

SC C6 - Next meeting 2011



CIGRE Symposium - BOLOGNA

*The electric power system of the future
- Integrating supergrids and microgrids*

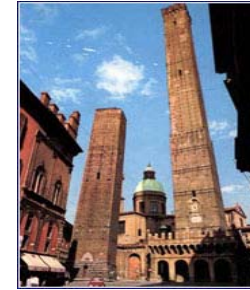
International Symposium

Bologna (Italy); 13-15 September 2011

About Bologna

Bologna is located in the North of Italy and is the capital of the region Emilia Romagna. Its University is more than 900 years old and, in the 18th Century, hosted the work of Luigi Galvani, one of the founders of modern electrotechnical studies. The city has a peculiar medieval architecture and many historical buildings which make its visit interesting.

Towers



Tortellini



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1. The microgrid(s)

- The microgrid concept: models and real examples (studies, pilot experiences)
- The challenges: fluctuating & dispersed generation, load control/balancing, storage, participation in market, PHEV...
- Operation, protection and control issues
- Smarter distribution networks
- Power Electronics applications
- Management of safety and environmental issues

3. Towards the power system of the future

- Integrating microgrids and supergrids; balancing control functions allocation
- Active distribution networks
- Virtual Power Plants, pilot experiences
- Modelling/New tools for technical performance assessment
- Information exchange needs
- "Grid of the future", electricity markets and regulatory aspects
- General issues: environment, standardization.

2. The supergrid(s)

- Role and technical challenges: transmission, interconnection at continental and inter-continental level
- HVDC and Power Electronics, HVDC Grids and hybrid AC/DC systems
- Ultra high voltage (UHV) overhead lines and UHV equipments,
- Underground and subsea cables, AC & DC
- Technical performance of super grids: transients, oscillations, modelling and control

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DEADLINES

Authors are kindly requested to take note of the following deadlines:

Receipt of abstracts: 15th November 2010

Notification of acceptance: 15th January 2011

Receipt of full papers: 15th April 2011

REGISTRATIONS

The General program of the Symposium will be issued in April 2011, with all the relevant information: technical program, registrations, accommodation...

Further information on the Symposium can be found on www.cigre.org.

