

"Accelerating Our Energy Efficient Future"

SUMMIT SCHEDULE

All events will take place at the Sacramento Convention Center unless otherwise noted.

November 7-9, 2010
Sacramento
Convention Center

Sunday, November 7th

6:00pm - 7:30pm
Welcome Reception
Location: Sacramento Hyatt

Monday, November 8th

6:30am - 6:00pm
Summit Registration Desk Open
7:00am - 8:30am
Breakfast
8:30am - 10:00am
Opening Plenary & Welcoming Address
10:00am - 10:15am
Break
10:15am - 11:45am
Concurrent Workshops: Session #1
11:45am - 1:15pm
Lunch & Keynote Address
1:15pm - 2:45pm
Concurrent Workshops: Session #2
2:45pm - 3:00pm
Break
3:00pm - 4:30pm
Concurrent Workshops: Session #3
4:30pm - 4:45pm
Break
4:45pm - 6:15pm
Concurrent Workshops: Session #4
6:15pm - 8:15pm
Reception Plenary & Exhibit Viewing

Tuesday, November 9th

6:30am - 4:00pm
Summit Registration Desk Open
7:00am - 8:30am
Breakfast Plenary & Exhibit Viewing
8:30am - 10:15am
Exhibit Viewing
10:15am - 11:45am
Concurrent Workshops: Session #5
11:45am - 1:15pm
Lunch and Plenary Panel
1:15pm - 2:45pm
Concurrent Workshops: Session #6
2:45pm - 3:00pm
Break
3:00pm - 4:30pm
Concurrent Workshops: Session #7
4:30pm - 6:00pm
Informal "After-Conference" Reception
Location: Hyatt lobby bar

