

CIGRE UK Next Generation Network Introduction
University of Birmingham
7th December 2023



cigre

For power system expertise



cigre
Next Generation
Network

Speaker: NGN Vice Chair - Jiajie Luo

- Siemens Gamesa Renewable Energy
Advanced Software and Control Engineer
- Vice Chair of CIGRE UK NGN 2022- Now
- Secretary and Treasurer of CIGRE UK NGN 2021-2022
- CIGRE UK Technical Committee Secretary
- CIGRE working group involvement
B4/C4.93 Grid forming converter
- PhD Power System Engineering, University of Birmingham



About the

CIGRE UK

Next Generation Network (NGN)

Who are we?

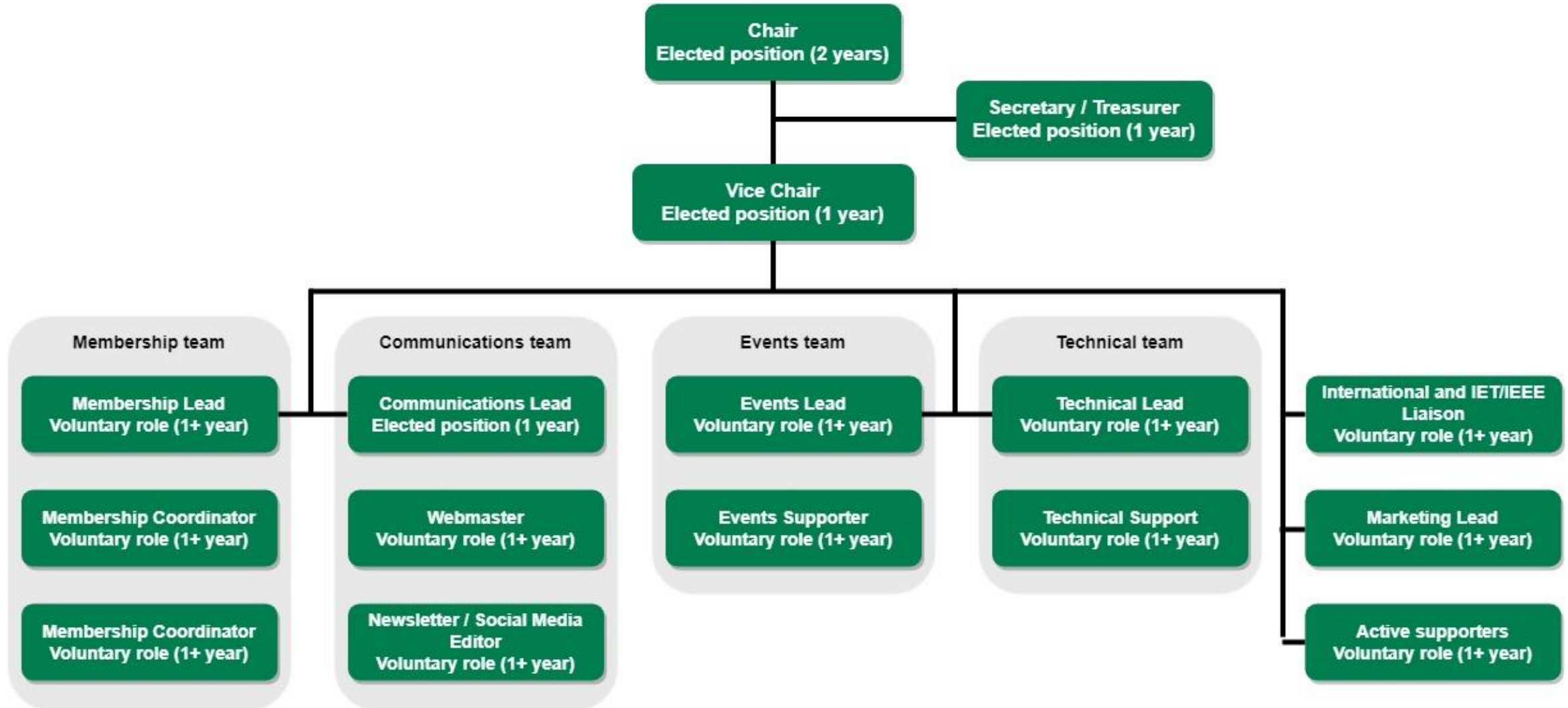
- A professional network for students & young engineers in the power industry
- To engage with CIGRE's activities ("The Gateway to CIGRE")
- To develop knowledge, skills and contacts within the power industry.

How can I get Involved?

