



1. Name, organisation, job role.

Yanni Zhong, Siemens Wind Power, Research & Development Engineer

2. Motivation for nominating yourself.

Role: Chair

Motivation: Expanding the influence of CIGRE NGN in the field of power electronics and continuing my professional development.

3. Suitability for nominated position

The following three points are what I am proposing if elected as Chair of CIGRE NGN:

1. Develop new area of technical topics and industry relationships in power electronics

CIGRE NGN has developed a strong professional network in power system, high voltage and power plant. However, there is a clear gap in the portfolio in terms of power electronics and machine drives. I have over 5 years of research and development experiences in the field of power electronics and I am currently the capacitor specialist in Siemens Wind Power. During my PhD, I initiated the first IEEE Industry Application Society student branch chapter in the UK at the University of Strathclyde. In this role, I was able to organise seminars and distinguished lectures with both academics and industrial companies in the UK and worldwide. This experience will hopefully help CIGRE NGN to widen its professional sphere and include young professionals in the field of power electronics and renewables.

2. Collaboration with academics, IEEE and IET

Apart from academic and IEEE resources, I also have connection with IET London Network Committee. Those are all resources for future cooperation if I have the chance to be part of the NGN committee.

3. Increase influences oversea

As the current European SB area chair of IEEE IAS, I have connections with university student branches from Europe, USA and Asia. The good work done at CIGRE NGN can be better disseminated and advertised among the IEEE communities, in particular, young professionals.

4. Any previous relevant experience, including other positions held in the NGN.

Positions:

Chair of IEEE IAS/PES, University of Strathclyde SBC, 11/2015-5/2016

- Organise regular meetings
- Organise factory/industry visit trips and distinguished lectures

European SB area chair of IEEE IAS, 1/2016 – now

- Helped to form three other student branch chapters in the UK
- Organised workshop at IEEE R8 meeting, Iceland, 2016
- Initiated student led international conference in Glasgow 2018
- Setting up job and internship subcommittee for IAS and student members

Main events:

Siemens Wind Power Annual Meeting, Crewe, 01/2017

- Chaired technical discussion session and summarise discussion results

International seminar - Power Electronics Driving Future Energy Technologies, Glasgow, 05/2016

- Initiated and organised this event
- Invited IAS president, IEEE fellow, Professors/distinguished lecturers from Denmark, UK, China, USA
- Attended by local and international students, as well as people from industries

Inauguration meeting, Glasgow, 11/2015

- Organised and initiated the first IAS SB chapter in the UK
- Invited IAS president, IEEE fellow, IEEE R8 previous director and IEEE IAS UK area chair