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THIS MONTH AT ASHRAE

DDC Seminars and Resource Promotion

Date:

Tuesday,
November 12th

Morning Session:

8:00AM-1:00PM: Advanced VAV
Control Sequences (includes lunch) –
Sponsored by Iowa Energy Center

Cost: \$90 (50% discount for ASHRAE
Iowa members)

Registration: Closed

Afternoon Session:

1:00-5:00PM: Optimizing Chilled
Water Plant Controls – Sponsored by
ASHRAE Iowa

Cost: \$90 (50% discount for ASHRAE
Iowa members)

Registration: [click here](#)

Chapter Meeting:

5:00-6:00PM: Social Hour
– sponsored by Mechanical Sales,
Inc.

6:00-7:00PM: Dinner/Chapter
Meeting

7:00PM: Tour of Iowa Events Center

Sessions/Meeting/Dinner:

Iowa Events Center
Hy-Vee Hall, Rm 101
730 Third Street
Des Moines, IA
[click for map](#)

Tour:

Tour of Iowa Events Center
mechanical systems including: ice
chiller plant, boiler plant, building
control system, and misc. systems

Dinner Cost:

Free to ASHRAE Iowa Chapter
members
\$20 for Guests

RSVP:

Registration for dinner is now closed



Come join us in downtown Des Moines at the Iowa Events Center – Hy-Vee Hall on Tuesday, November 12th for a full day of activities.

Steven Taylor, P.E., F ASHRAE, will be presenting two seminars during the day: Advanced VAV Control Sequences in the morning and Optimizing Chilled Water Plants in the afternoon.

In the evening we'll conduct our monthly chapter meeting and then take a tour of the Iowa Events Center mechanical systems. Don't miss out!

PAST PRESIDENTS

Matt Jesson	2012-2013
Kelly Crow	2011-2012
Holly Elbert	2010-2011
Roger Leshner	2009-2010
Kit Cartwright	2008-2009
Jerrod Sieverding	2007-2008
Jason Kems	2006-2007
Chuck Heldenbrand	2005-2006
Jeff Gross	2004-2005
Ron Engelhardt	2003-2004
Dan Zaug	2002-2003
Susan Oltrogge	2001-2002
Christopher Nelson	2000-2001
Donald Swanson	1999-2000
Edward Truslow	1998-1999
James Hall	1997-1998
Robbin Vannoy	1996-1997
Mark Conway	1995-1996
Paul Melton	1994-1995
Gregory Maxwell	1993-1994
Jeffery Hammer	1992-1993
Jack Culp	1991-1992
James Lee	1990-1991
Clint Leonard	1989-1990
Charles Pedersen	1988-1989
Gary Reynolds	1987-1988
Dennis Hogan	1986-1987
Eugene Zefron	1985-1986
Donald Hagge	1984-1985
Robert Rist	1983-1984
Joseph Proctor	1982-1983
Mark Allen	1981-1982
Curtis Klaassen	1980-1981
Gerald Anderson	1979-1980
C.W. Miller	1978-1979
Richard South	1977-1978
Verne Stewart	1976-1977
Curtis Hammer	1975-1976
Ralph Schilling	1974-1975
Donald Bonicamp	1973-1974
Kent Mosher	1972-1973
Thomas Van Hon	1971-1972
Robert McBride	1970-1971
William Whitman	1969-1970
Einar Dahl	1968-1969
Eugene O'Neil	1967-1968
James Green	1966-1967
Neil Hanson	1965-1966
Bob Flanagan	1964-1965
Lyndon Kelley	1963-1964
Elwood Giberson	1962-1963
Vern Polly	1961-1962
John Bain	1960-1961
Crom Campbell	1959-1960
R.T. Howard	1958-1959
W.A. Schworm	1957-1958
D.E. Schroeder	1956-1957
G.J. Kraai	1955-1956
W.E. Nanes	1954-1955
J.F. Sandfort	1953-1954
R.H. Schnell	1952-1953
C.H. McGuinness	1951-1952
R.S. Stover	1950-1951
D.E. Wells	1949-1950
D.C. Murphy	1948-1949
C.A. Wheeler	1947-1948
E.O. Olson	1946-1947
B.E. Landes	1945-1946
W.W. Stuart	1944-1945
C.W. Helstrom	1943-1944
P.E. Triggs	1942-1943
Perry LaRue	1941-1942
R.A. Norman	1940-1941
Tracy Johnson	1939-1940
W.R. White	1938-1939

President's Corner



The leaves are falling and winter is approaching quickly. This means less time outside enjoying the weather and more time indoors thinking of ASHRAE!

