THIS MONTH AT ASHRAE

Date: Wednesday, January 11th

Location: Gilroy’s
1238 8th Street
West Des Moines, IA 50265

Schedule: 5:00  Social
           6:00  Dinner
           6:30  Business Meeting and Program

Refrigerants Update – We will review the new HFO refrigerants that are coming out, refrigerants that are being phased out, and how codes and standards address all of them.

Cost: Free to ASHRAE Iowa Chapter Members
      $15 for Guests

Register online today!

Please register online if you are attending. Be sure to fill out the information on the first registration page, click on "Submit", review the information on the next page and then clicking on the "Confirmed" button. You must confirm your registration for it to be successful. You will also get an email confirming your registration.

We will be picking from one of four (4) meal options, so it is imperative that everyone attending pre-register and pick a meal.
Happy New Year, ASHRAE Members! I hope you had a wonderful and safe holiday season. After a mild December we’re getting off to a frigid start to January, brrrr!

Our upcoming January meeting is our annual Refrigeration Night on the evening of Wednesday, January 11th at Gilroy’s on 8th St. in West Des Moines. We are lucky enough to have Jay Eldridge of Daikin Applied speaking on the topic of Refrigerants Update and he will review the new HFO refrigerants that are coming out, refrigerants that are being phased out and how codes and standards address all of them.

For our February meeting, we’ll have ASHRAE Distinguished Lecturer Jim Coogan speaking on Space Pressurization: Concept and Practice. This will be a lunch meeting on Feb. 22 at Exile Brewery and Mr. Coogan’s presentation has been approved for 1 AIA Learning Unit (LU/HSW).

Also, the ASHRAE Technology Awards deadline is approaching early this spring. More details will be forthcoming, in the meanwhile contact our TEGA chair, Iyhab Hassan, if you’re interested.

Finally, a quick reminder that the ASHRAE Winter Conference is coming up Jan 28-Feb 1, 2017 in Las Vegas, NV. Information can be found on the conference website.

I look forward to seeing some familiar faces, as well as new ones, at these upcoming events!

Andrew Pospisal (email)
ASHRAE Iowa Chapter
President 2016-2017
PAST ASHRAE IOWA CHAPTER PRESIDENTS

Matt Gumm 2015-2016
Justin Barrett 2014-2015
Tim Conrad 2013-2014
Matt Jesson 2012-2013
Kelly Crow 2011-2012
Holly Elbert 2010-2011
Roger Lesher 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
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. McGuiness 1951-1952
R.S. Stover 1950-1951
D.E. Wells 1949-1950
D.C. Murphy 1948-1949
C.A. Wheele 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
ASHRAE/CSI/SMCI Joint Meeting
December 12th, 2016
Holiday Inn Downtown

Thank you to our past Iowa Chapter Presidents who attended the December meeting. **Front Row:** Chuck Heldenbrand (’05-’06), Holly Elbert (’10-’11), Andrew Pospisal (’16-’17), Kit Cartwright (’08-’09), Mark Allen (’81-’82), Matt Gumm (’15-’16), Tim Conrad (’13-’14) **Back Row:** Jason Kems (’06-’07), Chris Nelson (’00-’01), Susan Oltrogge (’01-’02), Justin Barrett (’14-’15), Matt Jesson (’12-’13), Dan Zaug (’02-’03), James Hall (’97-’98), Kelly Crow (’11-’12), Clint Leonard (’89-’90)

Matt Gumm received a pin from Andrew Pospisal for serving as the ’15-’16 Iowa Chapter President.

Holly Elbert received a Chapter Service Award certificate from Andrew Pospisal.
February Meeting

Date: Wednesday, February 22\textsuperscript{nd}

Location: Exile Brewing Company
1514 Walnut Street
Des Moines, IA 50309

Agenda: Lunch and Presentation

Topic: Space Pressurization: Concept and Practice

More details to come!

