



Workshop *Transporting Tens of Gigawatts of Green Power to the Market*

Institute for Advanced Sustainability Studies e.V.
Kleist-Villa, Berliner Str. 130, D-14667 Potsdam, Germany

Presentations will be approximately of 30 min each, followed by discussion

Thursday, May 12th, morning session

- 09:00 Registration
- 09:30 Welcome and introduction
[Carlo Rubbia, Nobel Laureate, Scientific Director IASS \(Chairman\)](#)
- 09:50 The Exceptional Properties of Superconductivity in Cuprates
[Alex Müller, Nobel Laureate, Physics Institute, University of Zurich](#)
- 10:30 Can future energy needs be met through more integrated infrastructures?
[Nebosja Nakicenovic, Vienna University of Technology & IIASA](#)
- 11:15 *Coffee break*
- 11:30 Bringing electric energy from the desert
[Tewfik Hasni, President of APEQUE, Algeria](#)
- 12:15 The Garwin-Matisoo Vision after 45 Years – Electric Power via Superconducting Cables: Economic and Environment Issues
[Paul M. Grant, W2AGZ Technologies](#)
- 13:00 *Lunch*

Thursday, May 12th, afternoon session

- 14:00 Status of conventional HVDC electricity transport at the GW level
[Jochen Kreusel, Asea Brown Boveri Ltd \(ABB\)](#)
- 14:45 Superconducting DC Cables for High Power Transport over Long Distances
[Steven W. Eckroad, Electric Power Research Institute \(EPRI\)](#)
- 15:30 Superconductivity at DESY
[Peter Schmüser, Deutsches Elektronen-Synchrotron & University of Hamburg](#)
- 16:15 *Coffee break*
- 16:30 Superconductivity and Cryogenics at CERN
[Serge Claudet, European Organization for Nuclear Research \(CERN\)](#)
- 17:15 The Pipetron as an engineering model for 10GW electricity transmission over 1,000km
[Lance D. Cooley, Fermi National Accelerator Laboratory](#)
- 18:00 The Superconducting Power Technology in China
[Liye Xiao, Institute of Electrical Engineering, Chinese Academy of Sciences](#)
- 19:00 *Dinner hosted by IASS*



the Workshop continues.....

Friday, May 13th, morning session

- 09:15 The Future of Large Power Electric Transmission
[Carlo Rubbia, Nobel Laureate, Scientific Director IASS](#)
- 10:00 Innovative solutions for bulk power transmission
[Peter Menke, Siemens Energy Sector](#)
- 10:45 Classical and High Temperature Superconductors: Practical Applications and Perspectives at CERN
[Amalia Ballarino, European Organization for Nuclear Research \(CERN\)](#)
- 11:30 *Coffee break*
- 11:45 The new MgB₂ superconductors: present status and future perspectives
[Giovanni Grasso, Columbus Superconductors](#)
- 12:30 High-capacity high temperature superconducting power cables
[Jean-Maxime Saugrain, Nexans](#)
- 13:15 Experiment of the 200-meter DC superconducting power cable and perspectives of DC superconducting power transmission and distribution
[Satarou Yamaguchi, Chubu University](#)
- 14:00 *Lunch*

Friday, May 13th, afternoon session

- 15:00 Round table discussion on superconducting versus conventional HVDC lines
- 16:00 Summary and conclusions
- 17:00 *End of workshop*