Monday, November 8				
	Track 1	Track 2	Track 3	Track 4
	Mass Market	Commercial	Industrial & Ag	Shaping the ET Future
Session 1	Consumer Electronics	Commercial Demand Response Innovations	Controlling Industrial Energy Use	Electric Vehicles - a New Spin
10:15 am - 11:45 am	<p>Panel Chair: Lee Cooper, PG&E</p> <p><i>Learn about the role of energy efficiency in home electronics with the convergence of entertainment, computing, and communication technologies.</i></p> <ul style="list-style-type: none"> • Sarah Bresko, PG&E • G.P. Li, UC Irvine Calit2 • Ken Lowe, VIZIO • Henry Wong, Intel 	<p>Panel Chair: Mary Ann Piette, DRRC</p> <p><i>Smart Grid and Open DR have enabled a wide range of new options for providers and customers of all sizes. Come and learn about how the latest technologies allow DR and EE to leverage each other for optimum cost effectiveness.</i></p> <ul style="list-style-type: none"> • Carlos Halaad, SCE - DR opportunities of non-HVAC loads • Karen Herter, Herter Energy Research Solutions - Small commercial peak pricing and automated DR for SMUD • Sila Kiliccote, LBNL - Current statewide automated DR and emerging fast DR 	<p>Panel Chair: François Xavier Rongere, PG&E</p> <p><i>Keeping optimal the energy performance of an industrial facility is always a challenge. Come hear how monitoring and control systems now allow to precisely understand and manage energy use in industrial processes, with multiple benefits including: permanent commissioning, performance based maintenance, strategic energy management at the facility or corporation level, demand response, etc.</i></p> <ul style="list-style-type: none"> • Scott Mitchell, SCE - Remote refrigeration diagnostics and control for refrigerated warehouses • Bill Schiel, InvenSys 	<p>Panel Chair: Bill Boyce, SMUD</p> <p><i>Plug-in electric vehicles are here! Get the latest information about the vehicles, charging them and their interaction with the Grid.</i></p> <ul style="list-style-type: none"> • Mark Duvall, EPRI - Big picture • Richard Lowenthal, Coulomb Technologies - Manufacturer perspectives • Saul Zambrano, PG&E - Context of utility customer solutions
Session 2	Smart Grid and the Home	New Commercial Lighting Options	Recent Case Studies	Best Practices in ET Field Testing
1:15pm - 2:45 pm	<p>Panel Chair: Saul Zambrano, PG&E</p> <p><i>Smart Grid is coming to a city near you, especially in California. Discover what the Utilities are doing to assist you in using energy more wisely with the new information being obtained through the Smart Meter.</i></p> <ul style="list-style-type: none"> • Lucian Ion, GE Smart Grid Appliances • Tobin Richardson, ZigBee Alliance • Vikki Wood, SMUD - Home Area Network 	<p>Panel Chair: Teren Abear, SCE</p> <p><i>Get the highlights on how new sources, controls, and luminaires are revolutionizing options for commercial lighting.</i></p> <ul style="list-style-type: none"> • Gary Hamer, BC Hydro - Core sunlighting • Eleanor Lee, LBNL - Dynamic facades • Michael Siminovitch, CLTC Smart Lighting applications • Dr. Lorne Whitehead, University of BC - Core sunlighting 	<p>Panel Chair: Paul Roggensack, CEC</p> <ul style="list-style-type: none"> • Albert Chiu, PG&E - Ag Pump Aggregation Program • Peter Fiske, PAX Scientific Biomimicry & waste water technology • Eliza Jane Whitman, Parsons - Water and wastewater client ET case studies 	<p>Panel Chair: Edwin Hornquist, SCE</p> <p><i>Leading energy assessment practitioners are continuously honing their skills to measure ET performance in the field. Hear about the latest approaches for technical and human factors performance monitoring from those who are making it happen.</i></p> <ul style="list-style-type: none"> • Dave Baylon, Ecotope • Reid Hart, PECl • Jordan Shackelford, Energy Solutions • Stefano Schiavon, Center for the Built Environment