Future Meetings

<table>
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<th>Month</th>
<th>Date</th>
<th>Location</th>
<th>Topic</th>
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<td>September</td>
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<td>Echo Valley Country Club</td>
<td>Fall Frolic Golf Outing</td>
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<td>October</td>
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<td>MODUS Engineering</td>
<td>Membership &amp; RP Night</td>
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<td>November</td>
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<td>ISU Alumni Center</td>
<td>Student Night</td>
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<tr>
<td>December</td>
<td>12</td>
<td>Downtown Holiday Inn</td>
<td>SMCI &amp; CSI Joint Meeting</td>
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<tr>
<td>January</td>
<td>11</td>
<td>Gilroy’s</td>
<td>Refrigeration</td>
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<td>February</td>
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<td>Exile Brewing Company</td>
<td>Distinguished Lecturer</td>
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<td>March</td>
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<td>West Des Moines Marriott</td>
<td>Technical Session</td>
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<td>April</td>
<td>20</td>
<td>TBD</td>
<td>ASHRAE Webcast</td>
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<tr>
<td>May</td>
<td>TBD</td>
<td>TBD</td>
<td>Spring Fling Golf Outing</td>
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<th>Month</th>
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<tr>
<td>January</td>
<td>28-1</td>
<td>Las Vegas, NV</td>
<td>2017 Winter Conference</td>
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<tr>
<td>April</td>
<td>20-22</td>
<td>St. Louis, MO</td>
<td>Region VI CRC</td>
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<tr>
<td>June</td>
<td>24-28</td>
<td>Long Beach, CA</td>
<td>2017 Annual Conference</td>
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We are still seeking sponsors for our upcoming ASHRAE Region VI’s Chapters Regional Conference (CRC). The event runs May 3, 2018 thru May 5, 2018 at the Marriott in downtown Des Moines. Our volunteers have been diligently working for over a year now planning this event and securing venue details.

Yes, we are reaching out to you rather early, we are doing so to provide you the most out of your sponsorship. We have had some great response from local businesses and manufacturers. We are a fraction of the way towards our budget for ASHRAE CRC 2018. We strongly encourage you to become an event sponsor. The Grand Champion sponsorship level is still open. Don’t hesitate, this provides great advertisement for your firm with engineering firms, contractors, owners, and manufacturer’s representatives in the Iowa, Illinois, Minnesota, Wisconsin and Missouri marketplaces.

If your firm is considering a Grand Champion or Blue Ribbon sponsorship, sign up now. Donors that have responded and sent payment by January 31, 2017 will be publicized at 2017 ASHRAE Region VI’s CRC which is held in St. Louis, Missouri.

It takes a lot of financial support to host this conference. We greatly appreciate any level of support you can provide. If you wish to be a Grand Champion or Blue Ribbon sponsor, we ask that you fill out the following form and include payment by January 31, 2017 so we can provide promotional advertisements with your logo for the St. Louis CRC in April 2017.

Our company would like to pledge the following contribution level to help support the ASHRAE CRC 2018 Conference hosted in Des Moines:

<table>
<thead>
<tr>
<th>Mark One</th>
<th>Ribbon Level</th>
<th>Donation Amount</th>
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<tr>
<td></td>
<td>Grand Champion</td>
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<td>Blue Ribbon</td>
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<td>Red Ribbon</td>
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<td>Yellow Ribbon</td>
<td>$500</td>
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<tr>
<td></td>
<td>White Ribbon</td>
<td>$250</td>
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Total: $0

Please fill out the information below. We will use this information to coordinate the sponsorship benefits for your organization:

Company Name: 
Company Contact: 
Street Address: 
City: 
State: 
Zip: 
Phone: 
Email: 

Please remit payment to our sponsorship chair. Please send this invoice and check to:
c/o A. J. Allen Mechanical Contractors, Inc.
Attn: Luke Miller
320 SE 6th Street
Des Moines IA, 50309

Checks may be made payable to: ASHRAE Iowa CRC
ASHRAE CRC 2018 Sponsors

Grand Champion - $5,000
4 spots available. Your donation now provides advertisement until CRC 2018.

Blue Ribbon - $2,500

Blue Ribbon - $2,500

Red Ribbon - $1,000

Yellow Ribbon - $500

White Ribbon - $250
Industry News

2017 AHR Expo Largest in Show’s History
WESTPORT, Conn.—The nine football fields worth of exhibitor space at the 2017 AHR Expo in Las Vegas Jan. 30-Feb. 1 will make it the largest Show in the exposition’s history, surpassing Chicago in 2015, organizers said. “We are declaring the Show the largest ever,” Clay Stevens, Show Manager of the AHR Expo, said in an interview Tuesday. “It’s very exciting.” Stevens attributed the increased exhibitor space to renewed optimism in the industry. “Many exhibitors have taken larger booth spaces anticipating that a more robust economy coupled with an exciting Show location like Las Vegas will energize attendees. We’re expecting over 60,000 industry professionals.” That optimism, he said, was reflected in an annual economic survey of exhibitors conducted by IEC and ASHRAE Journal that was released Dec. 20.

