**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

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter/Institution</th>
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<tbody>
<tr>
<td>9:00-9:45</td>
<td>Local Perspectives on Power Grid Interconnection in Northeast Asia: Background and Perspectives from Liaoning Province, China</td>
<td>Weichun Ge, Liaoning Province Electric Power Company</td>
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<tr>
<td>9:45-10:30</td>
<td>Power Grid Interconnection in Northeast Asia: Background and Perspectives from the Electric Power Companies in Japan</td>
<td>Fumio Arakawa, Global Engineering Institute</td>
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<td>10:30-10:45</td>
<td>Break</td>
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<td>10:45-11:30</td>
<td>Basic principles of interstate electrical power links organization in North-East Asia region</td>
<td>Lev A. Koshcheev, High Voltage Direct Current Transmission Research Institute</td>
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<td>12:15-13:15</td>
<td>Lunch</td>
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#### 13:15-15:30 Financing

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<tr>
<td>13:15-14:00</td>
<td>Costs &amp; Benefits of Power Grid Connection</td>
<td>David Von Hippel, Nautilus Institute</td>
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<td>14:00-14:45</td>
<td>Application of the Kyoto Mechanisms in Power Grid Interconnection in Northeast Asia</td>
<td>Hyo-Sun Kim, Korea Gas Corporation</td>
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<td>14:45-15:30</td>
<td>International Financing Mechanisms for Regional Grid Interconnections</td>
<td>Yoshihiko Sumi, World Bank</td>
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<td>15:30-15:45</td>
<td>Break</td>
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#### 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

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<tr>
<td>17:00-17:30</td>
<td>Review of the Workshop: Comments from Participants</td>
<td>Led by Peter Hayes</td>
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<td>Official Closing</td>
<td>Zhan Liu, State Power International Service</td>
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