How to Convene & Effectively Participate in CIGRE Technical Working Groups

Thursday 18th January 2024 , 12:00 -13:00 Online

CIGRE UK

Women in Energy

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Speakers

Prof. Jun Liang

Dr Charlotte Higgins

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Agenda

- Introduction to Women in Energy
- Introduction CIGRE Study Committees
- Sharing experiences in convening groups and the opportunities to support
  - Presentation from Prof. Jun Liang and
  - Presentation from Dr. Charlotte Higgins
- Q&A
- Closing Remarks

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Women in Energy

CIGRE UK

Vision and Mission WiE CIGRE UK

Vision:

To inspire women to have a valued career and showcase their full potential in the UK Energy Sector

Mission:

1. Actively address barriers to women achieving their full potential and strengthen our allies
2. Enable and promote the participation, contribution of women to the CIGRE technical working groups and showcasing their potential
3. Create a supportive community that fosters networking opportunities, advocacy and growth of women in energy sector

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Steering Committee
CIGRE UK Women in Energy (WiE)

Dr. Biljana Stojkovska CEng FIET Chair	
Faith Natukunda Technical and Working Group Lead	**Margi Shah** Collaboration and Soft Skills Events Lead
Dr. Grazia Todeschini Technical and Working Group Lead	**Kalliopi Karathanasi** Collaboration and Soft Skills Events Lead
Angela PP Technical and Working Group Lead	**Ewa Krzywkowska** Collaboration and Soft Skills Events Lead
Beatrice Chong CEng MIET Technical and Working Group Lead	**Dr. Tina Chou** International Collaboration Lead

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Proposed activities in 2024

1. **January 2024:** “How to Convene & Effectively Participate in CIGRE Technical Working Groups” - Webinar
2. **April 2024**: Application of Artificial intelligence (AI) in Energy Sector and empowering people with learning disabilities – in person event
3. **June 2024** : International Women in Engineering Day – Webinar
4. **October 2024**: Collaboration between academia and industry – in person event

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Introduction CIGRE Study Committees

Welcome to the world of CIGRE

- A global community for the collaborative development and sharing of power system expertise
- Not for profit, established in Paris, France 1921
- 61 National Committees – NCs
- 15000 members from over 90 countries
- 1200+ organisations spanning the global power system
- Includes some of the world's leading experts
- Connecting power systems professionals and diverse perspectives from all over the globe

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CIGRE's 16 domains of work each has a dedicated Study Committee

Group A – Equipment:

A1 Rotating electrical machines
A2 Power transformers and reactors
A3 Transmission and distribution equipment

Group B – Technologies:

B1 Insulated cables
B2 Overhead lines
B3 Substations and electrical installations
B4 DC systems and power electronics
B5 Protection and automation

Group C – Systems:

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

Group D – New materials & IT:

D1 Materials and emerging test techniques
D2 Information systems and telecommunication

Watch a short video on the programme structure including a summary

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How to get involved in CIGRE

- Memberships – Individual, Collective and Newly Qualified Engineers and Students
- CIGRE active Technical Working Groups Call for experts

CIGRE Working Groups approved in 2023

- TOR-WG C1.51_The potential roles of energy storage in electric power systems
- TOR-WG B2.91_Long overhead line spans design practices and field experience-rev1
- TOR-WG B4.99_Design and construction of offshore voltage source converter (VSC) stations
- TOR-WG B4.101_Industrial implementation and application of grid forming energy storage systems (GFM ESS)
- TOR-WG B4.100_Dynamic active and reactive power supporting devices for VSC HVDC systems
- TOR-WG C2.45_Estimation, evaluation and provision of power system inertia in networks with a high share of renewable generation-rev1
- TOR-JWG A2_D1.72_Retrofill of mineral oil in transformers – Motivations, considerations and guidance
- TOR-JWG C3_B2.24_Methods of reducing electrocution of birds from power lines

- Other Groups - Women in Energy, Next Generation Network
- CIGRE UK's Ambassador Programme (to engage individuals within CIGRE UK's Collective membership)

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