



AORC-CIGRE

Technical Meeting 2013

“Smart Transmission and Distribution,
Advanced Technologies and Solutions”

Guangzhou China, September 3-5, 2013.

Hosted by :

CIGRE Chinese National Committee,
China Southern Power Grid (CSG)

Organized by:

CIGRE CNC, AORC CIGRE

We are seeking a great number of innovations and technologies now available in the transmission and distribution system that are or will impact the global energy over the next few years. As the materials and technologies are moving so rapidly, it is keen for utilities globally to look forward in making smart design, construction, operations and maintenance decisions. The electric power industry is in a tremendous state of change. With global concerns for global climate change due to carbon emissions, the increase in natural gas supply due to the introduction of hydraulic fracturing, the international community is responding with new solutions to meet electrical energy needs. As of the high awareness of energy issues, every country's political hierarchy seems focused on offering energy solutions.

And those solutions have both technical and business elements.

This conference will look at the issues affecting our transmission and distribution networks and provide insight into the opportunities and risks that smart transmission and distribution can afford.





CALL FOR PAPERS

On behalf of the Organizing Committee, it's our pleasure to invite the authors and delegates from all members of CIGRE to join AORC Technical Meeting 2013 in Guangzhou, China.

Main Topics

Topics of interest include but are not limited to the following subjects of power system technologies:

1. Future power Grid

Environmental-Friendly transmission and distribution system
HVDC Grid and multi-terminal DC transmission system
FACTS equipment for improving the performance of AC power system
DC Distribution systems
Active Distribution power grid
Micro-Grid, Distributed Generation and Integrating of Renewable Energy
New consumers and intelligent Distribution grid architecture
Electric vehicles and their impact on system
Electric Power Storage

2. New solutions for Automation, protection, and ICT technologies

Protection and Control Strategies For Modern power system
Study on future Smart Grid control center
Phasor Measurement Systems

ICT solutions for integration of renewable energy

Safety techniques in intelligent electric meter application

How to effectively solve the problem of privacy risk brought by electricity information security

3. Renewable energy and its Integration

Development of large scale wind and solar power generation

Grid infrastructure for integrating large scale renewable power generation

Integration of small and medium sized wind and solar power generation

Grid operational challenges

Other renewable energy source development

4. Resilient, Efficiency, and Economic

New architecture & Economic feasibility

Energy-conservation Dispatch

Resilient and Economic Transmission

Grid energy-saving and power-saving

Incentives for changing over to higher efficiency devices

Hydrogen Energy and Fuel Cell

Energy Storage Technology

5. State-of-the-art and trends for Equipment

Reliability and Environmental suitability

Management of ageing and deterioration of HV equipment

The most challenging design, manufacturing and testing aspects related to

UHV AC transformers

Controlled switching devices and circuit breaker condition monitoring

Regarding life-cycle-costs with different layouts and different types of switchgear

New functionalities expected from cable systems

Test Technique for UHV including HVDC

Insulation condition monitoring in power systems

Smart Meters

SUBMISSION OF ABSTRACTS / PAPERS / PRESENTATIONS

Experts, professionals and students interested are invited to submit abstracts of not more than 500 words on any of the topics listed. Once paper is accepted for presentation, the registered author is required to prepare full paper (not greater than 6 pages) and PowerPoint presentation for 20 minutes duration. The following are important deadlines to be observed:

Submission of Abstracts April 30, 2013

Notification of Acceptances June 1, 2013

Submission of Full Papers & Presentations August 1, 2013

Technical Conference & Exhibitions September 3-5 2013.

Please submit your abstract and paper on the Conference website:

www.cigre-aorc2013.com

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The abstract/paper/presentation must be written in English.