- Become a CIGRE UK NGN member (Send an email to chair@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



Organisation Chart of the NGN



Introduction – The Team



Jianing Li
Chair



Jiajie Luo
Vice-Chair



Nan Chen
Secretary and Treasurer



Qinghua Han
Membership Team Lead



Siva Kaviya,
Trichy Siva Raman
Events Team Lead



Margi Shah
Technical Team Lead



Wei Gan
Communications Team Lead



Zhou Yue
Past Chair



Introduction – The Team



Jingyi Wan



Maria Irina



Keerthi Kandukur



Lois Efe



Margi Shah



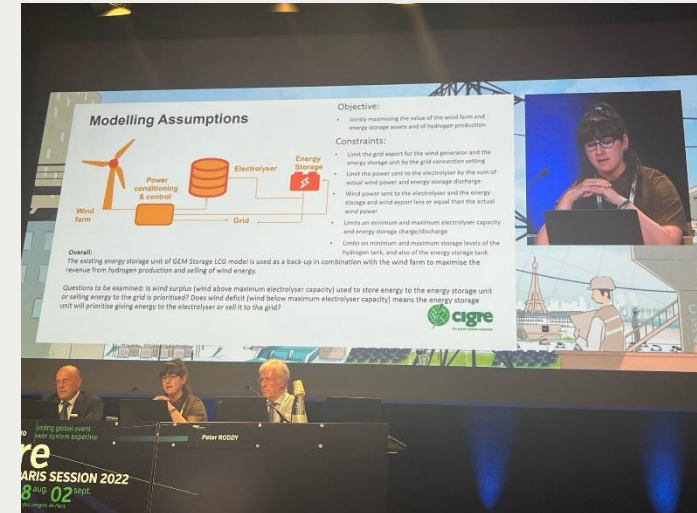
Yiliang Fan



Benefits of Joining the NGN

- Free
 - For students
 - First 3 years for young professionals
- NGN events
- Get involved in CIGRE activities:
 - Join international Working Groups
 - Support CIGRE-UK Shadow Study Committee Panels
 - Join the NGN Steering Committee
 - Publish Papers in Working Groups and CIGRE conferences
- Personal Development and route to Chartership
- Remember: You don't need to be an expert to join!

CIGRE NGN PARIS 2022



NGN Activities – 2023 Summary

1. Successful Events and Workshops

- 4th December 2023, CIGRE UK NGN AGM, Birmingham
- November, CIGRE UK NGN and Netherlands NGN collaborative event
- 4th August 2023, CIGRE UK NGN National Grid ESO Control Room in person visit
- 19th July 2023, CIGRE UK NGN and NGN Ireland collaboration event on "Hydrogen and Energy Storage, Enabling the Net Zero Transition"
- 26th June 2023, CIGRE UK NGN and NGN Austria collaboration event "How to succeed in Net-zero transition – Technical & Economical aspect "
- 17th May 2023, CIGRE UK Technical Webinar "Protection of Future Power Networks Dominated by Converters: Recent Learnings on Challenges and Potential Solutions"
- 19th April 2023, CIGRE UK/IEEE PES Webinar "Enabling the Transition to Net Zero "
- 18th January 2023, JWG B4-C4.93 Development of Grid Forming Converters for Secure & Reliable Operation of Future Electricity Systems in collaboration with CIGRE France NGN & Study Committee B4

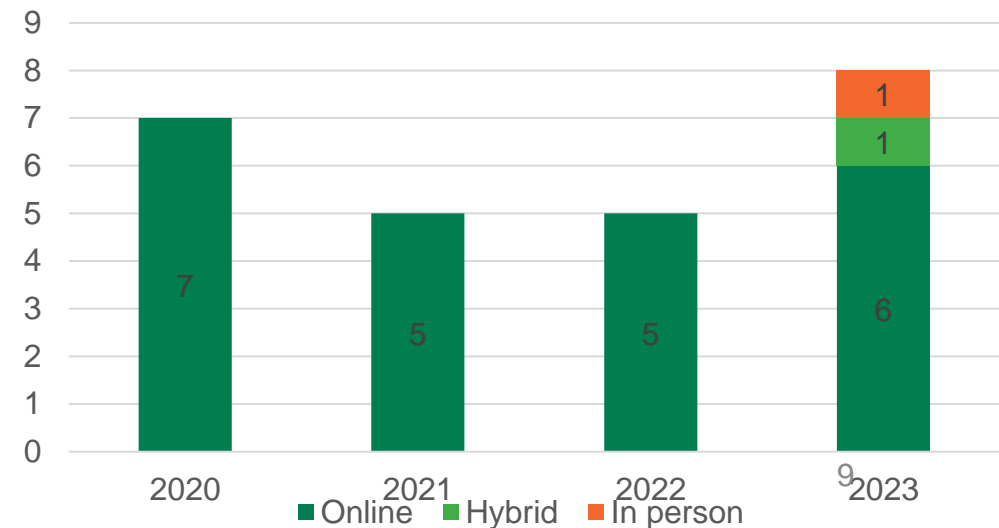
2. Support SC activities

3. Collaboration with IEEE, CIGRE NGN International Committee

4. Ambassador Programme

5. CIGRE UK Awards

6. CIGRE UK NGN Process Review



Upcoming Events

- LinkedIn page - <https://www.linkedin.com/company/cigre-uk/>
- Newsletter subscription - <https://cigre.org.uk/ngn/>

Thank you!



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