



2015 ACEEE SUMMER STUDY ON ENERGY EFFICIENCY IN INDUSTRY

Energy Efficiency: Integrating Technology, Policy, and People

Production of goods and materials is energy intensive but of all sectors of the economy, industries are the best equipped to manage and improve how they use energy. Given the right combination of cost-effective technologies, supportive policies and people in plants with the knowledge and time to drive change, some industries are successfully reducing energy use by 20-50% or more. The barriers to industrial efficiency are few, and there is an immediate opportunity to bring these current technologies, policies, and practices to scale in the market in order to harvest the potential of industrial energy efficiency as a least cost energy resource. Looking forward, emerging technologies and creative programs will support smart manufacturing, providing the information backbone for strategic energy management and other corporate sustainability efforts. Sharing information on what is working now and what we are learning as it emerges, is the vehicle to get us to and take us beyond best practices.

The ACEEE 11th biennial Summer Study on Energy Efficiency in Industry will bring stakeholders together to advance leadership in energy productivity. Participants from around the world will gather for three days to discuss technical, policy, management, and program issues related to the theme, *Energy Efficiency: Integrating Technology, Policy and People*. Attendees will include energy leaders and decision makers from industry, equipment manufacturers, government program and policy staff, electric and gas utilities, energy consulting, industrial energy research, and universities and academia.

The 2015 ACEEE Summer Study on Energy Efficiency in Industry will focus on the roles critical to moving forward in these uncertain times. The panels are organized to focus on: innovative energy technology systems and methods; emerging energy market impacts and opportunities; technology development; planning for the next generation; global competitiveness; and state, utilities, and national programs. Come to Summer Study to learn from, and network with, energy experts from private industry, academia, government, consulting firms, and nonprofits.

PANEL 1

Strategic Energy Management and Industry

Panel Leaders: Chad Gilles, *EnerNOC* and Kevin Wallace, *BC Hydro*

Strategic Energy Management (SEM) is a hot This panel will address the entire SEM continuum, from the initial research, product definition, and EM&V considerations needed by regulators and DSM planners to begin SEM programs through the new program enhancements, designs or delivery mechanisms that are pushing SEM's boundaries and expanding savings, persistence, customer satisfaction, and other important benefits.

PANEL 2

Sustainability

Panel Leaders: Barry Liner, *Water Environment Federation* and Suresh Santanam, *Syracuse University IAC*

This panel will discuss the application of sustainability concepts and methods for industrial and manufacturing processes; deployment and use of alternative energy sources; associated impacts on water use and natural resource optimization (including resource recovery); and case studies on implementation of sustainability pathways.

PANEL 3

Smart Manufacturing

Panel Leaders: Paul Hamilton, *Schneider Electric* and Kay Cabaniss, *Baldor Electric Company*

Smart Manufacturing looks at manufacturing in a different way. Advanced process manufacturing technology (Smart) incorporates information, technology, and innovation. The goal is to bring about a transformation in the approach to how products are envisioned, designed, manufactured, shipped, and sold. This panel will incorporate case studies, possible future approaches and relate it to productivity (both real and projected), energy efficiency, the environment, and other benefits.

PANEL 4

Beyond Best Practices

Panel Leaders: Amelie Goldberg, *Institute for Industrial Productivity* and John Malinowski, *Baldor Electric Company*

Energy Efficiency has been around for many years. Easy drop-in upgrades and quick fixes have been widely adopted. With a large energy efficiency potential still untapped, how can we get deeper and more persistent savings, or decarbonize a production line entirely? This panel looks at innovative real-life case studies that inspire, with possible application to other enterprises and production sectors. These solutions might involve an emerging technology, engaging a value chain, redesigning a product for a circular economy, broadening corporate decision-making metrics, or shaping corporate culture to prioritize energy efficiency.