I hope you had the opportunity to attend the October meeting in Ames, IA. It was a great time with a focus on student membership. The event started with a round table discussion at Olde Main with several Iowa State University engineering students in attendance. The panel of industry professionals consisted of most areas represented by ASHRAE – consulting, research, sales, contracting, controls, and testing/balancing. The round table discussion was followed by a dinner, scholarship awards presentation, and tour. Special thanks to the Student Activities committee for increasing scholarship application responses. They presented to engineering classes and attended career fairs to spread the word that we were offering three \$1,000 awards. We received 17 applicants this year compared to

only 3 last year which is beyond impressive. The next event will take place on Tuesday, November 12 at the Iowa Events Center and is held in conjunction with the Iowa Energy Center. Our focus for this year's programs is to provide many different avenues for professional engineers to obtain affordable professional development hours (PDHs). In addition, we want to reach out to other professional organizations to hold joint meetings and share resources to gain better attendance. The day-long session presented by Steve Taylor offers up to 8 PDHs. The total cost works out to be \$90 for ASHRAE members and \$180 for non-members. This is a small drop in the bucket when compared to the cost of attending most other technical sessions offering PDHs. Lastly, mark Monday, December 16th on your calendars for the joint meeting with SMCI and CSI. As in recent years, it will be a lunch meeting at the Holiday Inn Mercy Campus. Eli Howard from SMACNA will talk about IAQ regarding ductwork protection and sealing during construction. Stay tuned for the remaining programs in future newsletters. Hope to see you all at the upcoming Iowa Chapter events!

Tim Conrad
Iowa Chapter President
2013-2014

UPCOMING CHAPTER MEETINGS

November 12th
Morning and afternoon technical sessions on DDC controls

Location:
Iowa Events Center
Des Moines, IA

December 16th
Topic:
Past Presidents / History (joint w/ CSI and SMCI)

Location:
Downtown Holiday Inn
Des Moines, IA

ASHRAE Iowa October Meeting



At the October meeting we were able to present a total of four scholarships to well-qualified recipients. Congratulations to Beth Lynch for winning a \$3000 National ASHRAE scholarship and congratulations to the following students for each winning a \$1000 scholarship from the ASHRAE Iowa chapter: Jace Christensen, Andrew Gall, and Brandon Schnier.

We had a total of 17 scholarship applications this year thanks to hard work by the Student Activities Committee co-chairs, Holly Elbert and Mike Wolfe.

A number of attendee's also made the trip on campus for a very informative tour of the new ISU Agricultural and Biosystems Engineering Phase 2 building which is scheduled to be complete new summer.

Visit the following link to see more pictures from October's meeting: [October Meeting Pics](#)

December Meeting



Past Presidents / History joint lunch meeting with CSI and SMCI

Schedule:

11:15AM: Registration

11:30AM: Buffet

12:15PM: ASHRAE and/or CSI business

12:25PM: Presentation by SMACNA's Director of Technical Resources, Eli Howard, on IAQ during construction – protection and sealing.

Location:

Holiday Inn – Downtown, top floor

Meet Your BOG Officers



Back Row (Left to Right)

Chris Deal, Refrigeration

Dan Ponxs, BOG

Jason Kems, e-Committee

Luke Miller, RP

David Poetting, GGAC

Vince Sanders, RP

Justin Barrett, President-Elect

Front Row (Left to Right)

Dan Zaug, BOG

Tim Conrad, President

Kelly Crow, Honors/Awards

Matt Gumm, Treasurer

Matt Jesson, Historian

Britt Vincent, CTTC

Xiaohui (Joe) Zhou

Patrick Peterson, BOG

ASHRAE Technology Award (TEGA)

The ASHRAE Iowa chapter would like to congratulate Scott Bowman of KJWW Engineering for being selected as a Second Place winner of an ASHRAE Technology Award in the Commercial Buildings – New Category for his submission of the Iowa Utilities Board/Office of Consumer Advocate Office Building project in Des Moines.

The ASHRAE Technology Awards program recognizes outstanding achievement in the design and operation of energy-efficient buildings. The project will be featured in the March 2014 issue of the *ASHRAE Journal*.

IECC-2012 or ASHRAE 90.1-2010; Which is Right for Your Project?