Session 3	Residential and Small Medium Business Research	Commercial HVAC systems	Peak Load Reduction and Load Management Solutions	The Art and Science of Innovation
3:00 pm - 4:30 pm	<p>Panel Chair: Randy Wong, PG&E</p> <p><i>Get the last information on what make a customer click when it come to making decisions on Energy Efficiency.</i></p> <ul style="list-style-type: none"> • Annetta Papadopoulos, IDEO - Consumer energy interests and information • Barbara Wingate, PG&E - SMB ethnographic research • Becky Yalch, Opinion Research Corporation - Residential customer research 	<p>Panel Chair: Paul Delaney, SCE</p> <p><i>Advanced electronics and other cutting edge technologies are transforming HVAC at all scales. Come and get a look at what's happening now and coming soon.</i></p> <ul style="list-style-type: none"> • Ron Domitrovik, EPRI - VRF multi-zone systems • Irfan Rehmanji, BC Hydro - VRF multi-zone systems and advanced air filtration • Peter Rumsey, Rumsey Engineers - Ultra efficient commercial Central HVAC systems • David Sellers, Facility Dynamics - Advanced air filtration 	<p>Panel Chair: Anish Gautam, CEC</p> <ul style="list-style-type: none"> • Doug Alderton, Premium Power - Large battery • Gregory T. Smedley, PhD, One-Cycle Control, Inc. - Flywheel controls • Charlie Vartanian, A123 - Industrial scale battery storage 	<p>Panel Chair: Jonathan Livingston, LEI</p> <p><i>Innovation is the cornerstone of business competitiveness and not surprisingly, of efficiency. It isn't easy, but it can be taught and learned. Come and hear about how to make innovation part of your job and your organization from top experts.</i></p> <ul style="list-style-type: none"> • Jeremy Clark, FXF, Inc. - Team innovation via social networks • Nitin Parekh, PARC - From the lab to the marketplace • Margaret Taylor, UCB
Session 4	Residential and Small Commercial Demand Response	Advanced Office Lighting and Controls	New Generation of Industrial Equipment	Investing in the Efficiency Domain
4:45 pm - 6:15 pm	<p>Panel Chair: Albert Chiu, PG&E</p> <p><i>Demand Response is <u>not</u> just for the big guys anymore. Explore the new technologies, programs and rate designs that the Utilities are implementing to engaged customers with demand response.</i></p> <ul style="list-style-type: none"> • Tracy Cheung, PG&E - Peak day pricing • Karen Herter, Herter Energy Research Solutions - DR research, SMUD pilot project results • Bashar Kellow, PG&E - DR heat pump water heater • Charles McParland, LBNL - Home network technologies and automating demand response 	<p>Panel Chair: Doug Avery, SCE</p> <p><i>A new generation of controls and daylighting options are entering the market. Get the latest information from top North American technology developers and product innovators.</i></p> <ul style="list-style-type: none"> • Jim Benya, Benya & Associates - Lighting, day lighting, and state-of-the-art controls • Cathy Higgins, NBI - The Office of the Future • Carol Jones, PNNL - DOE commercial lighting solutions 	<p>Panel Chair: Mike Lozano, CEC</p> <ul style="list-style-type: none"> • Richard Kinsman, CO2Nexus - Supercritical Laundry Technology • Daniel J. Willems, PE, Gas Technology Institute - TMC and super boilers • Markus Zeller, BC Hydro - Emerging trends in industrial motor and drive technologies 	<p>Panel Chair: Dan Adler, CalCEF</p> <p><i>Where do the dozens of emerging technology start-ups get the resources to grow and thrive? What can new technology supporters learn from the investment community? Investment experts will demystify how you can partner with them to get the best new technologies to market quickly and successfully.</i></p> <ul style="list-style-type: none"> • Jon Forrester, EnergyRM - Views from investment recipient • Greg Kats, Good Energies - VC views • Peter Liu, New Resource Bank - Lender perspectives • Nancy Pfund, DBL Investors - VC Views

