

International Study Committee Meeting and Colloquium 2013

Study Committee B3 (Substations) and Study Committee D1 (Materials and Emerging Test Techniques)

Hosted by Cigre Australia

Brisbane, Australia – September 8-13, 2013



Introduction

A 2-day Colloquium will be held in Brisbane on 9 - 10 September 2013. The Colloquium theme, “Managing Substations in the Power System of the Future - Trends in Technology, Design, Materials and Diagnostics” has been designed to align with Cigre’s major strategic focus on the Power System of the Future.

The Colloquium will be held in conjunction with the annual meeting of Study Committee B3 (Substations) and D1 (Materials and Emerging Test Techniques).

The event date has also been chosen to coordinate with the CIGRE Auckland Symposium to be held on September 16-17, 2013, titled “Best Practice in Transmission and Distribution in a Changing Environment”.

Leading international experts in the fields of substations, high voltage materials and substation testing and diagnostics will attend the Colloquium and will provide an opportunity for authors and attendees to demonstrate and be exposed to international trends and experience.

Preferential Subjects

1: Latest Developments in Substation Design:

- The application and development of IEC61850, NCIT’s and new types of communication protocols, equipment and systems and integration into existing substations
- Old issues but new approaches - minimising fire risk, oil containment, substation security, non-standard layouts, new switchgear types for space restrictions
- Environmental management, stakeholder awareness and public sensitivity issues including global warming, SF₆ management and replacement
- Hybrid HVDC and AC substation design and operation challenges

2: Impact of Modern Materials and Emerging Test Techniques on Substation Equipment:

- New developments and performance of environmentally friendly solid and liquid insulating materials and gas mixtures in substation applications
- Materials for HVDC applications and diagnostic methods related to DC voltage stress (e.g. PD measurement under DC voltage stress)
- Experiences with UHVAC and UHVDC equipment including in-service, laboratory and on-site testing

3: Life Cycle Management and Maintenance:

- Substation up-rating, upgrading and extension approaches and experience
- Maintenance optimisation, life assessment and extension methodologies and experiences
- Substation equipment performance improvements and reliability of monitoring, diagnostics and testing equipment and systems



Host City

Brisbane is the capital of Australia's subtropical "Sunshine" state, Queensland. It is a vibrant yet relaxed lifestyle city and is an emerging centre of culture and innovation in Australia. It is near major tourist attractions such as beaches and rainforests and within easy reach of Fraser Island, the world's largest sand island, and Australia's Great Barrier Reef.

Participants

The Colloquium is expected to attract owners of generation, transmission and distribution networks, and planners, designers, asset management, testing and diagnostics professionals, equipment manufacturers and suppliers, universities and research laboratories.

Program

Sunday 8 September 2013

Registration and Welcoming Reception

Monday 9 September 2013

Registration
Day 1 of Colloquium

Tuesday 10 September 2013

Day 2 of Colloquium

Wednesday 11 September 2013

Workshops/ Tutorials

Thursday 12 September 2013

Study Committee B3 and D1 Meetings

Friday 13 September 2103

Technical Tour

Advisory Group and Working Group meetings will be held during Saturday 7 September to Friday 13 September 2013.

Following the Brisbane Meeting, head over to Auckland, New Zealand for the International Symposium beginning Monday 16 September 2013.



Call for Papers

Authors wishing to present papers at the Colloquium are invited to submit an abstract of 250 to 500 words, which clearly indicates the topic to be covered, the name and title of the author(s), their company, full address, and the email address of the author(s) using the colloquium template.

Deadlines for the abstracts are:

Submission of Abstracts:

31 January 2013

Notification of Acceptance:

31 March 2013

Submission of Full Paper:

30 June 2013

Abstracts and papers must be written in English using the template for abstracts and papers available on the event website.

Registrations

The general program for the Colloquium and Workshop/ Tutorials will be issued in March 2013, with all information on the program, registration and accommodation.

Organising Committee

- Barry Finlay (Chair)
- Terry Krieg (Chairman SC B3)
- Josef Kindersberger (Chairman SC D1)
- Alex Palamarczuk (Cigré Australia Secretary)
- Dave Allan
- Andre Henrion
- Angela Klepac
- Joe Tusek

Abstract and Paper Submission

Papers are to be submitted on the correct template to the Secretary Cigré Australia National Committee at the event website:

<http://cigre.org.au/events/>

Information

Further information and enquiries to Alex Palamarczuk (Cigré Australia Secretary) at:

anc@cigre.org.au

