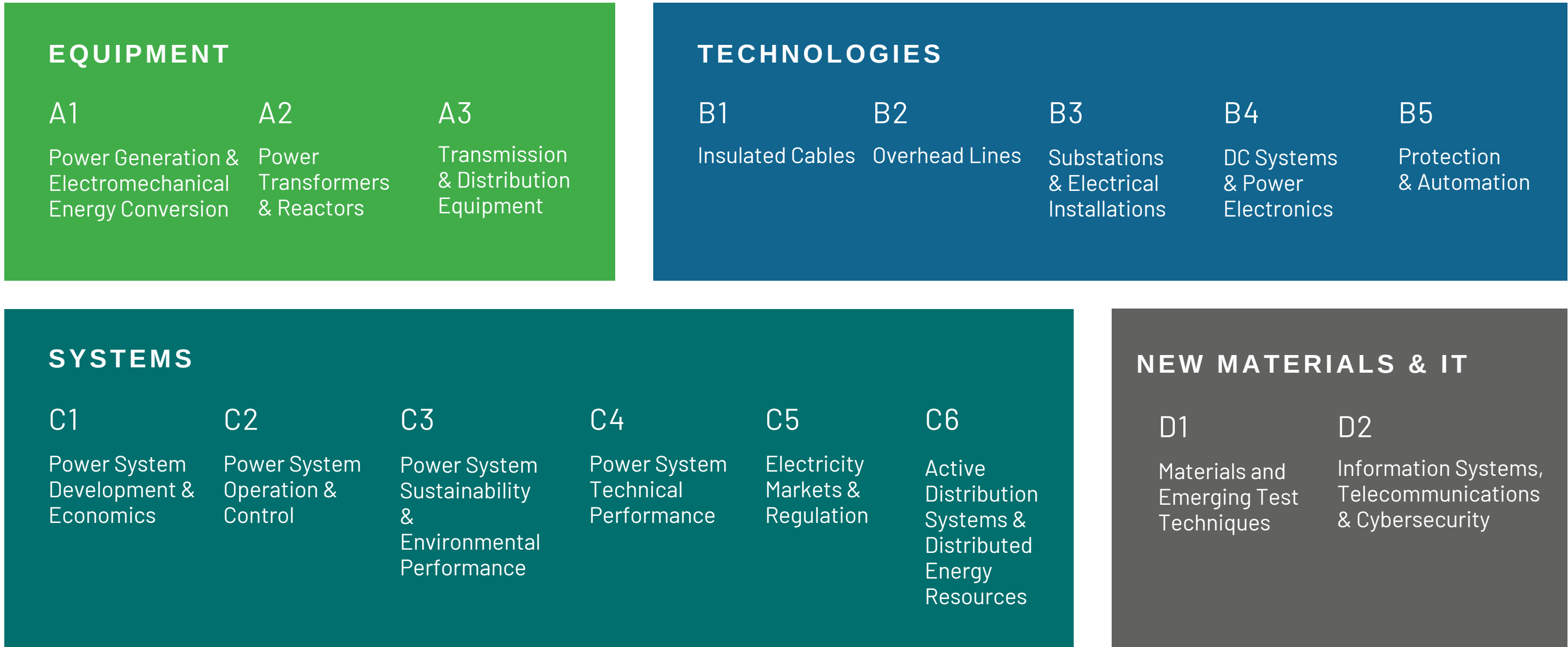
Leadership Team

President Konstantin O. Papailiou		Technical Council Chair Rannveig Loken	
Treasurer Michael Heyeck		Secretary General Philippe Adam	

Global structure

- **60**
National Committees are coordinating CIGRE activities in their country
- **Central Office in Paris**
Headquarters orchestrating the worldwide CIGRE community

16 Study Committees – 320+ Active Working Groups



eCIGRE, the Reference Library for the Global Power System

Key Numbers

13 000 + Technical brochures, papers, tutorials and reference documents

1 M Page Views

87 000 Users

216 000 Downloads

What you will find in eCIGRE

Technical Brochures

Working-group reports, the heart of CIGRE's output.

Session & Symposia Papers

Peer-reviewed contributions from every Paris Session.

ELECTRA Magazine

The bimonthly CIGRE magazine.