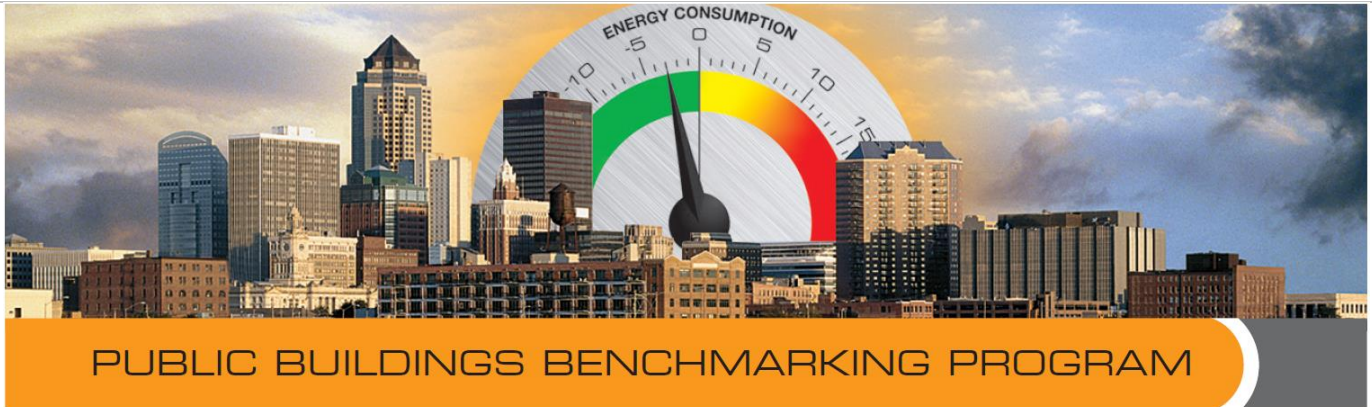
On October 24th, the Iowa Energy Center sponsored a free webinar titled “IECC-2012 or ASHRAE 90.1-2010; Which is Right for Your Project?” by Jeff Boldt, PE, LEED AP, HBDP, Director of Engineering at KJWW.

The recorded session is now available at:

<https://connect.extension.iastate.edu/p2cpvf1k1a/>

The presentation can be downloaded here: [Download Presentation](#)

Iowa Public Buildings Benchmarking Program



help public buildings save energy and money

Buildings consume approximately 40 percent of total energy use in the U.S. Energy efficiency is an easy way to save dollars, but how does one decide where to make those efficiency improvements? Through strategic planning, building managers can use public funds more effectively to make buildings more energy efficient.

Benchmarking is a tool to identify potential energy savings by comparing the current buildings' energy use to an energy code compliant building. This valuable tool increases awareness and helps building managers obtain information about the status and trend of Iowa's building energy use compared to their building(s). By making energy performance measureable and visible, organizations can take actions to improve the efficiency of buildings by identifying where the buildings' weaknesses lie and allocating dollars to those projects.

Benchmarking is the first step in a three-step process to use energy efficiency to save money for public buildings.



TRACK
ENERGY USAGE



REVIEW
DATA



IMPLEMENT
PROJECTS FOR SAVINGS

take the first step

Participation in the Iowa Public Building Benchmarking Program for qualified public facilities is available at no cost for up to 800 selected buildings. Assistance for data entry and management is provided through the Iowa Energy Center, freeing up time and money to focus on achieving and measuring results. If managers need assistance in identifying ways to make facility improvements based on the results seen, the Iowa Building Benchmarking Partnership can help gain easy access to local energy assistance programs offered.

**Enrollment period for public buildings
will end December 1, 2013**

To participate, please visit:
<https://ia.b3benchmarking.com>

For more information contact:

Jeff Beneke

jeff.beneke@uni.edu | 319.273.3850

Iowa Building Benchmarking Partnership

The Partnership is a collaboration between the Iowa Economic Development Authority, the Iowa Energy Center, Center for Energy & Environmental Education and The Weidt Group. Together, this expertise helps Iowa public building managers track energy usage, review potential savings and implement projects that will result in significant savings in a short payback period.