PANEL 5

Policy & Resource Planning

Panel Leaders: Raymond Monroe, *Steel Founders' Society of America* and Richard Murphy, *American Gas Association*

Policy to encourage energy efficiency in the replacement or investment in long lived assets is subject to these longer term macroeconomic and market segment conditions. Even encouraging investment in less critical short lived investments in a plant often has lower priority than reduction in labor or market growth. The interaction of policy and corporate resource planning is key to success. This panel will document the successes, lessons learned, and innovative approaches of these interactions.

PANEL 6

Delivering Results

Panel Leaders: Jennifer Eskil, *Bonneville Power Administration* and Peter Goldman, *Enbridge Gas Distributors*

Whether managing a plant's energy use or a program's goals and budget, everyone is under pressure to deliver the same thing: cost-effective energy savings from industry, and more of it. This panel will focus on what is working now, providing details on the implementation of industrial efficiency programs or projects that deliver measurable results to utilities, ratepayers, regulators and end use customers.

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Preliminary Program at a Glance

The following preliminary schedule shows the activities that will be highlighted. Over 100 papers will be formally presented.

TIME	TUESDAY, AUGUST 4	TIME	WEDNESDAY, AUGUST 5	THURSDAY, AUGUST 6
3:00pm - 8:00pm	Registration	8:30am - 10:00am	Panels 1 - 6	Panels 1 - 6
		10am - 10:30am	BREAK	BREAK
		10:30am - 12:00pm	Panels 1 - 6	Panels 1 - 6
		12:00pm - 1:00pm	LUNCH	LUNCH
		1:30pm - 3:00pm	Panels 1 - 6	Panels 1 - 6
		3:00pm - 3:30pm	BREAK	BREAK
		3:30pm - 5:00pm	Scheduled Informal Sessions	Unscheduled Informal Sessions
5:00pm - 7:00pm	Welcome / Networking Café	6:00pm - 7:00pm	Keynote / Awards	Summer Study Ends
7:00pm - 8:00pm	DINNER	7:00pm - 8:00pm	DINNER	

The schedule for sessions will be regularly updated on ACEEE's website: <http://aceee.org/conferences/2015/ssi>

Refereed Paper Presentations

Refereed Paper Presentations will be given both in the mornings and afternoons this year. The presentations relate to integrating technology, policy, and people.

Informal Sessions

Participant-organized sessions will be held in the afternoons. These informal sessions will allow further discussion of the presentations and other topics of importance to participants. Session topics may be posted on ACEEE's website – <http://www.aceee.org/conferences/2015/ssi/informal> or at the Summer Study. Meeting rooms will be assigned on site. The list of informal sessions will be updated and distributed daily to attendees. A/V equipment is not guaranteed in the meeting room.

New for 2015!

Help us kick-off the Summer Study by participating in the "Networking Cafe," sponsored by the Northwest Industrial SEM Collaborative, on Tuesday evening. During the Cafe, everyone will have an opportunity to network and share their thoughts about the emerging issues with industrial energy efficiency. The ideas will be consolidated and shared with attendees as a platform for future discussion.

PROGRAM COMMITTEE

Kim Crossman, *Energy Trust of Oregon*
Bill Hoyt, *National Electrical Manufacturers Association*
R. Neal Elliott, Rebecca Lunetta, Glee Murray, Steve Nadel, Lynn Pyle, Ethan Rogers, *American Council for an Energy-Efficient Economy*

2015 FUNDERS

HOST SPONSOR: New York State Energy Research and Development Authority (NYSERDA)

PLATINUM: US Department of Energy

GOLD: DNV GL, National Grid, Pacific Gas & Electric Company

SILVER: CLEARResult, Energy Trust of Oregon, Leidos

BRONZE: 3M

2015 ACEEE Summer Study On Energy Efficiency In Industry

REGISTRATION FORM

Mr. Ms. Mrs.

