

# NIST-RASEI SMART GRID WORKSHOP

August 13-14, 2012

University of Colorado, University Memorial Center, Boulder, Colorado

## PRELIMINARY WORKSHOP AGENDA

Day I, August 13, 2012	
Time	Activity
8:00 am	Breakfast and Registration
9:00 am	<b>Welcome and Opening Remarks</b> <i>Shyam Sunder, Director, Engineering Laboratory, National Institute of Standards and Technology (NIST)</i> <i>George Arnold, National Coordinator for Smart Grid Interoperability, NIST</i> <i>Michael Knotek, Director, Renewable and Sustainable Energy Institute (RASEI), University of Colorado</i>
9:20 am	<b>Plenary I: Smart Grid – Perspectives on Current Challenges and a Look into the Future</b> <i>John MacDonald, Director, Technical Strategy and Policy Development, GE Digital Energy</i> <i>Mark McGranaghan, Vice President of Power Delivery and Utilization, Electric Power Research Institute</i>
10:20 am	<b>Charge to Participants</b> TBD Overview on objectives for breakouts, expected outcomes
10:30 am	<b>Break</b> Network and move to breakout rooms
10:50 am	<b>Breakout Session I - Current State of the Smart Grid</b> What is possible with today's technologies and system components
11:50 am	<b>Lunch</b>
1:00 pm	<b>Breakout Session II – Future Goals and Vision</b> Aspirational goals and vision for the Smart Grid of the future
2:00 pm	<b>Breakout Session III – Major Technological and Other Challenges</b> Major technology and measurement science challenges to be overcome to achieve the vision and goals for the Smart Grid of the future
3:00 pm	<b>Break</b>
3:15 pm	<b>Breakout Session III – Challenges Continued</b> Broad societal, regulatory, political, or other institutional challenges to be overcome to achieve the vision and goals of the Smart Grid of the future
4:00 pm	<b>Report Out Preparation</b>
4:15 pm	<b>Plenary II: Day One Recap</b> Working Group Chairs review major findings from each breakout group
5:15 pm	<b>Adjourn</b>
5:45 pm	<b>Reception and Dinner</b> (Location TBD)
Day 2, August 14, 2012	
7:45 am	<b>Breakfast</b>
8:30 am	<b>Plenary III – Framing the Second Day</b> <i>George Arnold, NIST and Michael Knotek, University of Colorado</i>
8:45 am	<b>Move to Breakout Rooms</b>
9:00 am	<b>Breakout Session Recap: Review of Breakout Session I, II, and III Results and Prioritization of Challenges</b> Breakout groups go over previous results and refine and add as needed
10:00 am	<b>Break</b>

10:15 am	<b>Breakout Session IV – Research and Measurement Science Priorities</b> R&D needed to overcome high priority technological and measurement challenges
11:30 am	<b>Lunch</b>
12:30 pm	<b>Plenary Session III: Day Two Recap</b> Working Group Chairs review findings from each breakout group
1:15 pm	<b>Panel Discussion: Cross-cutting Themes</b> Co-chairs, Organizers, and Working Group Chairs provide perspectives on themes
1:55 pm	<b>Closing Remarks</b> <i>George Arnold, NIST and Michael Knotek, University of Colorado</i>
2:00 pm	<b>General Workshop Adjourn</b>
2:15 – 3:15 pm	<b>Working Group Debrief</b>