

Barcelona, Friday 28<sup>th</sup> November 2014

ETSEIB. Escola Tècnica Superior d'Enginyeria Industrial de Barcelona,  
Universitat Politècnica de Catalunya.  
UPC BarcelonaTech, Avda. Diagonal 647, Barcelona



On behalf of CITCEA-UPC, Endesa Red Chair and KIC Innoenergy MSc. SENSE and MSc. Smart Cities, we are pleased to invite you to the IX International Conference on Energy Innovation "Power Electronics in the grid: HVDC and FACTS". The conference will deal with different applications of power electronics in the electrical grid. Real projects will be presented and the latest technological developments concerning FACTS and HVDC will be introduced. All these issues will be addressed from the vision of industry and academia experts.

## PROGRAM

**08.00** Registration

**09.00** Welcome & Opening, *Joan Ignasi Frau (Endesa, Spain)*

**09:15** 220kV SSSC Device for Power Flow Control, *Unai Búrdalo (REE, Spain)*

**09:40** ABB's HVDC and SVC Light - technology and applications, *Jan Svensson (ABB, Sweden)*

**10:15** Cigré WG B4.58 Devices for load flow control and methodologies for direct voltage control in a meshed DC grid, *Agustí Egea (CITCEA-UPC, Spain)*

**10:40** Why a Supergrid for Europe? *Marta Navarrete (Friends of the Supergrid, Belgium)*

**11:15** Coffee break

**11:45** Power Converters for Energy Storage Systems, *Daniel Heredero (CITCEA-UPC, Spain)*

**12:10** Transformation of the top and tail of energy networks, *Adrià Junyent (Imperial College London, United Kingdom)*

**12:45** Optimal power flow algorithms for meshed grids with HVDC, *Mònica Aragüés (CITCEA-UPC, Spain)*

**13.10** The North Sea Transnational Grid, *Rodrigo Teixeira Pinto (TU Delft Netherlands, CITCEA-UPC)*

**13:35** Best paths, large-scale demonstration project of HVDC Multi-terminal technology, *Vicente Gonzalez (REE, Spain)*

**14:00** Closure

Registration: <http://www.cerien.upc.edu/jornades/inscriure.php?id=33>

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