

Trends in Technology, Materials, Testing and Diagnostics Applied to Electric Power Systems

Rio de Janeiro, Brazil – September 13th-18th, 2015



Introduction

A two-day Colloquium will be held in Rio de Janeiro on September 14th and 15th, 2015. The Colloquium theme, “Trends in Technology, Materials, Testing and Diagnostics Applied to Electric Power Systems” has been designed to align with Cigré’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 D1 Materials and Emerging Test Techniques.

The scope of Study Committee D1 covers new and existing materials for electrotechnology, diagnostic techniques and related knowledge rules, and emerging test techniques, which may be expected to have a significant impact on power systems in the medium to long term. As a horizontal Study Committee, SC D1 strives to support the other CIGRE Study Committees and external customers as well.

In order to prepare for the upcoming UHV grid extensions Preferential Subject 1 and 2 focus on materials and emerging test and diagnosis techniques. In response to recent developments in the field of insulated cables, including DC cables with polymeric insulation, the relevant material and testing issues are addressed in Preferential Subject 3.

Preferential Subjects

PS1: Materials and electrical insulation systems (AC and DC)

- Compact insulation systems
- Ageing and long-term performance

PS2: Emerging test and diagnostic techniques

- UHV testing and measuring techniques
- Offshore and subsea application (high pressure, corrosion)
- Online and offline data monitoring and interpretation

PS3: New insulating materials and testing methods for cables (AC and DC)

- Progress in insulating materials for HV and EHV cables
- Experience with new testing methods for HV and EHV cables
- New materials for improving fire resistance of cables



Host City

World Heritage Site since 2012, in the Urban Cultural Landscape category, Rio de Janeiro brings together natural beauty, nice weather and a variety of entertainment and culture. Chosen to host the Olympics Games in 2016, and place of hundreds of congress and seminars every year, the city lives up to the choice for its natural attractions, quality services and infrastructure required for an event such as the SC D1 Colloquium.

Participants

The Colloquium is directed towards manufacturers, utilities, design engineers, academic and R&D organizations.

Participation in the Colloquium is open on payment of prescribed registration fee to all those who are interested in subjects of discussion.

Participation in Study Committee and Working Group Meetings is restricted to its members and invited observers only.

Program

Sunday, September 13th 2015

Registration and Welcoming Reception

Monday, September 14th 2015

Registration and Day 1 of Colloquium

Tuesday, September 15th, 2015

Day 2 of Colloquium

Wednesday, September 16th 2015

Tutorials

Thursday, September 17th 2015

Study Committee D1 Meeting

Friday, September 18th 2015

Technical Tour: Cepel UHV Laboratory

Advisory Group and **Working Group** meetings will be held during Saturday, September 12th to Wednesday, September 16th 2015.

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:

Submission of Abstracts: March 30th, 2015

Notification of Acceptance: April 15th, 2015

Submission of Full Paper: June 30th, 2015

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 Tutorials will be issued in May 2015, with all information on the program, registration and accommodation.

Organizing Committee

- Orsino Borges Filho (Cigré-Brasil SC D1)
- Josef Kindersberger (Chairman SC D1)
- Johannes Seiler (Secretary SC D1)
- Julio C. R. Lopes (Cigré-Brasil SCB1)
- Adriana de C. Passos Martins (Cigré-Brasil SC D1)
- Ricardo Wesley Garcia (Cigré-Brasil SC D1)
- Flavia Mazzini (Cigré-Brasil Secretary)

Abstract and Paper Submission

Abstracts and papers are to be submitted on the correct template, preferably, at the event website www.scd1rio2015.org.br

Alternatively, it can be sent electronically to d1colloquium@cigre.org.br

For any further information about the colloquium, please contact: Natasha de Decco

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