

## PANEL 11 SESSION SCHEDULE

Monday, August 18	
<b>8:30 am - 10:00 am SESSION 1</b>	
	<b>The New Toolbox for EE Program Design (Greg Wikler)</b>
<i>Title:</i>	<i>Unlocking Customer Insights on Energy Savings and Behavior through Use of AMI Metering</i>
<i>Lead Author:</i>	<i>Christopher Holmes, Electric Power Research Institute (Angela Chuang presenting)</i>
<i>Title:</i>	<i>Advances in Measurement and Verification that are Good for All Industry Stakeholders</i>
<i>Lead Author:</i>	<i>Erik Boyer, Bonneville Power Administration</i>
<i>Title:</i>	<i>Leveraging Big Data to Develop Next Generation Demand Side Management Programs and Energy Regulations</i>
<i>Lead Author:</i>	<i>Daniel Young, Energy Solutions</i>
<b>10:00 am - 12:00 pm SESSION 2</b>	
	<b>DR 2.0: The Expanding Role of DR (Greg Wikler)</b>
<i>Title:</i>	<i>Operationalizing Smart Meter Data with "Medium Data" Tools</i>
<i>Lead Author:</i>	<i>Dennis Nelson, BC Hydro</i>
<i>Title:</i>	<i>Residential Appliance Demand Response Testing</i>
<i>Lead Author:</i>	<i>Scott Mitchell, Southern California Edison</i>
<i>Title:</i>	<i>Redefining Smart: Evaluating Clean Energy Opportunities from Products with Grid Connected Functionalities</i>
<i>Lead Author:</i>	<i>Priya Sreedharan, Energy + Environment Economics (E3)</i>
Tuesday, August 19	
<b>8:30 am - 10:00 am SESSION 1</b>	
	<b>Taking Control of DR (Greg Wikler)</b>
<i>Title:</i>	<i>Fast DR: Controlling Small Loads over the Internet</i>
<i>Lead Author:</i>	<i>Sila Kiliccote, Lawrence Berkeley National Laboratory</i>
<i>Title:</i>	<i>Beyond Advanced Lighting Controls: Reaching Net Zero with Integrated Building Controls</i>
<i>Lead Author:</i>	<i>James Donson, KW Engineering</i>
<i>Title:</i>	<i>Enabling Broad Adoption of Distributed PV-Storage Systems via Supervisory Planning and Control</i>
<i>Lead Author:</i>	<i>Nicholas DeForest, Lawrence Berkeley National Laboratory</i>
<b>10:00 am - 12:00 pm SESSION 2</b>	
	<b>FDD: Better, Faster, Stronger (Larry Brackney)</b>
<i>Title:</i>	<i>Bridging the Gap between Simulation and the Real World: An Application to FDD</i>
<i>Lead Author:</i>	<i>Marco Bonvini, Lawrence Berkeley National Laboratory</i>
<i>Title:</i>	<i>Tightening the Constraints Faster: A Statistical Process Control Methodology for Building Diagnostics</i>
<i>Lead Author:</i>	<i>Jason Trager, UC Berkeley</i>
<i>Title:</i>	<i>Towards a Wiser Use of Intelligence: Fieldwork in the Application of Information Technology in a Commercial Building</i>
<i>Lead Author:</i>	<i>Carl Blumstein, California Institute for Energy and Environment</i>

