

2016 ACEEE SUMMER STUDY ON ENERGY EFFICIENCY IN BUILDINGS

From Components to Systems, From Buildings to Communities

CO-CHAIRS: William Livingood, *National Renewable Energy Laboratory*; Nan Zhou, *Lawrence Berkeley National Laboratory*

Preliminary Program at a Glance

TIME	SUNDAY AUGUST 21	MONDAY AUGUST 22	TUESDAY AUGUST 23	WEDNESDAY AUGUST 24	THURSDAY AUGUST 25	FRIDAY AUGUST 26
7:30 am - 8:30 am		Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
8:30 am - 10:00 am		Panel Sessions	Panel Sessions	Panel Sessions	Panel Sessions	Panel Sessions
10:00 am - 10:30 am		Break	Break	Break	Break	Break
10:30 am - 12:00 pm		Panel Sessions	Panel Sessions	Panel Sessions	Panel Sessions	Panel Sessions
12:00 pm - 12:45 pm		Lunch Group A	Lunch Group A	Lunch Group A	Lunch Group A	Lunch Group A
12:45 pm - 1:30 pm		Lunch Group B	Lunch Group B	Lunch Group B	Lunch Group B	Lunch Group B
2:00 pm - 4:00 pm	Registration (open until 8:00 pm)	Informal Sessions	Informal Sessions	Free Afternoon 1:00 pm - 6:00 pm	Informal Sessions	End of Summer Study
4:00 pm - 6:00 pm	Reception		Posters/Displays		Posters/Displays Reception Sponsored by: DNV GL	
6:00 pm - 7:00 pm	Dinner	Dinner	Dinner	Dinner	Dinner	
7:30 pm - 9:00 pm	Plenary Session	Plenary Session	Plenary Session	Social Event Beach Party	Closing Dance Party	
9:00 pm - 11:00 pm	Hospitality	Hospitality	Hospitality			

The schedule for sessions will be regularly updated at: <http://aceee.org/conferences/2016/ssb>



American Council for an Energy-Efficient Economy

PANEL 1

Residential Buildings: Technologies, Design, Performance Analysis, Construction, and Building Industry Trends

Panel Leaders: David Roberts, *National Renewable Energy Laboratory* and Meli Stylianou, *Natural Resources Canada*

PANEL 2

Residential Buildings: Program Design, Implementation, and Evaluation

Panel Leaders: Valerie Richardson, *DNV GL* and Tory Weber, *Southern California Edison*

PANEL 3

Commercial Buildings: Technologies, Design, Performance Analysis, Construction, and Building Industry Trends

Panel Leaders: Srinivas Katipamula, *Pacific Northwest National Laboratory* and Clay Nesler, *Johnson Controls, Inc.*

PANEL 4

Commercial Buildings: Program Design, Implementation, and Evaluation

Panel Leader: Tom Coughlin, *National Grid* and Ramin Faramarzi

PANEL 5

Codes and Standards

Panel Leaders: Bing Liu, *Pacific Northwest National Laboratory* and My Ton, *P&R Energy*

PANEL 6

Utilities and the Future

Panel Leaders: Rafael Friedmann, *Pacific Gas & Electric Company* and Tim Stout, *E Source*

PANEL 7

Market Transformation with Speed and Scale

Panel Leaders: Chad Bulman, *Chicago Bridge & Iron* and Susan Hermetet, *Northwest Energy Efficiency Alliance*

PANEL 8

Capturing Savings through Behavior

Panel Leaders: Tianzhen Hong, *Lawrence Berkeley National Laboratory* and David Lehrer, *University of California, Berkeley*

PANEL 9

Energy Efficiency and Climate Change Policy: US & Beyond

Panel Leaders: Adam Hinge, *Sustainable Energy Partnerships* and John Wilson, *Energy Foundation*

PANEL 10

Net Zero, Net Positives

Panel Leaders: Paul Torcellini, *National Renewable Energy Laboratory* and Peter Turnbull, *Pacific Gas & Electric Company*

PANEL 11

Resilient, Sustainable Communities

Panel Leaders: Katherine Johnson, *District of Columbia Department of the Environment* and Stephanie Ohshita, *Lawrence Berkeley National Laboratory*

PANEL 12

Smart Buildings, Smart Grid, Information Technology

Panel Leaders: Larry Brackney, *National Renewable Energy Laboratory* and Chad Gilless, *EnerNOC*

PANEL 13

Display Presentations

Panel Leaders: Kristen Parrish, *Arizona State University*

2016 FUNDERS

PLATINUM:

Pacific Gas & Electric Company

GOLD:

