**APEC-ISGAN Smart Grid Test Bed Networks Workshop**

**January 24-25, 2012**

**L’Enfant Plaza Hotel**

**480 L’Enfant Plaza, SW Washington, DC, 20024 USA**

**January 26, 2012 ● Albuquerque, NM, USA** *(optional)*

The need for multilateral collaboration on smart grid RD&D is becoming widely recognized. To support such collaboration, APEC Smart Grid Initiative (ASGI) and ISGAN have developed concepts for networks of test-bed facilities. These will be carried out through the Energy Smart Communities Initiative (ESCI) and Smart Grid International Research Facility Network (SIRFN) respectively. There is tremendous synergy in the APEC and ISGAN activities and therefore a great opportunity for coordination to enhance their value to the broader community. The purpose of this workshop is to explore and catalyze this opportunity.

**Prospective Agenda**

*January 24, 2012*

7:45 – 8:15 Networking

8:15 – 8:30 Welcome/Introductions (Phyllis Yoshida)

8:30 – 9:15 CEM/ISGAN and APEC/ESCI Overview (Russ Conklin and Jeff Skeer)

9:15 – 9:45 Test Bed Network Value Proposition

* Dean Prochaska and Rudi Schubert, US Smart Grid Interoperability Panel (SGIP) Testing and Certification Committee

9:45 – 10:30 Presentations on Potential Smart Grid Test Bed Facilities

* Diana Craciun, DERlab overview
* Roland Brüendlinger, DERlab facilities
* Takao Ikeda, Institute of Energy Economics, Japan

10:30 – 11:00 Networking

11:00 – 12:00 Presentations on Potential Smart Grid Test Bed Facilities (Cont.)

* Mike Davidson, Wessex Consult Pty Ltd, Australia
* Oleg Gulich, Fortum Corporation, Finland
* Dr. Shiang-Shong Chen, Industrial Technology Research Institute, Chinese Taipei
* Daniel Haglund, Swedish Civil Contingencies Agency, Sweden

12:00 – 13:00 Working Lunch

13:00 – 14:30 Presentations on Potential Smart Grid Test Bed Facilities (Cont.)

* Charles Hanley, Sandia National Labs, USA
* Michael Kintner-Meyer, Pacific Northwest National Lab, USA
* Ben Kroposki, National Renewable Energy Lab, USA
* Stephanie Hamilton, Brookhaven National Lab, USA
* Tom King, Oak Ridge National Lab, USA
* Keith Hardy, Argonne National Lab, USA

14:30 – 15:00 Networking

15:00 – 17:00 Discussions on Use Case and Collaboration Development

 *Chair: Charles Hanley, Sandia National Laboratory*

* What is the value proposition for a test bed network?
* What are key technical areas for test bed application?

17:00 Adjourn

*18:30* No-host Dinner: Jenny’s Asian Fusion

 1000 Water Street Southwest, Washington, DC 20024-2425

*January 25, 2012*

7:45 – 8:15 Networking

8:15 – 8:45 Knowledge Sharing Experiences

* Eugenie Birch, Univ. of Pennsylvania
* Derek Greenauer, Underwriters Laboratories

8:45 – 9:30 Discussions on Test Bed Network Governance Framework

 *Chair: Robert Hwang, Sandia National Laboratory*

* How will network be governed and coordinated?
* How will knowledge be shared among test bed users?

9:30 – 10:30 Discussions on Test Bed Network Operational Framework

 *Chair: Russ Conklin, U.S. Department of Energy/ISGAN*

* How will facilities be operated?
* How will test bed operations be funded?
* How will visits to test beds be funded?

10:30 – 11:00 Networking

11:00 – 12:00 Wrap Up and Next Steps

 *Chair: Dan Ton, Office of Electricity Delivery and Energy*

*January 26, 2012*

Optional site visit to test bed at Sandia National Laboratory.