## PANEL 11 SESSION SCHEDULE

Wednesday, August 20	
<b>8:30 am - 10:00 am SESSION 1</b>	
	<b>Rosetta Stones for Controls, DR and Advanced Metering (Greg Wikler)</b>
<i>Title:</i>	<i>Rapid Prototyping of Energy Management Applications with FRESH</i>
<i>Lead Author:</i>	<i>Brian Lim, Fraunhofer Center for Sustainable Energy Systems</i>
<i>Title:</i>	<i>Advanced Metering Implementations: A Perspective from Federal Sector</i>
<i>Lead Author:</i>	<i>Shankar Earni, Lawrence Berkeley National Laboratory</i>
<i>Title:</i>	<i>CloudFridge: A Cloud-Based Control System for Commercial Refrigeration Systems</i>
<i>Lead Author:</i>	<i>Marco Pritoni, Western Cooling Efficiency Center</i>
<b>10:00 am - 12:00 pm SESSION 2</b>	
	<b>Modeling: The State of Things (Larry Brackney)</b>
<i>Title:</i>	<i>Whole Building Energy Analysis: A Comparative Study of Different Simulation Tools and Applications in Architectural Design</i>
<i>Lead Author:</i>	<i>Abdul Abdullah, Perkins + Will</i>
<i>Title:</i>	<i>Performance Metrics and Objective Testing Methods for Energy Baseline Modeling Software</i>
<i>Lead Author:</i>	<i>Jessica Granderson, Lawrence Berkeley National Laboratory</i>
<i>Title:</i>	<i>A Comparison of Methods for Early-Stage Retrofit Analyses</i>
<i>Lead Author:</i>	<i>W.H. Gaasch, Retroficiency, Inc.</i>
Thursday, August 21	
<b>8:30 am - 10:00 am SESSION 1</b>	
	<b>Modeling: Better, Faster, Stronger (Larry Brackney)</b>
<i>Title:</i>	<i>Merging the Power of Simulation with the Simplicity of a Spreadsheet: Heat Pump Savings Calculator</i>
<i>Lead Author:</i>	<i>Jacob Dunn, University of Idaho Integrated Design Lab (Kevin Van Den Wymelenberg presenting)</i>
<i>Title:</i>	<i>Meters to Models: Using Smart Meter Data to Predict Home Energy Use</i>
<i>Lead Author:</i>	<i>Krystian Perez, University of Texas at Austin</i>
<i>Title:</i>	<i>Integration of a Reduced Order Monthly Building Energy Model into OpenStudio</i>
<i>Lead Author:</i>	<i>Ralph Muehleisen, Argonne National Laboratory</i>
<b>10:00 am - 12:00 pm SESSION 2</b>	
	<b>Looking into the Crowd and Skies for Better Decisions (Greg Wikler)</b>
<i>Title:</i>	<i>Crowdsourcing and Other Free Ways to Supercharge DSM with the Internet</i>
<i>Lead Author:</i>	<i>Dave Costenaro, Applied Energy Group</i>
<i>Title:</i>	<i>"Watts" Where, and Why? Using GIS to Identify Energy Efficiency Opportunities</i>
<i>Lead Author:</i>	<i>Richard Crowley, DNV GL</i>
	<b>OPEN SLOT</b>

## PANEL 11 SESSION SCHEDULE

Friday, August 22	
<b>8:30 am - 10:00 am SESSION 1</b>	
	<b>Untangling the Web for Efficiency (Larry Brackney)</b>
<i>Title:</i>	<i>Getting Real with Energy Data: Using the Buildings Performance Database to Support Data-Driven Analyses and Decision-Making</i>
<i>Lead Author:</i>	<i>Richard Brown, Lawrence Berkeley National Laboratory</i>
<i>Title:</i>	<i>Enabling Detailed Energy Analyses via the Technology Performance Exchange</i>
<i>Lead Author:</i>	<i>Daniel Studer, National Renewable Energy Laboratory</i>
<i>Title:</i>	<i>Accessorizing Building Science: A Web Platform to Support Multiple Market Transformation Programs</i>
<i>Lead Author:</i>	<i>Michael Madison, Battelle/Pacific Northwest National Laboratory</i>
<b>10:00 am - 12:00 pm SESSION 2</b>	
	<b>Data and What to Do With It (Larry Brackney)</b>
<i>Title:</i>	<i>Energy Data Access: Who Wants the Data?</i>
<i>Lead Author:</i>	<i>Mikhail, Haramati, Opinion Dynamics</i>
<i>Title:</i>	<i>Turning Today's Data into Tomorrow's Reality</i>
<i>Lead Author:</i>	<i>Melissa Culbertson, CLEAResult</i>
	<b>OPEN SLOT</b>