THIS MONTH AT ASHRAE
Research Promotion & IECC Code Update

Date: Monday, February 16th

Schedule:
11:15 am: Check In
11:30 am: Lunch
12:00 pm: Program

Social Hour: N/A

Presentation: Dave Ruffcorn – State Fire Marshal

Location: Vatterott College
7000 Fleur Drive
Des Moines, IA 50321

Chapter Meeting/Dinner Cost:
Lunch: Free for ASHRAE IA Members and $20 for non-members

RSVP “Click Here” to register for the Lunch
**Use Coupon Code MEMBER**

Our February meeting will be a lunch meeting with a presentation by Dave Ruffcorn. Dave will be providing us with an IECC Code Update. Dave Ruffcorn works for a Division of the State Fire Marshal to help aid the enforcement of the State Energy Code. He was hired by the state to become the first State Energy Engineer.

Dan Ponxs and Vince Sanders will also be providing us with a Research Promotion Update. If you have not donated to this year’s campaign you can do so here.
PAST PRESIDENTS

Tim Conrad ..................... 2013-2014
Matt Jesson .................... 2012-2013
Kelly Croll .......................... 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 Olmoffge .................. 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 Haggie ..................... 1984-1985
Robert Rist .............. 1983-1984
Joseph Proctor ................... 1982-1983
Mark Allen ........................... 1981-1982
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 Boncicamp ............... 1973-1974
Kent Matish ....................... 1972-1973
Thomas Van Hon .......................... 1971-1972
Einar Dahl .......................... 1968-1969
James Green ....................... 1966-1967
Neil Hanson .......................... 1965-1966
Bob Fananaro ....................... 1964-1965
Lyndon Kefley ...................... 1963-1964
Elwood Giberson ................... 1962-1963
Vern Polly ........................... 1961-1962
John Bain ........................... 1960-1961
Carm Campbell ..................... 1959-1960
R.T. Howard ......................... 1958-1959
W.A. Schwarm ...................... 1957-1958
D.E. Schroeder ..................... 1956-1957
G.J. Kraal ........................... 1955-1956
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

Hello Members! We, once again, have some great opportunities for technical education coming up in the next few months. Our Board of Governors has more great content in the works for our members. We would like our local ASHRAE chapter to continue on as the “go-to” source for PDH’s for mechanical engineers in Central Iowa. On Monday, 2/16/15, Dave Ruffcorn is giving a lunch seminar on IECC and the State of Iowa Energy Code. Dave works in the State Fire Marshall office to help aid enforcement of the State of Iowa Energy Code. This meeting will take place at Vatterott College in Des Moines. On Wednesday, 3/18/15, we have 2(!) ASHRAE Distinguished Lecturers visiting Des Moines. On Wednesday, 3/18/15, we have an afternoon technical session with Ron Jarnagin on the Advanced Energy Design Guides. We will then have Ron Vallort for our evening dinner session to give a refrigeration technical discussion. Keep an eye out for registration info via email and www.ashraeiowa.org.

Looking back at the previous month, we had a great turnout for our January meeting at Shive-Hattery’s new office. Craig Bernstein with the EPA presented on the Energy Star program for buildings. He, along with representatives from Des Moines Public Schools, discussed the program and DMPS winning “Energy Star Partner of the Year.” Thank you to Shive-Hattery for letting us utilize their impressive, new facility.

One last important reminder: as we begin work on the 2015 membership and product directory, please make sure you keep your contact info up to date on the society website. This is especially important if you have recently changed employment. All of the chapter-level information is pulled from the society website, so make sure you keep your profile up to date on www.ASHRAE.org. If you have any questions on this, please contact anyone on the BOG.

Coming up in March, we have 2(!) ASHRAE Distinguished Lecturers visiting Des Moines. On Wednesday, 3/18/15, we have an afternoon technical session with Ron Jarnagin on the Advanced Energy Design Guides. We will then have Ron Vallort for our evening dinner session to give a refrigeration technical discussion. Keep an eye out for registration info via email and www.ashraeiowa.org.

