

WORKSHOP PROGRAM

Day 1 - May 14

- 8:00-9:00 Registration** (in the Jasmine Small Function Room) *Megan Keever, Nautilus Institute
Nancy Huang and Zhai Rong, State
Power International Service*
- 9:00-9:30 Welcoming Remarks** *Peter Hayes, Nautilus Institute*
- Opening of the Workshop *Shaoxiong Xie, State Power
Corporation*
- Workshop Schedule & Logistics *Masami Nakata, Nautilus Institute*
- 9:30-14:00 Background & Introductions to Regional Electricity Grid Interconnection**
- 9:30-10:15 The International Perspectives on Power Grid Interconnection — International electric grid interconnections and interest in regional energy networks, driving forces and examples of international grid interconnections *Ivar Wangensteen, The Norwegian
University of Science and
Technology*
- 10:15-10:30 **Break**
- 10:30-11:15 Perspectives on Power Grid Interconnection in Northeast Asia — Driving motivations for grid interconnection in NEA, identification of key issue areas, objective and format for this meeting *Felix F. Wu, University of
California at Berkeley, Hong
Kong University*
- 11:15-12:00 Economic Considerations: An overview & background on power markets and pricing principles, with focus on international trading, institutional considerations for international electricity trade *Karsten Neuhoff, Cambridge
University*
- 12:00-13:15 **Lunch**
- 13:15-14:00 Environmental Considerations Associated with Power Grid Interconnection in Northeast Asia: A focus on linkages between power generation and the environment, elaboration of environmental benefits and liabilities associated with grid interconnection on local, transboundary, and global scales *David Streets, Argonne
National Laboratory*
- 14:00-17:15 National perspectives from the NEA region, Session I**
- 14:00-15:00 Far East Russia *Sergei Podkovalnikov, Energy System
Institute*
- 15:00-15:15 **Break**

- 15:15-16:15 Republic of Korea *D.W. Park, Korean Electrotechnical Research Laboratory*
- 16:15-17:15 China *Center Xiaoxin Zhou, Electric Power Research Institute*
- 17:15-17:20 Review of days activities & outline for the next day** *Masami Nakata and Rebecca Hansing, Nautilus Institute*
- 17:20** *Close of Day 1*
- 18:30** *Welcome Dinner Party*

Day 2 - May 15

9:00-11:45 Technical Issues of Grid Stability

- 9:00-9:45 Technical Considerations for Power Grid Interconnection in Northeast Asia *Felix F. Wu*
- 9:45-10:45 Grid Stability and Safety Issues Associated with Nuclear Power Plants *John Bickel, Evergreen Safety and Reliability Technologies, LLC*
- 10:45-11:00 *Break*
- 11:00-11:45 Panel discussion *Felix Wu, John Bickel, Xiaoxin Zhou, Weichun Ge, Yasumasa Fujii, Lev A. Kochtcheev, and J. K. Park*
- 11:45-12:15 Political/Institutional Aspects:** Review of political challenges and barriers to regional interconnections; directions for how these barriers may be overcome *Peter Hayes*

12:15-13:15 *Lunch*

13:15-15:15 National perspectives from the NEA region, Session II

- 13:15-14:15 Japan *Yasumasa Fujii, The University of Tokyo*
- 14:15-15:15 Democratic People s Republic of Korea *Kyong Nam Ri, Electric Power Design Institute*
- 15:15-15:30 *Break*
- 15:30-16:30 Discussion Session on National Perspectives** *Moderated by David Von Hippel*
- 16:30-17:15 Cross-border trade in Scandinavia** *Ivar Wangensteen*
- 17:15-17:20 Review of day s activities & outline for the next day** *Masami Nakata and Rebecca Hansing*
- 17:20** *Close of Day 2*

Day 3 — May 16

9:00-12:15 Special Topics

- 9:00-9:45 Local Perspectives on Power Grid Interconnection in Northeast Asia: Background and Perspectives from Liaoning Province, China *Weichun Ge, Liaoning Province Electric Power Company*
- 9:45-10:30 Power Grid Interconnection in Northeast Asia: Background and Perspectives from the Electric Power Companies in Japan *Fumio Arakawa, Global Engineering Institute*
- 10:30-10:45 **Break**
- 10:45-11:30 Basic principles of interstate electrical power links organization in North-East Asia region *Lev A. Koshcheev, High Voltage Direct Current Transmission Research Institute*
- 11:30-12:15 Power Generation & Grid Stability Issues in the Republic of Korea: Constraints & choices for interconnection of power grids *J.K. Park, Seoul National University*

12:15-13:15 **Lunch**

13:15-15:30 Financing

- 13:15-14:00 Costs & Benefits of Power Grid Connection *David Von Hippel, Nautilus Institute*
- 14:00-14:45 Application of the Kyoto Mechanisms in Power Grid Interconnection in Northeast Asia *Hyo-Sun Kim, Korea Gas Corporation*
- 14:45-15:30 International Financing Mechanisms for Regional Grid Interconnections *Yoshihiko Sumi, World Bank*
- 15:30-15:45 **Break**
- 15:45-17:00 Group Discussion:** Topics may include: potential pathways for grid interconnection, aspects of grid interconnection, long-term energy priorities, and other questions/comments of panel and participants *Panel of National Presenters and Workshop Participants (all participants are invited to play a part in the discussion)*

17:00-17:30 Wrap-up and Closing of the Workshop

- Review of the Workshop: Comments from Participants *Led by Peter Hayes*
- Official Closing *Zhan Liu, State Power International Service*