DNV GL

D+R International

Energize Connecticut

Sacramento Municipal Utility District

Southern California Edison

US Department of Energy

US Environmental Protection Agency

US Green Building Council

SILVER:

Center for Energy and Environment

CLEAResult

Columbia Gas of Ohio

ComEd

EnergySavvy

Energy Trust of Oregon

Franklin Energy

Northwest Energy Efficiency Alliance

Opower

BRONZE:

Bonneville Power Administration

Cadmus

Copper Development Association

e4theFuture

ICF International

Itron

Legrand

Research Into Action

Vermont Energy Investment Corporation

Wisconsin Energy Conservation Corporation

ORGANIZING COMMITTEE

William Livingood (Co-Chair)

National Renewable Energy Laboratory

Nan Zhou (Co-Chair)

Lawrence Berkeley National Laboratory

Jennifer Amann, Rebecca Lunetta,

Glee Murray, Steve Nadel, Lynn Pyle,

and Justine Seas

American Council for an

Energy-Efficient Economy

Registration for the 2016 Summer Study is limited and will be available on a first-come, first-served basis. All fees must accompany this form in order to register. NO registration will be held without full payment. **NOTE: All speakers must register and pay the registration fee.**

NAME (please print legibly)			TITLE/POSITION	ORGANIZATION
ADDRESS			WORK PHONE	CELL PHONE
ADDRESS			ORGANIZATION'S TWITTER HANDLE	
CITY	STATE/PROVINCE	ZIP/POSTAL CODE	COUNTRY	EMAIL ADDRESS

Do you want vegetarian meals? Yes No Do you have special dietary needs? _____

Will you be presenting a Paper or a Display? If so, paper/display ID# _____ Panel # _____

REGISTRATION CATEGORY	EARLY BIRD until 6/20/16	REGULAR 6/21/16 - 7/20/16	LATE beginning 7/21/16	Amount Due
Full Conference: includes access to all sessions, hospitalities, and the Beach Party event on Wednesday, August 24. Registrant will receive badge and one conference packet including the program and flash drive containing the 2016 proceedings.	\$972	\$1,072	\$1,272	\$ _____
Full Conference - Student: A limited number of registrations are available for college/university full-time students. To qualify, registrant must include a transcript indicating current enrollment in at least 12 credit hours per semester as well as a valid student ID. If accepted, applicant will receive the same benefits as a full conference registrant.	\$572	\$572	N/A	\$ _____
One-Day Registration: - includes sessions and reception/hospitality events per day. Wednesday night Beach Party event tickets are included with full conference registrations only. Tickets can be purchased below. Registrant will receive one conference packet regardless of the number of days attending. Please check off which day(s) you are attending. <input type="checkbox"/> Mon <input type="checkbox"/> Tues <input type="checkbox"/> Wed <input type="checkbox"/> Thurs <input type="checkbox"/> Fri	\$642 (plus \$312 for each additional day)	\$642 (plus \$312 for each additional day)	\$642 (plus \$312 for each additional day)	\$ _____
Beach Party Event - Additional Ticket Wednesday evening, August 24 One ticket is included with all full registrations. This registration option is meant for one-day Wednesday or full conference registrants wanting to purchase additional guest tickets.	Adult - \$50 Child (2-12 yrs) \$25	Adult - \$50 Child (2-12 yrs) \$25	Adult - \$50 Child (2-12 yrs) \$25	\$ _____ \$ _____
Help support our Linda Latham Scholars. They are our next generation of energy efficiency professionals. Their attendance at SS16 is due to the generosity of people like you who understand the importance of their participation, the learning and networking opportunities only Summer Study can offer.				\$ _____
Summer Study Jacket: MENS <input type="checkbox"/> SM <input type="checkbox"/> MED <input type="checkbox"/> LRG <input type="checkbox"/> XL <input type="checkbox"/> XXL \$50 x _____ WOMENS <input type="checkbox"/> SM <input type="checkbox"/> MED <input type="checkbox"/> LRG <input type="checkbox"/> XL <input type="checkbox"/> XXL \$50 x _____	\$50 each \$50 each	\$50 each \$50 each	\$50 each \$50 each	\$ _____ \$ _____
Wire Transfer Fee (if applicable)	\$35	\$35	\$35	\$ _____
TOTAL AMOUNT ENCLOSED (Please note that all fees are due with this form.)				\$ _____

Group Registrations: Groups registering ten (10) or more will receive a discounted rate of \$922 per person. Group registrations must be submitted together. Group registrations must be submitted together via email or mail.

Rotations/Sharing: ACEEE does not offer the option of rotations or sharing of registrations. The minimal registration option available is a one-day rate.

