



2016 Summary

In 2016, the NGN held three webinars, a two day seminar held jointly with the IEEE, and a Q&A panel session at the Australian University Power Engineering Conference. CIGRE Australia NGN also had a substantial role in the Paris Session Young Members' booth and associated activities.

Currently Australian NGN has approximately 290 members. This year had a strong focus on encouraging NGN members participate in the activities of the broader CIGRE community such as Australia Panel meetings (as guests or company representatives), working groups and the CIGRE Paris Session. At least fourteen NGN members attended Australia Panel meetings in 2016, four members are company representatives on Australia Panels, four NGN members are current members of CIGRE working groups, and six NGN members attended the Paris Session.

2016 NGN Community Events

The NGN held the following webinars in 2016:

- *Alternative Refurbishment Strategies – Steel Towers* by Dr. Colin Brown, Technical Director – Energy, AECOM Australia (B2)
- *The challenges and opportunities of rooftop PV uptake* by Wai-kin Wong, Senior Network Dynamics Engineer, Electranet (C6)
- *Anti-islanding Protection and Its Requirements in the Australian Context* by Winodh Jayewardene, Principal Electrical Engineer, AECOM (B5)

The NGN held the following seminars/events in collaboration with other organisations in 2016:

- A two day seminar on *Wind Generation and its Grid Connection* held jointly with IEEE QLD and NSW Power and Energy Society Chapters by Professor Janaka Ekanayake, University of Peradeniya, Sri Lanka on 7th and 8th April 2016 (B4)
- A Q&A panel session as part of the Australian Universities Power Engineering Conference (AUPEC) held in Brisbane from 25th to 28th September. The panel included Emma Rogers (B5 NGN Liaison & 2016 Paris Scholarship recipient) and was facilitated by NGN member Nick Pappapetros.

NGN Australia Panel and Working Group Involvement

In 2016, a number of NGN Members attended A2, B2, B3, B5, C2, & C6 Australia Panel meetings. In addition to offering seminars and webinars, this year the NGN actively sought to get young engineers involved in CIGRE through attending Australian Panel meetings and participating in working groups.



2016 Paris Session Involvement

A number of Australian NGN members were actively involved in the 2016 Paris Session.

- Matthew Ridgley (2016 Paris Scholarship recipient) presented during the B3 discussion meeting and collated feedback from CIGRE NGN members regarding potential B3 preferential subjects for 2018 Paris session.
- Emma Rogers (2016 Paris Scholarship recipient) presented a poster in B5 poster session.
- Robert Alcaro organised the Young Members' booth at CIGRE Session 2016, and the Young Members' Forum, site visit and social event.
- Beer Opatsuwan assisted with the design of the Young Members' booth.
- Alexandra Price presented at the Young Members' Forum on how the Australian NGN engages its members.

As a result of the Australian NGN's presence at the Paris Session, we have had a number of requests to provide information to other countries which are setting up their own NGN groups such as South Africa, Chile and Spain.

Broader Exposure of CIGRE and NGN Members

In addition to core CIGRE activities, NGN members have been involved in the promotion of CIGRE and the power engineering to the broader industry and society as a whole;

- Nick Pappapetros chaired the NGN panel session at the inaugural CIDER event.
- Emma Rogers presented at the Australian Power Institute Summer School on 29th February in the Sunshine Coast about the Australian NGN and the opportunities it provides for young engineers.
- Tara-Lee MacArthur chaired the 2016 CIGRE Seminar *a Presentation of CIGRE's Global Work* held in conjunction with TechCon on 11th April in Sydney.
- Angela Rozali (NGN Membership Co-ordinator) had her profile published on the Science and Technology Education Leveraging Relevance (STELR) website (<http://www.stelr.org.au/career-rozali>) and as a consequence was selected to represent young Australian engineers at the Young engineers Leadership day in London as a part of the annual International Council of Academies of Engineering and Technological Sciences (CAETS) Convocation.
- Alexandra Price spoke to students about working in the power industry and the benefits of CIGRE Involvement at the QUT Electrical Engineering Student Society Industry Night on 20th September.

Overall, CIGRE Australia NGN has had a very successful year. We thank the broader CIGRE community for their support and are very much looking forward to an even better 2017!!