



August 26-28, 2015 Stresa - Italy

Con il patrocinio di



# International Workshop Innovative Electrical Networks for a Sustainable Development in Low Carbon Scenarios

Organized by the Italian Cigre National Committee and SC C3 in coincidence with the Milan International EXPO



According to the Strategic Plan Cigre, this workshop wants to be an opportunity to present innovative solutions, experiences and research to foster the development of the networks, serving territories and cities, combining environmental sustainability and safety requirements.

Workshop main topics:

- technical solutions to preserve rural and agriculture life and to protect human health,
- public acceptance of power infrastructures,
- reduction of energy losses with storage devices,
- upgrading and extension of life of existing components,
- demand side management (electric urban transport, etc.).

Workshop website: [www.cigre-italy.org](http://www.cigre-italy.org)

Workshop venue:

Grand Hotel Bristol  
Corso Umberto,73  
Stresa (Italy)



Contact

Italian National Committee:

[Cigre.italy@rse-web.it](mailto:Cigre.italy@rse-web.it) to confirm your attendance

## Background and scope

The Expos in their history have always been characterized by significant events in the field of technological development of the electricity.

During the recent years, with the integration of renewable energy on massive scale into the power system and with huge quantities of distributed generation, the Electrical Grids present innovative solutions in many aspects of the electricity field.

## Participants

The workshop is aimed at transmission, distribution and system operators, market operators, regulators, suppliers, traders and universities.

## General programme

Before the workshop, the SC3 working group SC C3 will meet. The detailed schedule is:

	Monday 24/08/15	Tuesday 25/08/15	Wednesday 26/08/15	Thursday 27/08/15	Friday 28/08/15
M o r n i n g	SC3 WGs meeting	SC3 WGs meeting	WORKSHOP • Welcome • Invited Lecture	WORKSHOP Innovations for a better compatibility with the environment and the territory	Visit to EXPO MILAN
A f t e r n o o n	SC3 WGs meeting	Study Committee C3 meeting	WORKSHOP Architecture and Power System Infrastructures: a vision toward sustainability for the present and the future Study Committee C3 meeting	WORKSHOP Innovations for the "smart cities"	Visit to EXPO MILAN

## Visit to Milan EXPO – August 28, 2015



### Wednesday 26/08/15 - G.H. Bristol

Message of S. Chiamparino, President of Regione Piemonte

**10:00-13.30** CIGRE Italian Committee Chairman welcome

(Massimo Rebolini, Terna)

- Invited lecture: “The network of the future: the CIGRE vision” - Klaus Fröhlich (Cigre President)
- Keynotes speeches from:
  - Enel Distribuzione (Gianluigi Fioriti - CEO)
  - CESI (Alessandro Clerici)
  - ALSTOM (Philippe Ponchon, Alberto Galatini)
  - SEERC (Kresimir Bakic - President)

**13.30÷14.30** LUNCH

**14:30-17:30** SESSION 1. “Architecture and Power System infrastructures: a vision toward sustainability for the present and the future”

- The lesson from architects:
  - Hugh Dutton Associés
  - Bystrup Architect
  - Frigerio Design Group
- Vitruvio Towers (Piero Berardi, TERNA)
- Architecture and electrical infrastructure (Massimo Rebolini)

(moderator R. Ambrogi – RSE)

### Thursday 27/08/15) - G.H. Bristol

**9:00-13.30** SESSION 2. “Innovations for a better compatibility with the environment and the territory”

- Environmental impact of the network infrastructures (Francisco Parada, Chair SC C3)
- Cables (Pierre Argaut, Chair SC B1)
- Overhead Lines: impact and optimization (Konstantin Papailiou, Chair SC B2)
- Environmental issues of HV lines for rural and urban areas (H. Pearson, UK National Grid, Convenor of Cigre WG C3/B2/B1.13)
- Smart management of power cable transmission networks (Stefano Franchi Bononi, PRYSMIAN)
- Smart storage for the grid with renewable (Antonio Zingales, SAET)
- Smartainability: a contribution to the sustainability of the technologies adopted for EXPO 2015 (Antonio Negri, RSE/GSE)
- New technologies for environmental friendly conductor (G. Sarti, DE ANGELI PRODOTTI)

(moderator M. De Nigris – RSE)

**13.30÷14.30** LUNCH

**14:30-18:00** SESSION 3. “Innovations for “smart cities”

- The distribution network for the smart city (Michele Salaris, Network Technology, ENEL Distribuzione)
- Smart Cities & Smart Grids: Siemens Vision (Claudia Guenzi, SIEMENS)
- The role of power conversion systems (Moreno Ripamonti, NIDEC-ASI)
- Integrating Smart Grid and Smart Cities (Filippo Passante, Rodolphe de Beaufort - ALSTOM)
- Smart cities and Electric Power System (Antonio Lamanna, ABB)
- Experience with Smart Grids in fast developing countries (Alessandro Bertani, CESI)
- Development of the Smart Grid and Smart Cities – US Perspective (Mark McGranaghan, EPRI Power Delivery and Utilization - Vice President)

(moderator M. De Nigris – RSE)

## VISIT TO EXPO (TERNA)

## REGISTRATION

**Friday 28/08/2015 VISIT TO EXPO – Milan:**

**h. 9.00** Departure with bus from G.H. Bristol

**h 10:30 – 18:30** guided visit to EXPO

**h 18:30** Departure with bus to Stresa G.H. Bristol

Registration includes:

- Participation to the workshop
- Gala Dinner at G.H. Bristol h 20:30 27/08/2015
- Soft lunch during the workshop – 26&27/08/2015

	30 June 2015	After 30 June 2015
<i>Members &amp; WG members</i>	250 €	300 €
<i>Non-members</i>	350 €	400 €
<i>Students</i>	150 €	150€