



Technological Options for the Future European Grid

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*Presentations will be approximately 25 minutes each,
followed by 10 minutes of Q&A and 5 minutes of commentary*

Monday, 6th July 2015

- 09:15 Registration and welcome
- 09:30 Opening remarks
Klaus Töpfer, Executive Director IASS
- 09:45 Presentation of the IASS research on electricity transmission using superconducting lines
Adela Marian, IASS
- 10:00 Impact of technologies on the European Grid planning
Thong Vu Van, European Network of Transmission System Operators for Electricity (ENTSO-E)
Brief reflection on the presentation - Markus Thiel, Federal Network Agency
- 10:40 *Coffee break*
- 11:00 The European Grid expansion from the perspective of a transmission operator
Frédéric Lesur, Réseau de transport d'électricité (RTE)
Brief reflection on the presentation - Frank Schettler, Siemens
- 11:40 State-of-the-art technologies for electricity transmission
Jochen Kreusel, ABB
Brief reflection on the presentation - Matthias Wilhelm, 50Hertz
- 12:20 Round-table discussion
- 13:00 *Lunch*



- 14:00 Key technologies for a European DC Grid
Rik De Doncker, E.ON Energy Research Center, RWTH Aachen
Brief reflection on the presentation - Julia Dragon, TU Darmstadt
- 14:40 A technological roadmap for the development of the European Supergrid
Norman MacLeod, Friends of the Supergrid
- 15:15 Reflections from the perspective of a European Energiewende
Sebastian Helgenberger, IASS
- 15:30 Final round-table discussion
- 16:30 *End of meeting*