

AGENDA

iiESI WORKSHOP

The Value Proposition for Energy Systems Integration

Imperial College
170 Queen's Gate, SW7 2AZ
London
Building 24 (see map)
May 16, 2017

MAY 16, 2017

| TIME | TOPIC | PRESENTER |
|--|-------|-----------|
| <p>An iiESI workshop will be hosted by Imperial College on May 16 (in conjunction with an EPRI Power Delivery and Utilization Advisors Meeting – EPRI European Advisors Meeting - London) This workshop will address The Value Proposition for Energy Systems Integration and the research coordination that is needed to realize the value proposition. The agenda is designed with a mix of research activities and case studies that are already illustrating this value proposition. These are global issues and different priorities and solutions being implemented around the world. Understanding the value proposition, taking into account all perspectives, is critical as a starting point. This workshop will help characterize the approaches for assessing the value proposition and the needs for basic research, standards development, demonstrations, etc. to validate the value proposition. iiESI will help provide coordination of these research efforts from around the world.</p> <p>Further details please contact Kathryn Avedon - Kathryn.Avedon@nrel.gov</p> | | |
| <p><i>Workshop Readings Provided:</i></p> <ul style="list-style-type: none"> • EPRI's "The Integrated Energy Network: Connecting customers to reliable, safe, affordable, and cleaner energy" • HubNet's "Integrated energy systems: An overview of benefits, analysis methods, research gaps and opportunities" • iiESI's "Energy Systems Integration: Defining and Describing the Value Proposition" | | |

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| MAY 16, 2017 | | |
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| TIME | TOPIC | PRESENTER |
| 8:30 am | Registration Open (coffee provided) | |
| 9:30 – 10:30 am | Energy Systems Integration Framework <ul style="list-style-type: none"> Economic Assessment Framework for Energy Systems Integration EPRI Integrated Energy Network and the Economics of Energy Integration Energy Systems Design for Developing Countries Discussion | <i>Led by Mark O'Malley (McGill & UCD)</i> <i>Goran Strbac (Imperial College)</i> <i>Tom Wilson (EPRI)</i> <i>Pankaj Batra (Central Electricity Authority, India)</i> |
| 10:30 – 11:00am | Break | |
| 11:30 – 12:30pm | Energy Systems Integration Investment Opportunities <ul style="list-style-type: none"> Smart Multi Energy Systems: Challenges and Opportunities The potential for active demand response with heat pumps Infrastructure Investment Requirements for the Integrated Energy System - Grid Modernization Discussion | <i>Led by Henrik Madsen (DTU)</i> <i>Roch Drozdowski-Strehl (NTU, Singapore)</i> <i>Erik Delarue (KU Leuven)</i> <i>Laurent Schmitt (ENTSO-e)</i> |
| 12:30 – 2:00pm | Lunch | |
| 2:00 – 3:15pm | Consumer/Community Scale Case Studies <ul style="list-style-type: none"> Energy storage applications for self-consumption, Integrating the customer - REALVALUE Integrated Urban Energy Systems Discussion | <i>Led by William D'haeseleer (KU Leuven)</i> <i>Nina Munzke (KIT)</i> <i>Rowena McCappin (Glenn Dimplex)</i> <i>Nilay Shah (Imperial College)</i> |
| 3:15 – 3:30pm | Break | |
| 3:30 – 4:30pm | National Case Studies <ul style="list-style-type: none"> IEC Concept in Japan Energy Systems Integration in Denmark Discussion | <i>Led by Mark McGranaghan (EPRI)</i> <i>Naoki Toda (TEPCO Research Institute)</i> <i>Peter Borre Erikson (EnerginetDK)</i> |
| 4:30 – 5:30pm | Wrap Up <ul style="list-style-type: none"> Developing the Action Plan | <i>Mattias Andersson (DTU)</i> |