To Register: Go to: <http://aceee.org/conferences/2016/ssb#registration> to register online -or- fill out this registration form and mail or email it to: Justine Seas, ACEEE Conferences, 529 14th Street, NW, Suite 600, Washington, DC 20045 Email: aceeeconf@aceee.org; Phone: 202-507-4018.

Housing Instructions: Make your online housing reservations through Asilomar using this link: <http://aceee.org/conferences/2016/ssb#accommodations>

Cancellation and Refund Policy: Registration refund requests due to cancellation must be submitted in writing and received no later than July 22, 2016. A \$150 processing fee will be charged. Cancellation refunds will not be processed after the July 22 deadline. Refunds will be paid by check or credit card chargebacks.

Opt Out: ACEEE includes a registrant directory in the packets distributed to all attendees. ACEEE may also share your name and affiliation, in advance of the event, with our conference funders and major supporters who may contact you regarding events they are hosting in conjunction with Summer Study.

If you prefer not to be included in advanced listings, check the box below.

I opt out of ADVANCED distribution of my name and affiliation.

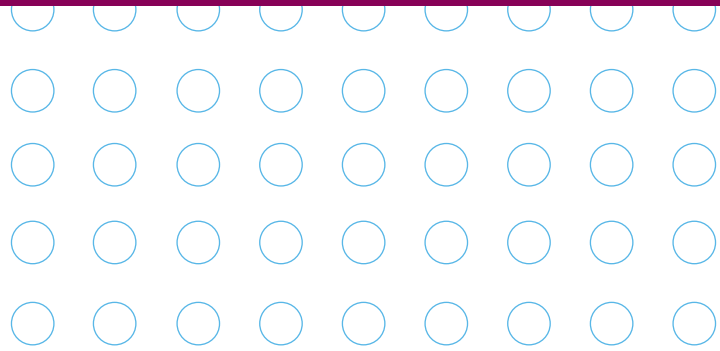
PAYMENT INFORMATION (Full payment must accompany this form.)

I am enclosing a check for the total amount due, made payable to ACEEE 2016 Summer Study.

I will pay by wire transfer and understand that there is an additional fee.

I authorize the American Council for an Energy-Efficient Economy to charge my 2016 Summer Study fees to my VISA, AMEX, or MASTERCARD account.

Cardholder's Name	Signature
Account Number	Expiration date



2016 ACEEE Summer Study on Energy Efficiency in Buildings

August 21-26, 2016

**Asilomar Conference Center
Pacific Grove, California**

Who Should Attend?

Individuals interested in promoting energy efficiency in buildings through innovative technologies, programs, and policies are encouraged to attend. Past participants included representatives from industries and utilities; architects; builders; financial and insurance professionals involved with buildings; clean-tech investors; manufacturers of building products, appliances, and equipment; building owners and operators; engineers; local, state, and federal agency personnel; energy researchers; and consultants. Participants will find the unique blend of formal presentations and opportunities for informal meetings invaluable.

Early Bird Registration Deadline: June 20, 2016

Regular Registration Deadline: July 21, 2016

2016 ACEEE SUMMER STUDY ON ENERGY EFFICIENCY IN BUILDINGS

From Components to Systems, From Buildings to Communities

The 2016 ACEEE Summer Study is the 19th biennial ACEEE conference on Energy Efficiency in Buildings. A diverse group of professionals from around the world will gather at this preeminent meeting to discuss the technological basis for, and practical implementation of, actions to reduce energy use and the climate impacts associated with buildings. Presentations and discussions will relate to the theme, "From Components to Systems, From Buildings to Communities." Opportunities for advancing energy efficiency abound. Advancements in information technology, communications, sensors, controls, social media, and behavior require addressing the whole building, not just its components. The digitization of data and access to tools to convert them into real-time information provide a huge opportunity to overcome the fragmentation of the buildings industry and accelerate sustainability and energy efficiency activities and developments. The investigation of not only building-scale but community-scale programs, integrated government and utility programs, codes and standards, technologies, integrated design processes, operation practices, financing sources, behavioral factors, and workforce development needs will require the integration and utilization of information technology to meet a variety of objectives for buildings industry stakeholders over the duration of a building's lifetime. The main challenge remains to develop, implement, and maintain systems that foster innovation for both legacy buildings and new construction. Come to the 2016 Summer Study with your ideas, experiences, and vision to move *From Components to Systems, From Buildings to Communities*.

The conference promotes interaction among participants through a balance of structured and unstructured sessions. Refereed papers are presented in the mornings, informal and display sessions in the afternoons, and plenary sessions in the evenings.