

OPENING PANEL 2016 PARIS SESSION

Monday 22 August 2016 8:45 > 12:00

OPENING PANEL GLOBAL PERSPECTIVE OF DISTRIBUTED GENERATION IMPACT ON THE BULK CONNECTED NETWORK

Grand Amphithéâtre, level 1, for delegates only

8:45 Welcome and Introduction : Mark Waldron, Chairman of the CIGRE Technical Committee

Moderation : Britta Buchholz C6 - Musical direction: Jens Schlichting

9:00 Roadmaps and regional differences: Konstantin Staschus C1

- Paradigm shifts at work worldwide : Climate protection, smart grids and markets
- New needs for cooperation distribution – transmission
- System planning observations and recommendations

9:30 Electricity markets and balancing energy : Andrew Ott C5

- Industry Paradigm Shift
- Trend towards larger balancing regions
- Innovation in balancing markets and services
- Technology impact

10:00 *Coffee Break*

10:20 Complementary technologies and grid operation : Britta Buchholz C6

10:25 Electricity system meets music : Jens Schlichting, Piano - Fabiana Striffler, Violine - Jonathan Flaksman, Violoncello and CIGRE Technical Committee members.

- Musical interpretation of impact of distributed generation on the bulk connected network.
- Evolution of the classical central responsibility for system stability towards shared responsibility.

10:45 HVDC as enabling technology for electricity markets : Jingxuan (Joanne) Hu B4

- Reliable connection of renewable energies to grid
- Long distance transmission from generation to load centers
- Integration of asynchronous grids to more flexible energy exchange
- Examples

11:15 Microgrids as contributors to energy security and system stability : Geza Joos C6

- Microgrids worldwide - a proven technology
- Structure and operation
- Examples for energy security and system stability

11:40 Questions & closing remarks