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Provisional General Program

Date/Time	Activity
Monday 27 June 2016 8.00 am - 9.00 am 9:00 am - 5:00 pm 8:00 pm - 11:00 pm	Registration Opening and Colloquium Dinner
Tuesday 28 June 2016 9:00 am - 5:00 pm	Colloquium
Wednesday 29 June 2016 9:00 am - 5:00 pm	Tutorials Company presentations WG meetings

Dates, Venue & Accommodation

Dates: June 27 - 29, 2016

Venue: School of Engineering and Architecture -
University of Bologna (Italy)

Address: viale Risorgimento 2 – 40136 Bologna Italy

Hotel information is available at the web page of the
colloquium [https://events.unibo.it/international-
colloquium-on-lightning-and-power-systems](https://events.unibo.it/international-colloquium-on-lightning-and-power-systems)

Participation Fees

Participation	Fee* (Euros)
Attending Colloquium	420

*Note: The fee is to cover costs of colloquium venue,
refreshments, lunches and a dinner for the event. It
applies only to early bird registrations.

For Student special fee please contact
Fabio Napolitano fabio.napolitano@unibo.it

Contacts



Anna Pitzus
Tel +39 051 4070658
M. +39 339 7069952
anna.pitzus@mec-partners.it
<http://www.mec-partners.it>



CONSEIL INTERNATIONAL DES GRANDS RÉSEAUX
ÉLECTRIQUES (INTERNATIONAL COUNCIL ON
LARGE ELECTRIC SYSTEMS)

**CIGRE Study Committee C4 on
System Technical Performance**

Presents

International Colloquium on Lightning and Power Systems



June 27 - 29, 2016

University of Bologna - ITALY

[https://events.unibo.it/international-colloquium-on-
lightning-and-power-systems](https://events.unibo.it/international-colloquium-on-lightning-and-power-systems)

CALL FOR PAPERS

**Organized by
The Italian National Committee of CIGRE**

Background and Scope

CIGRE Study Committee C4 on System Technical Performance is pleased to announce the organization of an international Colloquium on 'Lightning and Power Systems' in Bologna, Italy. The Colloquium is organized by the Italian National Committee of CIGRE with cooperation from SCs A3 (HV Equipment), B1 (Insulated Cables), B2 (Overhead Lines), B3 (Substations), and B4 (HVDC and Power Electronics). The three-day event will include two days of report/paper presentation followed by a Tutorials session.

The Colloquium will take place at the School of Architecture and Engineering University of Bologna located in close vicinity of Bologna city center.

Bologna is known as one of the most picturesque cities in Italy, combining harmoniously modernity and tradition, history and smart city European paradigm. Bologna has an international airport and can easily be reached from other countries.

The Colloquium is aimed at bringing together CIGRE experts from around the world joined by regional engineers, managers and researchers to facilitate exchange of knowledge, experience and information towards further understanding phenomena associated with lightning and implementation of protective measures against its effect on electric power systems. Engineering fraternities such as the CIGRE Study Committee C4 has an important role to play in expanding the knowledge on lightning and in identifying cost-effective solutions to minimize the impacts of lightning on power systems and thus the customers. We firmly believe that this colloquium will provide benefits to

the electric power industry and therefore would like to encourage participants to share their knowledge and experience in lightning and lightning protection related to electric power systems.

Main Topics

The concept of the Colloquium is to be a place of knowledge exchange for engineers involved in the study of lightning and protection against its effects. In this new session we would focus more specifically on:

- 1) Exploitation of data provided by lightning location systems (LLS), corrections applied to measurements;
- 2) Principles of lightning location, limitations and performance of existing systems;
- 3) Lightning induced overvoltages and their effect on the power quality of distribution systems;
- 4) Use and monitoring of surge arresters with particular reference to field experience;
- 5) Numerical simulations in lightning-related studies, including lightning shielding of HVDC and UHV lines, and overvoltage protection;
- 6) Direct measurement of lightning currents using instrumented tall structures;
- 7) Electrical tower grounding;
- 8) Improvement of the protection of overhead lines and substation equipment against lightning and other transient phenomena;
- 9) Protection of underground and submarine cables against lightning.

Other topics related to lightning and protection systems against lightning will also be welcome.

The colloquium will start with keynote lectures providing the audience with the basics of lightning and enabling the participants to fully understand the articles which are to be presented.

Submission of Abstract

Participants who intend to provide written contributions are invited to submit their abstract in English (at least 400 words) before November 15, 2015 by using the following by using the following web site: <https://cmt.research.microsoft.com/ICLPS2015/> (the site requires a registration through the "New users? Sign up here" link).

Each abstract must indicate the topic that will be addressed (1 to 8 above or others related to lightning and protection systems against lightning), the paper title, company affiliation, e-mail and full address of the main author.

Important Dates

November 15, 2015: Deadline for abstract submission. Authors will be notified of acceptance before December 15, 2015.

February 15, 2016: Deadline for full paper submission.

March 15, 2016: Authors notified of paper acceptance and any modifications required.

April 20, 2016: Final manuscript submission.

June 27-29, 2016: Colloquium - School of architecture and Engineering of the University of Bologna, Italy.



