

CIGRE UK University Hubs London Hub Inaugural Event 6th May

Welcome from Dr. Jiajie Luo, CIGRE UK NGN Chair



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For power system expertise



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Next Generation
Network

CIGRE UK University Hubs

A university-based community to connect, support and enable the next generation of power systems professionals and others associated with the universities to become more engaged in research and projects within the power system area.

- The University Hubs are for everyone (next generation, experienced, academia and industry...)
- The University Hubs are being led by NGN on behalf of CIGRE UK.
- Regional Hubs. Each University Hub is hosted by a lead educational institution and available to all other educational institutions within that region.

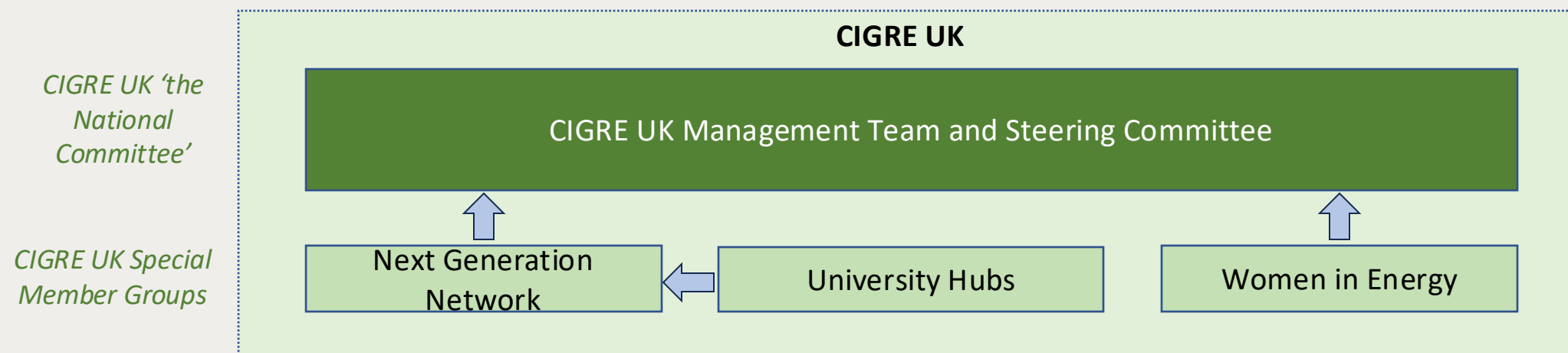


Fig. 1: CIGRE UK University Hubs Functional Organisation Hierarchy

University Hubs - Benefits

- **Membership development:** Local students and early career researchers can be invited to the hub and consider becoming NGN members and participate in local CIGRE events. Others can become full CIGRE Members.
- **Local Support:** Providing local support for events held by CIGRE UK.
- **Reputation and awareness:** The local hubs will build CIGRE UK reputation and presence in local communities and institutions by delivering technical activities and providing networking opportunities.
- **Education:** Young professional training and professional development by collaborating and networking with senior CIGRE members.
- **Innovation:** Provide a platform for people to work on innovative topics and projects and share more widely across CIGRE UK.
- **Skills development:** Hub members can improve their soft skills like leadership and teamwork through supporting the local CIGRE events, leading interest groups, collaborating with colleagues etc.

Development of University Hubs



NGN will:

- Provide operational support and oversight to University Hubs.
- Facilitate the establishment of new University Hubs.
- Coordinate and enhance communication among different University Hubs.
- Serve as a bridge between University Hubs and other sections of CIGRE UK, to strengthen communication and cooperation.
- Support events and activities of University Hubs.

CIGRE UK

Next Generation Network (NGN)

Who are we?

- A professional network for students & young engineers in the power industry
- To engage with CIGRE's activities ("The Gateway to CIGRE")
- To develop knowledge, skills and contacts within the power industry.

How can you get Involved?

- Become a CIGRE UK NGN member (Send an email to membership@cigre-ngn-uk.org or follow the instructions at <https://cigre.org.uk/ngn/join-ngn/>)
 - Free for students & first 3 years for young professionals
- Participate in NGN events (Technical webinars, site visits, educational events)
- Get involved in CIGRE activities (Join international Working Groups, Attend CIGRE conferences)
- Become a CIGRE UK NGN committee member



NGN Events and Activities

- Mentoring Schemes
- Workshops and other Events
 - Power Electronics Aiding the Electrical Transmission System, | Mar
 - NGN and B3 Substation Fundamentals Training Course and GE Visit | Mar
 - Collaboration event with IEEE PES WIP Region 8 and NGN UK, Ireland, Sweden | Apr
 - Emerging Power Electronics Technologies, | Apr
 - Birmingham Decarbonisation Summer School 2024 | Jun
 - Electric Vehicle Charging Infrastructure and Technologies | Jun
 - CIGRE NGN Webinar - Future of Digital Substations | July
 - CIGRE Paris Session 2024 NGN Activities | Aug
 - CIGRE Study Committee A2 Factory Visit | Nov
 - Evolution of Power system Protection and Life Cycle Mgmt | Nov
- Supporting Study Committee activities, Collaboration with IEEE, CIGRE NGN International Committees
- 2025 events:
 - Evolution of PS Protection and Life Cycle Management | Feb
 - A2-NGN Presentation Competition and HV lab visit | Mar
 - International Executive Committee meeting, Ireland | Apr
 - Hydrogen Electrolysis Plants: System Integration and Services | Apr



Birmingham University Hub Past Events

1. [20231208](#): How E-CIGRE Accelerates Research — Inauguration Event of CIGRE UK NGN UoB Hub
2. [20240304](#): Distinguished Industrial Lecture on HVDC and FACTS by Carl Barker
3. [20240426](#): Distinguished Industrial Lecture on new power electronics technologies by Dechao Kong
4. [20240617-0621](#): (Co-organised) Birmingham Decarbonisation Summer School (BDSS) : Accelerating Energy Transition towards Net-Zero! (Day [1](#), [2](#), [3](#), [4](#), [5](#))
5. [20240725](#): Electric Vehicle Charging Infrastructure and Technologies by Dr Moumita Das

6. [20241020](#)

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Well Done and Congratulations to London Hub from NGN



Thank You!



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