

## 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
<b>M</b> <b>o</b> <b>r</b> <b>n</b> <b>i</b> <b>n</b> <b>g</b>	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
<b>A</b> <b>f</b> <b>t</b> <b>e</b> <b>r</b> <b>n</b> <b>o</b> <b>n</b>	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



### 26/08/15 morning:

Welcome from CIGRE Italian National Committee Chairman (**M. Rebolini, Terna**)

- Invited lecture: “The network of the future: the CIGRE vision” - **Klaus Fröhlich (Cigre President)**
- Keynotes speeches from:
  - ENEL
  - RSE
  - CESI
  - ALSTOM

### 26/08/15 afternoon (moderator R. Ambrogio – RSE):

S.1 “Architecture and Power System infrastructures: a vision toward sustainability for the present and the future”

- The lesson from architects:
  - **Dutton & Rosenthal**
  - **Bystrup Architect**
  - **Frigerio**
  - **Studio Quell & Partners**
  - **Studio M. De Lucchi**
- **Vitruvio Towers (TERNA)**

### 27/08/15 morning (moderator M. De Nigris – RSE):

S.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 (**Luca De Rai, Prysmian**)
- Smartainability: a contribution to the sustainability of the technologies adopted for EXPO 2015 (**Antonio Negri, RSE**)
- Renewables and Smart Grids (**K. Bakic President SEERC Cigre**)

### 27/08/15 afternoon (moderator M. De Nigris – RSE):

S.3 “Innovations for the “smart cities”

- Smart cities and Electric Power System (**Britta Bucholz, Chair SC C6**)
- The distribution network for the smart city (**ENEL Distribuzione**)
- Smart city and smart communities (**Japan-Toshiba**)
- The role of power conversion systems (**Giordano Torri, NIDEC-ASI**)
- Smart Cities & Smart Grids: Siemens Vision (**Claudia Guenzi, Siemens**)
- Smart cities and smart grids in USA (**Mark McGranaghan, EPRI Power Delivery and Utilization Vice President**)
- Experience with Smart Grids in fast developing countries (**Alessandro Bertani, CESI**)
- Smart grid (**Filippo Passante – ALSTOM**)

## Registration

Registration includes attendance and participation in discussion meetings, gala dinner on 26 August, coffee breaks, visit to EXPO in Milan.

For hotel registration (up to end of July) fill the format at link:

<https://secure.netwelink.it/cigre/>

Detailed information on EXPO visit are provided at Cigre website at “eventi” session: [http://www.cigre-italy.org/index.php?option=com\\_content&view=article&id=5&Itemid=109](http://www.cigre-italy.org/index.php?option=com_content&view=article&id=5&Itemid=109)

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