DOE Issues New Final Rules for Several HVAC Equipment Categories
WASHINGTON, D.C.—The U.S. Department of Energy (DOE) closed out 2016 on Dec. 28 by unveiling new regulations covering a range of HVAC technologies. The final rules provide energy-efficiency standards for commercial boilers, portable air conditioners, swimming pool pumps, and walk-in coolers and freezers. Another, non-HVAC-specific, rule concerns uninterruptible power supplies. The rules would save consumers and businesses between $15 billion and $35 billion over the 30-year lifetime of the products, according to DOE. Most of the rules have a 45-day review period—until Feb. 11—before they can be made official via publication in the Federal Register. The swimming pool pump rule has a 110-day review period. This means their ultimate approval will be under the authority of the next presidential administration.

WASHINGTON, D.C.—In 2016, for the first time, more electricity-generating capacity from solar power is expected to have been installed in the U.S. than from natural gas and wind, according to the U.S. Department of Energy (DOE). Though the final data won’t be available until March, enough new solar power plants were expected to be built in 2016 to total 9.5 GW of solar power generating capacity. That is triple the new solar capacity built in 2015. The solar farms built in 2016 are expected to exceed the 8 GW of natural gas power generating capacity and the 6.8 GW of wind power added in 2016. No new coal-fired power plants were planned in 2016. “If 2016 planned additions pan out as operators initially expected for 2016,” said Tim Shear, an economist for the U.S. Energy Information Administration, “it would mark the first year that solar was the largest source of capacity.” U.S. solar power generation is believed to have grown by 44% in 2016 and is expected to grow more than 30% in 2017.

ASHRAE News

ASHRAE Publishes 2016 Versions of Refrigerant Standards
Thirty new refrigerants and refrigerant blends have been added to the recently published 2016 editions of ASHRAE’s major refrigerant-related standards. ANSI/ASHRAE 15, Safety Standard for Refrigeration Systems, and its sister standard, ANSI/ASHRAE 34, Designation and Safety Classification of Refrigerants, were published this week as a package. The 2016 edition of Standard 15 incorporates five addenda to the 2013 version. Among its changes are updated requirements for safety relief systems, updated design pressure requirements for systems using carbon dioxide, and modified overpressure protection for heat exchangers and pressure limiting devices for positive displacement compressors. The 2016 edition of Standard 34 incorporates 35 addenda to its 2013 version. Key changes include the addition of three new refrigerants and 27 new refrigerant blends.

ASHRAE Seeks Presenters for Business Performance Analysis Conference
ASHRAE has announced a call for presenters for the 2017 ASHRAE Building Performance Analysis Conference, formerly known as the ASHRAE Energy Modeling Conference. This year’s conference expands on the core subject of energy modeling to encompass non-energy building performance analysis and simulation for professionals responsible for such work. Topics include modeling for and during the design phase; modeling innovative or new technologies; data visualization; and future trends in modeling. Presentation proposals on these and other topics are due March 13, and decisions will be announced April 3. The 2017 ASHRAE Building Performance Analysis Conference will be held Sept. 27–29 in Atlanta.
Your contribution puts us closer to achieving our goal. Please send what you can today!

COMPLETE THE INFORMATION BELOW AND RETURN IT WITH YOUR INVESTMENT

Please accept my research investment in the amount of $________ CK#_________

NAME_____________________________________                             _ PHONE______                  ________
COMPANY____________________________                           __________FAX__________             _______
ADDRESS_____________________                                           ______________________________________
CITY______________________                          __  STATE  _____             _____  ZIP  _______                ____

PLEASE CHECK ONLY ONE: (  )  Personal Contribution      (  )  Company Contribution

Charge my gift to:   (  ) VISA   (  ) MC (  ) AE
Credit Card #:____________________________  Exp. Date:____________
Signature:_____________________________________________

ASHRAE is a 501(c)(3) organization. Contributions are deductible as allowed by law. A receipt will be sent to the address listed above.

Send to:
ASHRAE RESEARCH PROMOTION
C/O Dan Ponxs
P.O. Box 3686
Urbandale, IA 50323
PHONE: 515-964-0904
dponxs@woodmaninc.com

Thank you for your donation!
Sponsoring our monthly newsletter is a great way to advertise your business and support your Iowa ASHRAE Chapter. Renewing and new sponsors need to send in payment immediately for inclusion in next month’s newsletter. Please make checks payable to: ASHRAE Iowa. The cost is $125.

Send payment to:

Brian Steffens
ASHRAE Newsletter Sponsorship
P.O. Box 3686
Urbandale, IA 50323

David Poetting is collecting cards for the sponsors. If you’ve paid and don’t see your card here or would like to revise the card shown, send a card-sized PNG or JPEG file to: david.m.poetting@jci.com.