

**DRAFT - schedule changes weekly**

**PANEL: 12 - Smart Buildings, Smart Grid, Information Technology (Acacia)**

Day	SESSIONS	LEAD AUTHOR/ORGANIZATION	TITLE
Mon 8/22	Session 1 8:30 am - 10:00 am Auditing: Where No One Has Gone Before	John Avina, Abraxas Energy Consulting	Virtual Audits: The Promise and the Reality
		Siddharth Patel, Stanford University	Time Will Tell: Using Smart Meter Time Series Data to Derive Household Features and Explain Heterogeneity in Pricing Programs
		Michael Baker, SBW Consulting	Can We Find the End Use in Smart Metering Data?
	Session 2 10:30 am - 12:00 pm Energy Modeling Cross-Fit	Ry Horsey, National Renewable Energy Laboratory	Achieving Actionable Results from Available Inputs: Meta Models Take Building Energy Simulations One Step Further
		Zeyu Wang, University of Florida	Homogeneous Ensemble Model for Building Energy Prediction: A Case Study Using Ensemble Regression Tree
		Gabriel Fierro, University of California, Berkeley	Enabling Portable Energy Accounting Applications with a Building Operating System
Tues 8/23	Session 1 8:30 am - 10:00 am Modeling: Beyond Design	Stephen Frank, National Renewable Energy Laboratory	Hybrid Model-based and Data-driven Fault Detection and Diagnostics for Commercial Buildings
		Jessica Granderson, Lawrence Berkeley National Laboratory	Can We Practically Bring Physics-Based Modeling into Operational Analytics Tools?
		Clifford Glantz, Pacific Northwest National Laboratory	Evaluating the Maturity of Cybersecurity Programs for Building Control Systems
	Session 2 10:30 am - 12:00 pm Disaggregating Needles from Haystacks	Michael Zeifman, Fraunhofer Center for Sustainable Energy Systems	Residential Remote Audits: Estimation of Building Thermal Parameters Using Interval Energy Consumption Data
		Ted Helvoigt, Evergreen Economics	A Smart Approach to Analyzing Smart Meter Data
		Kristen Cetin, Iowa State University	Disaggregation and Future Prediction of Monthly Residential Building Energy Use Data Using Localized Weather Data Network

Day	SESSIONS	LEAD AUTHOR/ORGANIZATION	TITLE
Wed 8/24	Session 1 8:30 am - 10:00 am Getting Connected	Bruce Nordman, Lawrence Berkeley National Laboratory	Occupancy Detection with Implicit Sensing for Energy Savings and More
		David Dobratz, Eversource	Load-Side Grid Mangement: Power Monitoring and Load Control Automation
		Robert Lamoureux, Cadmus	Home Energy Management Systems (HEMS) Paths to Savings: On-Ramps and Dead Ends
	Session 2 10:30 am - 12:00 pm HVAC Controls on Steroids	Therese Peffer, CA Institue for Energy and Environment	Writing Controls Sequences for Buildings: From HVAC Industry Enclave to Hacker's Weekend Project
		Atefe Makhmalbaf, Pacific Northwest National Laboratory	Performance Quantification of Different HVAC Control Strategies with Application to Demand Response
		Michael Anderson, University of California, Berkeley	Well-Connected Microzones for Increased Building Efficiency and Occupant Comfort
Thurs 8/25	Session 1 8:30 am - 10:00 am Data-Driven Programs	Constantine Kontokosta, New York University	DataIQ: A Machine Learning Approach to Predicting and Improving Energy Performance Data Quality and Reliability
		Hassan Shaban, ICF International	Mining Energy Efficiency Program Data
		Kate Desrochers, Vermont Energy Investment Corporation	"From Geotargeting to Geoenlightenment: Overlaying Disparate Data to Best Target Program Funds and Manage the Grid?"
	Session 2 10:30 am - 12:00 pm Wait - Buildings are for People?!?!?	Paolo Bertoldi, European Commission	Consumer Feedback Systems: How Much Energy Saving Will They Deliver and For How Long?
		Graeme Stuart, Institute of Energy and Sustainable Development	Closing the Feedback Loop: A Systems Approach to Supporting Community-Wide Behavior Change in Non-Domestic Buildings
		Dylan Cutler, National Renewable Energy Laboratory	Creating an Energy Intelligent Campus: Data Integration Challenges and Solutions at a Large Research Campus
Fri 8/26	Session 1 8:30 am - 10:00 am	OPEN SESSION	
	Session 2 10:30 am - 12:00 pm	OPEN SESSION	