Tuesday, November 9				
	Track 1	Track 2	Track 3	Track 4
	Mass Market	Commercial	Industrial & Ag	Shaping the ET Future
Session 5	Zero Net Energy Home	Datacenters	Innovations & New Solutions in Agriculture	Innovation in ET Programs
10:15 am - 11:45 am	<p>Panel Chair: Bruce Baccel, SMUD <i>ZNE buildings are the ultimate goal. Discover the technologies that will get us to that goal.</i></p> <ul style="list-style-type: none"> • Bruce Baccel, SMUD - Passive Solar Retrofits • Ann Edminster, Design AVenues LLC - Zero Energy for all CA Climates • Damon Franz, CPUC - CSI Thermal Program 	<p>Panel Chair: Mark Bramfitt, Bramfitt Consulting <i>Data center efficiency has become mission critical for business competitiveness. Top experts will reveal their secrets to reduce energy use from server closets to massive cloud facilities.</i></p> <ul style="list-style-type: none"> • Dennis Symanski, EPRI - EPRI's data center emerging technology portfolio update • Henry Wong, Intel - Data center IT efficiency • Patrick Yantz, SGI - Advanced modular data 	<p>Panel Chair: Virginia Lew, CEC</p> <ul style="list-style-type: none"> • Charles M. Burt, PhD, PE, DWRE, Cal Poly - Topics in High Efficiency Irrigation for Agriculture • Ranjiv Goonetilleke, SoCalGas - Converting Rich Burn Engines to Lean Burn • Zangli Pan, UC Davis - Infrared food processing technology 	<p>Panel Chair: Jeffrey Harris, ASE <i>A secret to successful selection and implementation of new technologies is applying creative program approaches. Come and see how ET program leaders are rethinking and tuning their initiatives.</i></p> <ul style="list-style-type: none"> • Jack Callahan, BPA • Jorge Marques, BC Hydro • Linda Sandahl, PNNL - Government procurement • Alok Singh, SCE • Robyn Zander, SCE
Session 6	New Residential HVAC & Lighting Technologies	Making It Real: ZNE and Whole Building Performance Ratings	Emerging Developments in Industrial Facilities	The Next Big Thing
1:15pm - 2:45 pm	<p>Panel Chair: Ben Finkelor, UC Davis EEC <i>Learn about the latest developments in energy efficient HVAC and lighting technologies that are being designed for the mass market segment.</i></p> <ul style="list-style-type: none"> • Steven DenBaars, UC Santa Barbara Solid State Lighting and Energy Center • Ramin Faramarzi, SCE - Residential water cooled condenser evaluation • Mark Modera, WCEC • Michael Siminovitsh, CLTC 	<p>Panel Chair: Peter Turnbull, PG&E <i>What's required to bridge the gap between Zero Net Energy aspirations and measured performance benchmarks for commercial buildings?</i></p> <ul style="list-style-type: none"> • Dave Claridge, Texas A&M - Limits to EE in office buildings • George Denise, Adobe - The first LEED Platinum highrise office • David Kaneda, IDEAs - ZNE Commercial Buildings 	<p>Panel Chair: Kiel Pratt, CEC</p> <ul style="list-style-type: none"> • Steve Greenburg, LBNL - Advanced industrial facilities • Charles Kim, SCE - Compressed air blower technology • Paul Mathew, PhD, LBNL - Benchmarking labs and hospitals • William Tschudi, LBNL - Emerging technologies for high-tech industry 	<p>Panel Chair: Dave Hewitt, NBI <i>What's new and what's coming, both outside of standard categories and also at the intersections? Come and see where tomorrow's breakthroughs are likely to come from.</i></p> <ul style="list-style-type: none"> • Lucian Ion, GE - HAN and Smart Grid opportunities • Dr. Bruce Lanning, ITN - Electrochromic thin film • G.P. Li, UC Irvine - Telepresence
Session 7	Retrofitting Existing Homes for Energy Efficiency	Pushing the Envelope: Advanced Commercial Cooling Technologies	Creative Financing	Paths to Technology Integration
3:00 pm - 4:30 pm	<p>Panel Chair: Southard Jones, PG&E <i>Explore what new technologies will give you the biggest bang for the buck when it comes to reducing your energy usage at home.</i></p> <ul style="list-style-type: none"> • Dr. Lisa Gartland, PositivEnergy - Cool Roofs-Title 24 coming changes • Southard Jones, PG&E - Whole House Pilot • Mike Keesee, SMUD - Deep Retrofits 	<p>Panel Chair: Mark Modera, WCEC <i>The Western Cooling Challenge and other initiatives are driving hybrid and other breakthrough solutions in commercial space heating and cooling. Get the inside story on what's coming out of the lab and into the marketplace.</i></p> <ul style="list-style-type: none"> • Dick Bourne, WCEC - RTU retrofit initiative • Ramin Faramarzi, SCE - Assuring long-term RTU efficiency and performance with automated fault detection and diagnosis • Jonathan Wooley, WCEC - Hybrid rooftop packaged units 	<p>Panel Chair: Abdullah Ahmed, SoCalGas/SDG&E</p> <ul style="list-style-type: none"> • Brian DiGiorgio, PG&E • Jon Forrester, EnergyRM - Commercial building financing • Gary Levingston, SCE - Working with IOUs - TRIO • Frank Spasaro, CoSalGas/SDG&E - On Bill Financing • Robyn Zander, SCE - Off-bill financing 	<p>Panel Chair: Michael Deru, NREL <i>Design and technology developments such as integral DC power in homes and commercial buildings pave the way for new approaches to efficiency, on-site renewable generation, and demand response. See the latest products and approaches entering the market and how they accelerate opportunities for ZNE buildings.</i></p> <ul style="list-style-type: none"> • Jordana Cammarata, CPUC • Karl Johnson, CIEE • Peter Turnbull, PG&E