UPCOMING CHAPTER MEETINGS

February 16th
Resource Promotion Lunch Meeting
International Mechanical Code Update
Location: Vatterott College

March 18th (Note Date Changed)
Refrigeration

6-7 Presentation by Ron Vallort
Location: Ramada Tropics

April 23rd
ASHRAE Webcast
12:00 to 3:00 CDT

April 27th
Spring Fling
Wakonda Club
Our February meeting will be a lunch meeting with a presentation by Dave Ruffcorn. Dave will be providing us with an IECC Code Update. Dave Ruffcorn works for a Division of the State Fire Marshal to help aid the enforcement of the State Energy Code. He was hired by the state to become the first State Energy Engineer.
March Meeting (Wednesday the 18th)

Refrigeration

Schedule (times still to be finalized):
3:00-5:00: Tech Session by Ron Jarnagain
5:00-5:30: Social Hour
5:30-6:30: Dinner
6:00-7:00: Presentation by Ron Vallort

Location:
Ramada Tropics Resort Conference Center
5000 Merle Hay Road
Des Moines, IA 50322

Cost:
$20 for Members
$30 for Non-Members

We have the honor to host two ASHRAE Distinguished Lecturer’s this month!

Ron Jarnagain will be provide us with an afternoon technical session. Ron has a vast background in the HVAC and Mechanical Engineering field. Ron has chaired the ASHRAE Standard 90.1 committee for 4 years as well as a multidisciplinary team that produced the first Advanced Energy Design Guide (AEDG) for small offices. Ron Jarnagain has also served as part of a U.S. delegation to China to assist the Chinese Ministry of Science and Technology in planning for a Hydrogen Economy in China.

Ron Jarnagain’s afternoon technical session will touch base on Advanced Energy Design Guide (AEDG). The AEDG series of documents provide guidance for achieving 30% and 50% energy savings in smaller commercial buildings.

Ron Vallort will be providing us with a dinner presentation. Mr. Vallort will be highlighting our refrigeration topic. Ron has more than 45 years of worldwide experience in the mechanical engineering field. He has served on chairs for ASHRAE, IIAR, IACSC, IIR and is a member of IARW. Ron’s credentials should provide us with a highly educational evening discussing Refrigeration System Design.

We are honored to host Ron Vallort and Ron Jarnagain as our speakers March 18th. Please mark the date on your calendars.

Speaker Bios:
Ron Jarnagain
Ron Vallort
Our YEA (Young Engineer’s Association) Committee planned and hosted a great evening for the young professionals in our industry. It was hosted at Up/Down in the East Village. As you can see the event sparked some friendly competition.

The turnout was very encouraging. Hopefully events like the YEA meeting encourage chapter growth and involvement.
2014 was a busy year for ASHRAE’s federal government affairs office. The Society used its technical expertise to help policymakers at all levels of government craft better legislation and regulations. They have played key roles on many bills that were considered, passed, and in some cases, signed into law. Looking forward, ASHRAE is well-positioned to build on last year’s accomplishments.

Below is a condensed summary of what the government affairs office accomplished at the federal level in 2014. To read the full article or view all government affairs updates, please visit their website at https://www.ashrae.org/government-affairs/government-affairs-updates.

- Submitted comments on the following rulemakings:
  - U.S. Department of Energy (DOE):
    - AHRI Petition for Repeal of Final Rule for Test Procedures for Residential and Commercial Water Heaters
    - Energy Conservation Standards for Small, Large, and Very Large Air-Cooled Commercial Package Air Conditioning and Heating Equipment
    - Request for Information on Planning for the 2017 Solar Decathlon and Beyond
  - U.S. Environmental Protection Agency (EPA):
    - Proposed Rule for Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Generating Units
  - U.S. Department of Housing and Urban Development (HUD):
    - Updating Energy Efficiency Standard for Multifamily Homes to 90.1-2007
- Helped draft and organize NGO and Capitol Hill support for passage of the following bills:
  - Energy Efficiency Improvement Act (H.R.2126)
    - Passed by the House by a vote of 375 to 36.
    - Considered, and nearly passed by the Senate.
  - Streamlining Energy Efficiency for Schools Act (H.R.4092)
    - Passed the House by unanimous consent.
  - Energy Savings and Industrial Competitiveness Act (S.2074, S.2272)
    - Considered and nearly passed in the Senate, twice.
  - National Defense Authorization Act (NDAA) for Fiscal Year 2015 (H.R.3979)
    - Signed into law by President Obama.
- Supported the following bills during the drafting phase and/or following introduction:
  - Workforce Innovation and Opportunity Act (H.R.803)
    - Signed into law by President Obama.
  - Energy Savings Through Public-Private Partnerships Act (H.R.2689, S.1308)
    - Passed by the House Energy and Commerce Committee.
  - Energy Efficient Government Technology Act (H.R.540, S.1261)
    - Incorporated into the Energy Efficiency Improvement Act (H.R.2126), which passed the House by a vote of 375 to 36.
  - A Bill To Encourage benchmarking and disclosure of energy information for commercial buildings (H.R.3820)
    - Incorporated into the Energy Efficiency Improvement Act (H.R.2126), which passed the House by a vote of 375 to 36.
The Product Directory for 2015 is in the early stages of development! Your information for this directory is taken directly from the information that ASHRAE Society has on file as part of your membership. That means it’s important that this info is up to date!

