

CALL FOR PAPERS

Information Systems and Telecommunication
Russian National Committee CIGRE

/ STUDY COMMITTEE D2

Study Committee D2 of CIGRE is in charge of monitoring emerging technologies and current practices in the fields of information systems and telecommunication for the Electric Power Industry (EPI), evaluating their possible impact on present and future needs of all players in the EPI.

In a broad sense, it deals with the principles, requirements, design, engineering, performance, operation and maintenance of IT and telecommunication systems such as:

- Telecommunication and information systems for voice, data, video services
- Specialized solutions for Telecontrol, SCADA, EMS, and DMS systems
- Information systems and networks for operational and business needs
- Requirements and aspects of energy flow-control, security, economy, transparency, quality and regulation

/ OBJECTIVE

To provide an international platform to share information between electric utilities, manufactures, universities, standardizing bodies and authorities on the selected topics in the field of information technology and telecommunication.

/ PROGRAMME

The Colloquium is the biennial Technical Discussion Forum of the Study Committee for members, associates and experts from the host country. The Preferential Subjects that will be discussed are within the following scope:

1. **Software platforms for control of distributed energy resources (DER)**
2. **Resilience to cyber threats of information and telecommunication systems in the power industry**
3. **Highly reliable ICT systems infrastructure for traditional and new applications in EPI**

Schedule of D2 CIGRE Colloquium in Moscow

20.09.2017	21.09.2017	22.09.2017
Colloquium SC D2	Colloquium SC D2	Technical visit

The Colloquium will be held on a two day session. All papers that are within the scope will be accepted, and authors should be prepared to present a summary of their paper and to answer questions from the audience. However, the Chairman and Organizing Committee reserve the right to identify papers that are not directly within the discussion stream and to publish these without presentation or discussion.

/ DEADLINES

Submission of synopses: December 15, 2016
Notification of acceptance: January 20, 2017
Submission of full papers: April 28, 2017

/ SUBMISSION OF PAPERS

Participants wishing to present papers are invited to submit a synopsis (300 – 500 words, in English) by e-mail to the Chairman and the organizing committee by December 15, 2016.

Each synopsis must indicate the topic to be addressed (see no. 1 to 3 under subjects). The name, title, affiliation and full address (postal, fax, e-mail) of the author is required. The synopsis template is available for download on CIGRE SC D2 web site (www.cigre-d2.org) in the Events/Cigre Events section.

The notification of acceptance of papers will be sent to authors by January 20, 2017 and completed papers (in English) will be required by April 28, 2017.

Synopses and papers must be sent to the following e-mail addresses:

Chairman: Mr. Philippe Quenaudon

E-mail: philippe.quenaudon@rte-france.com

Organization committee: Mrs. Olga Sinenko

E-mail: colloq2017@cigre.ru

/ SUBJECTS:

1. **Software platforms for control of distributed energy resources:**
 - Optimized interaction of distributed generation and distribution grids
 - Tools providing economically efficient use of DER and Microgrid technologies
 - Microgrid control in emergency and post-emergency conditions
2. **Resilience to cyber threats of information and telecommunication systems in the power industry:**
 - Cybersecurity of DER control systems
 - Cloud computing and IoT technologies: application limits from the view of cybersecurity provision
 - Certification of information systems and telecommunications for resistance to cyber threats
 - Modeling tools for cyber threats and cybersecurity measures
3. **Highly reliable communication infrastructure for traditional and new applications in EPI:**
 - Digital communication systems in transmission and distribution grids
 - Modern telecommunication networks for protection and control in EPI
 - Developing secure and reliable ICT systems infrastructure

More information and registration contact:

Website: www.d2_rus.cigre.ru/en/

E-mail: colloq2017@cigre.ru