NAME (please print legibly)		
TITLE		
COMPANY		
ADDRESS		
CITY	STATE	ZIP
COUNTRY		
WORK PHONE	CELL PHONE	
E-MAIL		

Are you presenting a paper? Yes No
 This is my first time attending the Industry Summer Study Yes No
 Do you want vegetarian meals? Yes No

Please mail this form with payment to:

ACEEE Conferences Office
 P.O. Box 7588
 Newark, DE 19714-7588
 E-mail: aceeeconf@aceee.org

Or, register online at
<http://aceee.org/conferences/2015/ssi/registration>

Accommodations

The Summer Study will be held at the Hyatt Regency Buffalo, New York. To make reservations, either go to: <https://resweb.passkey.com/go/ACEEE2015> or call 1-888-421-1442 to lock in the reduced group rate of \$139 single/double occupancy. Remember to mention the American Council for an Energy-Efficient Economy (ACEEE) for this rate. The cut-off date for the discounted rate is Thursday, July 2, 2015.

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/major supporters who may contact you regarding events they are hosting in conjunction with our conference. If you prefer not be included in advanced listings, please check the box below.

I opt OUT OF ADVANCED distribution of my name and affiliation.

Registration Options

<input type="radio"/> Early Bird/Speaker Fee (until June 4, 2015)	\$900	\$
<input type="radio"/> Regular Fee (June 5 - July 2, 2015)	\$1000	\$
<input type="radio"/> Late Fee (after July 2, 2015)	\$1100	\$
<input type="radio"/> One-Day Fee Please select day: <input type="radio"/> Tues., Aug. 4 <input type="radio"/> Wed., Aug. 5 <input type="radio"/> Thurs., Aug. 6	\$630	\$
<input type="radio"/> Student Fee (must submit transcript showing current enrollment in at least 12 credit hours and a copy of student ID)	\$500	\$
<input type="radio"/> Wire Transfer Fee (if applicable)	\$35	\$
TOTAL AMOUNT ENCLOSED (Please note that all fees are due with this form.)		\$

NOTE: ALL SPEAKERS MUST REGISTER AND PAY THE REGISTRATION FEE

PAYMENT OF REGISTRATION FEE MUST ACCOMPANY THIS FORM

- I am enclosing a check with this form (please make payable to: 2015 ACEEE Summer Study).
 - I am charging this to my VISA, AMEX, or MASTERCARD account (please fill in account information below).
- I understand that my fees will include a late fee if I register after July 2, 2015, and/or a \$150 cancellation fee if I cancel my registration (refund requests must be submitted by July 6, 2015).

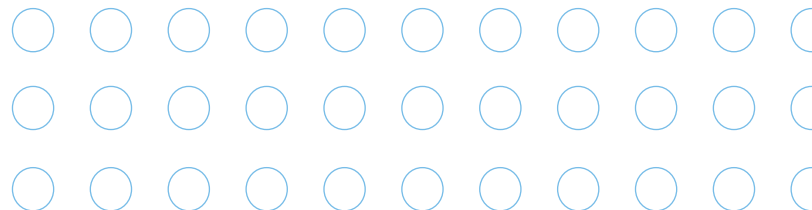
Cardholder's Name	
Cardholder's Signature	
Account	Exp. Date

All registration payments must be received by check-in at the conference. Any payments submitted after the conference will be subject to an additional \$100 late fee.

Cancellation and Refund Policy

Registration refund requests due to cancellation must be submitted in writing and received by July 6, 2015. A \$150 processing fee will be charged for all cancellations. Refunds will be paid by check or credit card chargeback (no cash refunds).

For further details or questions, please contact the conferences office at: aceeeconf@aceee.org. Full Summer Study registration information can be obtained from the ACEEE website <http://aceee.org/conferences/2015/ssi/registration>





American Council for an Energy-Efficient Economy

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American Council for an Energy-Efficient Economy

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Energy Efficiency: Integrating Technology, Policy, and People

August 4-6, 2015
Hyatt Regency Buffalo
Buffalo, New York

Who Should Attend

Individuals interested in promoting industrial energy efficiency technologies, programs, and policies are encouraged to attend. Representatives from industry at the plant and corporate levels, national laboratories, utilities, consultants, engineers, federal, state, and local agencies will find the presentations and opportunities for informal meetings valuable.

The Summer Study will be conducted in a casual atmosphere conducive to developing working relationships.

Deadline for Regular Registration July 2, 2015