Please go to https://ashrae.org/home and click the Login button:

Choose “Need a login?” if you don’t have an account, or login with your email/password, then choose “My Account” and verify your information.

Please try to update your information by March 4, 2015.
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 Tim Conrad at tconrad@mechsales.com
**The HVAC&R Industry**

**2014 Warmest Year on Record**
Geneva—2014 was the Earth’s warmest year on record. The World Meteorological Organization (WMO) this week agreed with NASA, NOAA and the Japanese Meteorological Agency, all of which made similar announcements recently. The WMO, a United Nations agency, reported the average global air temperature in 2014 was 1.03°F (0.57°C) above the long-term average of 57.2°F (14°C). That means 2014 was slightly warmer than 2010 and 2005, the previous warmest two years. WMO Secretary-General Michel Jarraud said in a statement that “Fourteen of the 15 hottest years have all been this century.”

**2016 Federal Budget Proposal Includes $48 Billion for Energy-Efficiency Programs**
Washington, D.C.—President Barack Obama’s budget proposal for 2016 asks Congress for $4 trillion, including about $48 billion in tax incentives over the next decade for various green energy programs. “In order to secure America’s energy future and protect our children from the impacts of climate change, the budget invests in clean energy, improving energy security, and enhancing preparedness and resilience to climate change,” according to a White House fact sheet on the 2016 budget proposal. The proposal includes provisions to incentivize green energy production, expand use of energy-efficiency measures, and increase investments in carbon capture technology.

**U.S. Government’s Energy Use Declining**
Washington, D.C.—The U.S. federal government, with thousands of facilities and vehicles in locations across the United States and abroad, is one of the largest energy consumers in the world, but its consumption is declining. According to the U.S. Department of Energy’s Federal Energy Management Program (FEMP), total delivered-to-site energy use by the federal government fell to 0.96 quadrillion Btu in fiscal year (FY) 2013, the lowest recorded since 1975. These years are the most recent and the earliest, respectively, for which data are available. In FY 2013, vehicles and equipment energy use accounted for 62% of all federal energy consumed, with the remainder consumed by federal facilities. Energy consumed in federal government facilities has generally been declining over the past four decades. The reduction stems from both the total square footage occupied by the federal government, which continues to fall from its peak in FY 1987, and from the energy consumed per square foot inside federal buildings, which has been declining since FY 1975.
Dear ASHRAE Members:

It is my pleasure to announce that a consolidation agreement between ASHRAE and the Indoor Air Quality Association has been finalized by both organizations. The consolidation was approved by the Boards of Directors for ASHRAE and IAQA at ASHRAE’s recent 2015 Winter Conference in Chicago. This agreement comes after a seven month period of due diligence, which was completed last month.

We are excited about the opportunities presented by this consolidation. It opens the door to alignment of ASHRAE and IAQA programs to create high-impact resources for building professionals around the globe.

IAQA is a nonprofit organization dedicated to bringing practitioners together to prevent and solve indoor environmental problems for the benefit of customers and the public. IAQA was established in 1995 and is the nation’s largest indoor air quality trade association with over 2,500 members and more than 20 local chapters across the United States and Canada.