Green Books & Tutorials

Educational resources synthesising decades of expertise.

Access the library → ecigre.org

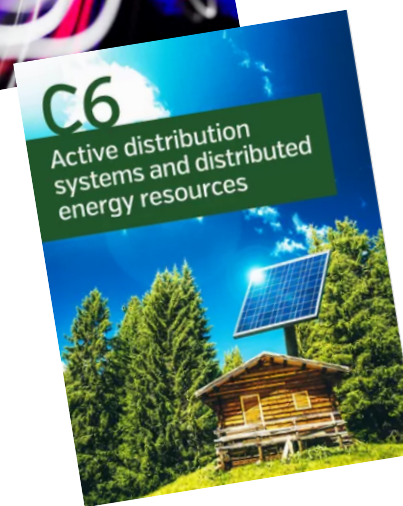
Publication Examples

[Multi-frequency stability of converter-based modern power systems.](#)

[Subsynchronous Oscillation Studies in Power Electronics Dominated Power Systems.](#)

[Aggregation of Battery Energy Storage and Distributed Energy Resources.](#)

[Design Guideline for Substations Connecting BESS.](#)

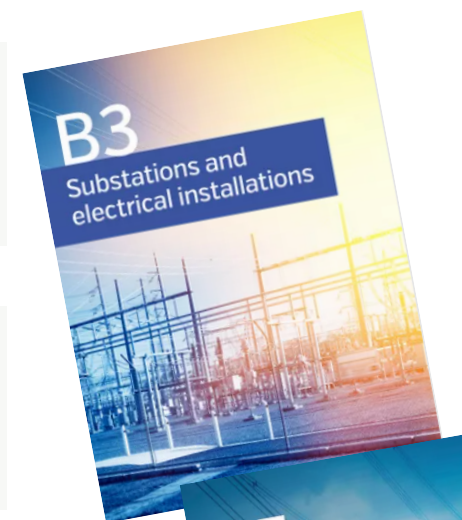


[Advanced Consumer Side Energy Resource Management Systems.](#)

[Operator Training in Electricity Grids at Different Control Levels.](#)

[Wide Area Monitoring Protection & Control Systems.](#)

[Optimal Transmission & Distribution investment decisions under increasing energy scenario uncertainty.](#)



Access the library → ecigre.org

Paris Session & + 100 Events Worldwide Every Year

Flagship event

Paris Session

The CIGRE signature event, organized every even-numbered year in **Paris**. The August 2024 edition gathered **4 500 + delegates**, **11 000 + visitors worldwide**, **300 + exhibiting companies**. More than 99 countries were represented.

Next edition
23 – 28 August 2026

Symposia

A focus on specific technical topics

Upcoming editions: **Germany** and **Thailand** in 2027

Colloquium

Supporting working-group activities

Seoul, South Korea — 27 Oct – 1 Nov 2026

Regional & National Conferences

Local engagement, year-round

Organized by National Committees on every continent

CIGRE at the Heart of the Energy Transition

“The energy transition is not optional and CIGRE's technical expertise is essential to making it happen.”

A backbone for every sector

Giving that electricity is becoming the backbone of all sectors, CIGRE's technical knowledge has never been more critical.

An indispensable expertise

From integrating renewables to securing massive electrification, CIGRE working groups deliver the engineering expertise that the transition needs.

A key global actor

A global network, technical leadership and a neutral approach, positioning CIGRE as a key actor shaping sustainable and reliable power systems worldwide.

CIGRE Innovation & Education Fund

A worldwide program providing **grants for research, scholarships and educational initiatives** dedicated to the global advancement of power-system technology and expertise.

Initial seed capital
provided by the CIGRE community

€1.5 M

Who will receive the grants

R&D

Research & development

Projects, programs and potential graduate-scholarship funding within those initiatives.

STEM

Educational projects

Focused on future growth of power-system expertise in Science, Technology, Engineering and Mathematics.

Access

Sustainable electricity for all

Humanitarian projects and programs enabling access to reliable, sustainable electricity worldwide.

Contacts & Information

Press & Communication

Imane EL ATIA
imane.elatia@cigre.org

Juliette BOIDOT
Juliette.boidot@belgravia-dc.com

More Information

www.cigre.org

www.ecigre.org

www.session.cigre.org