ASHRAE's Attic & Antiques



Have you ever encountered pieces of HVAC history while working on remodel projects? Are you fascinated by the origins of modern HVAC equipment? If so, help us to launch our new section, ASHRAE's Attic & Antiques. We're trying to populate our newsletter and website with fascinating old photos and historical anecdotes, preferably with a local bent. Send your photos and stories to Matt Jesson at mattj@hvactab.com

The HVAC&R Industry

Energy Efficiency Is World's Most Important 'Fuel'

PARIS—Energy efficiency is the world's most important "fuel," according to a new report from the International Energy Agency (IEA). Investments in energy efficiency provide such large savings that the energy saved completely surpasses the energy generated by most forms of generation. "The scale of recent investment in energy efficiency worldwide makes it as significant in its contribution to energy demand as investment in renewable energy or fossil fuel generation," states the *Energy Efficiency Market Report*. IEA calculates that between 2005 and 2010, that energy-efficiency measures in 11 of IEA's member countries, including the United States, saved the energy equivalent of \$420 billion worth of oil. IEA said that were it not for the implemented energy-efficiency measures, consumers would be using and paying for two-thirds more energy than is the case.

[Read more](#)

'Reverse Microwave' Chills Beverages in Seconds

LONDON—A UK company has developed what it calls "a low-energy, rapid cooling device for prepacked beverages for commercial use and a user-friendly fast-chill, on-demand product for the domestic market." The V-Text "reverse microwave" uses a "start-stop rotational sequence" to create a Rankine vortex, which essentially keeps a drink in its original state while quickly bringing down the temperature. The manufacturer, Enviro-Cool, says the device requires nearly 80% less energy than standard drink chillers. It also frees up standard refrigerator space, since most beverages can be stored at room temperature elsewhere until right before serving. Consumer trials are scheduled to start this week at a supermarket in the Netherlands. The company has not given specific release dates for the commercial and domestic versions of V-Text.

[Read more](#)

2013-2014 Meeting Dates

MONTH	GENERAL MEETING	
	Topic	Date
July	-	-
August	-	-
September	Fall Frolic Golf Outing – Legacy Golf Club	5
October	Student Night / Membership Promotion	16
November	Research Promotion	12
December	Past Presidents / History (joint w/ CSI and SMCI)	16 (Lunch)
January	Membership Promotion	TBD
February	Resource Promotion	TBD
March	Refrigeration	TBD
April	ASHRAE Webcast	17
May	Spring Fling Golf Outing	TBD

Winter Meeting	2014 Winter Conference – New York, NY	Jan 18-22
CRC	Region VI CRC – Iowa City, IA	May 1-3
Summer Meeting	2014 Annual Conference – Seattle, WA	Jun/Jul 28-2

November 2013 Research Promotion Update:

We are inching towards our goal of \$16,000. Thank you to everyone for your continued support! Through the month of November personal contributions donated to our RP Chapter will receive an ASHRAE RP Koozie. Think of it as a continual reminder of your loyal support through the course of the year. Please [donate](#) today, we have a limited inventory.



ASHRAE 2013-2014 Research Promotion Fund

ASHRAE Iowa Research Investors 2013-2014			
Individual Investors HR = Honor Roll participants \$100 min	10.0% OF GOAL	\$14,400.00 -TO GO!	Company Investors HR = Honor Roll participants \$150 min
Mr. Mark W Allen (HR)	\$14,000		A. J. Allen Mechanical Contractors Inc. (HR)
Mr. Justin J Barrett, PE (HR)	\$13,500		
Mr. Timothy J Conrad (HR)	\$13,000		
Mr. Mark G Conway (HR)	\$12,500		
Mr. Matt Gumm, PE (HR)	\$12,000		
Mr. Rodney Heston (HR)	\$11,500		
Mr. Jeff Lindell (HR)	\$11,000		
Mr. Fred Miller (HR)	\$10,500		
Mr. Luke Miller (HR)	\$10,000		
Mr. Andrew L. Pospisal (HR)	\$9,500		
Mr. Vince Sanders (HR)	\$9,000		
Mr. Daniel V Zaug (HR)	\$8,500		
Dr. Xiaohui (Joe) Zhou, PhD, PE (HR)	\$8,000		
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	\$7,000		
	\$6,500		
	\$6,000		
	\$5,500		
	\$5,000		
	\$4,500		
	\$4,000		
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Your contribution puts us closer to achieving our goal. Please send what you can today!

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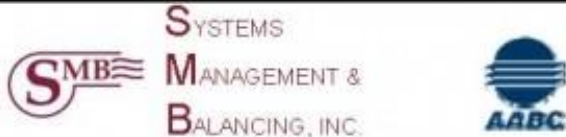
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Matt Jesson
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