As I share this news with you today, IAQA President Kent Rawhouser also is sharing the news with their members. He says, “This is an historic event for both associations and has great promise for growth and development for both organizations. The opportunities and possibilities for members are only limited by our own imaginations. IAQA and ASHRAE are committed to growing and developing the IAQA brand. The consolidation will open new avenues for programs and benefits for our members.”

Under the consolidation, IAQA will become a part of the ASHRAE organization while maintaining its own brand and Board of Directors. IAQA will operate independently within ASHRAE’s organizational structure.

This consolidation allows ASHRAE and IAQA to combine resources to improve indoor air quality in the built environment. We are optimistic about what the agreement means to the future of both groups.

If you have questions or comments about this venture, please feel free to contact me at ashraepresident@ashrae.org. You can find a list of frequently asked questions at www.ashrae.org/iaqa.

Thank you,

Tom Phoenix, P.E., Fellow ASHRAE, BEAP, BEMP
2014–15 ASHRAE President
### 2014-2015 Meeting Dates

<table>
<thead>
<tr>
<th>MONTH</th>
<th>GENERAL MEETING</th>
<th>Date</th>
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<tbody>
<tr>
<td>July</td>
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<td>August</td>
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<tr>
<td>September</td>
<td>Fall Frolic Golf Outing – Echo Valley Golf Club</td>
<td>11</td>
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<tr>
<td>October</td>
<td>Student Night / Membership Promotion</td>
<td>22</td>
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<tr>
<td>November</td>
<td>Research Promotion</td>
<td>19</td>
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<tr>
<td>December</td>
<td>Past Presidents / History (joint w/ CSI and SMCI)</td>
<td>15 (Lunch)</td>
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<tr>
<td>January</td>
<td>Membership Promotion</td>
<td>13</td>
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<td>February</td>
<td>Resource Promotion</td>
<td>16 (Lunch)</td>
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<td>March</td>
<td>Refrigeration</td>
<td>18</td>
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<td>April</td>
<td>ASHRAE Webcast</td>
<td>23</td>
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<td>April</td>
<td>Spring Fling Golf Outing – Wakonda Club</td>
<td>27</td>
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<tr>
<td>Winter</td>
<td>2015 Winter Conference – Chicago, IL</td>
<td>Jan 24-28</td>
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<td>CRC</td>
<td>Region VI CRC – Bettendorf, IA</td>
<td>April 30-2</td>
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<tr>
<td>Summer</td>
<td>2015 Annual Conference – Atlanta, GA</td>
<td>Jun 27-1</td>
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### ASHRAE Technology Awards Program

The ASHRAE Iowa Chapter is soliciting Technology Award Applicants. The purpose of the awards is three-fold:

- To recognize ASHRAE members who design and/or conceive innovative technological concepts that are proven through actual operating data.
- To communicate innovative systems design to other ASHRAE members.
- To highlight ASHRAE technological achievement to others, including associated professionals and societies worldwide, as well as building and facility owners.

If interested in submitting a project, contact Iyhab Hasan at iyhab.hasan@vatterott.edu. Submissions for the chapter level will be due by **March 16th, 2015**.

For more information on the Technology Awards Program visit: [https://www.ashrae.org/technologyawards](https://www.ashrae.org/technologyawards)

### Your Assistance is Requested!!!

We are compiling data regarding the demand for students interested in Mechanical Engineering. Are you an ME or Con E with ME Emphasis graduate or do you have a co-worker that is? If you or someone you know are please email Mike Wolfe at wolfem@TheBakerGroup.com with your contact information and the field your degree is in.
## ASHRAE Iowa Research Investors 2014-2015

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<thead>
<tr>
<th>Individual Investors</th>
<th>40.3% of Goal</th>
<th>$10,742.00 - To Go</th>
<th>Company Investors</th>
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<td>A. J. Allen Mechanical Contractors Inc. (HR)</td>
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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________________________

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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!
2014-2015 Newsletter Sponsors

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 (and all subsequent) newsletter. Make check payable to: ASHRAE Iowa. Cost is $125. Send to:

Andrew Pospisal
ASHRAE Newsletter Sponsorship
P.O. Box 3686
Urbandale, IA  50323

Luke Miller is collecting cards for all of 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: lukem@ajallen.com