Iowa Stalks
Monthly Newsletter - May 2018

This Month at ASHRAE Iowa

Chapter Regional Conference

Early this May, the Iowa Chapter hosted the other 10 chapters from our region at the annual Chapter Regional Conference (CRC). CRC is hosted by a different chapter each year and putting on a great CRC took a monumental effort.

Hopefully you were able to attend some or all that CRC had to offer. From great learning experiences and available PDHs to delicious food to fun on the bar crawl, the CRC committee did its best to be certain that everyone in attendance had the opportunity to take away memories and connections from this year’s CRC. Check out some of the pictures below.

Thank you to the committees that worked on the production of CRC and especially Jason Kems and Corey Metzger as the conference chairs. CRC was a success thanks to your efforts.
Golf Outting
Hyperion graciously hosted the Spring Fling ASHRAE Iowa golf outing. The overcast day offered great golfing for all those who participated. After golf there was a delicious dinner and fantastic door prizes awarded. Winners of the Spring Fling Golf Tournament were: Ted Gerber, Tyler Luttenegger, Austin Hennessey, and Jake Connor. The winners won on a tie-break thanks to an eagle on hole six.

Hope to see you all back in at the Fall Frolic in September!

President's Corner

Greetings Fellow ASHRAE Iowa Members!

As I sit down to write this update, it is a little bittersweet. We have had a phenomenal group of individuals diligently working for the past 3 years to host the best CRC ASHRAE has seen. The hard work of those volunteers was well executed. Please take a moment to thank Corey Metzger and Jason Kems for the hard work they have put

ASHRAE Iowa Chapter
www.ashraeiowa.org

- Board of Governors -
Brandon Bratz
Chris Clausen
Ted Gerber
Joe Nielsen
in over the last few years. I can’t say it enough, we have an amazing chapter that is full of leaders and future leaders. Thank you to the employers as well that see the benefits of ASHRAE and allow us the time and resources to make the Iowa Chapter the best!

We had around 210 people attend our conference in Des Moines. We had the honor to host Society President-Elect Sheila Hayter as well as Society Vice Presidents Julia Keen and Mick Schwedler. Dignitaries traveled from the East Coast, Atlanta (Headquarters), Denver to be with us. Thank you to everyone that extended them a little bit of “Iowa Nice” during their visit.

Looking ahead, we are held our golf outing at Hyperion Field Club on May 14th. Thanks to your efforts we filled the golf course. It was a great way to recall our stories from CRC and enjoy each other’s company.

In closing, thank you for the support this year. I appreciate the full support everyone has provided. Soon the gavel will be transitioning over to Brian Steffens. Our chapter will be in great hands with Brian’s leadership.

I will always cherish the efforts everyone has made this year and the friendships created and strengthened over this year.

Thank you,

Luke Miller
Iowa Chapter President (2017-2018)

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  *President Elect*
  Brian Steffens
  *Treasurer*
  David Poetting
  *Secretary*
  Adam Puls

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  Dan Zaug
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  Joe Moench
  *CTTC*
  Matt O’Banion
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  *eCommittee*
  Jason Kems
  *Education*
  Kit Cartwright
  Roger Lesher
  *GGAC*
  Matt Jesson
  *Historian*
  Andrew Pospisal
  *Honors & Awards*
  Matt Gumm
  *Membership*
  Tim Conrad
  Mitch McColloch
  *Product Directory*
  Holly Elbert
  *Refrigeration*
  Justin Barrett
  *Research Promotion*
  Michael Gustafson
  Dan Ponxs
  *Student Activities*
Past Presidents

<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
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<tr>
<td>Andrew Pospisal</td>
<td>2016-2017</td>
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<td>Matt Gumm</td>
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<td>Kelly Crow</td>
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<td>Roger Lesher</td>
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<td>R.H. Schnell</td>
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<td>C.H. McGuiness</td>
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Upcoming Meetings

Be on the look-out in September for news about the Fall Frolic and have an amazing summer!

Iowa Chapter Future Meetings

<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Location</th>
<th>Topic</th>
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<tbody>
<tr>
<td>September</td>
<td>29</td>
<td>The Legacy Golf Club</td>
<td>Fall Frolic Golf Outing</td>
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<tr>
<td>October</td>
<td>18</td>
<td>Ramada Tropics</td>
<td>Membership &amp; RP Night</td>
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<td>November</td>
<td>15</td>
<td>Ames</td>
<td>Student Night</td>
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<td>December</td>
<td>11</td>
<td>Holiday Inn</td>
<td>SMCI / CSI Joint Meeting</td>
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<td>January</td>
<td>17</td>
<td>Baker Group Offices</td>
<td>Advanced Prefabrication Techniques &amp; Tour</td>
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<td>February</td>
<td>15</td>
<td>Hotel Renovo</td>
<td>Refrigeration DL Presentation</td>
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<td>March</td>
<td>28</td>
<td>Noah's Ark</td>
<td>MP, RP, &amp; History Project</td>
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<tr>
<td>April</td>
<td>18</td>
<td>Val Lanes</td>
<td>Chapter Meeting and Bowling Tournament</td>
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<tr>
<td>April</td>
<td>19</td>
<td>At Your Desk!</td>
<td>ASHRAE Webcast - Myths About Energy Efficiency</td>
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<tr>
<td>May</td>
<td>14</td>
<td>Hyperion Field Club</td>
<td>Spring Fling Golf Outing</td>
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Society & Region Events

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<th>Month</th>
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ASHRAE Iowa hosted its first annual bowling tournament on April 18th. The competition was fierce on some lanes, and at least competitive on others. The local Young Engineers in ASHRAE (YEA) group of the Iowa Chapter also participated and had a separate tournament. Awards were presented for first place winners, second place winners, third place winners, and last place winners of the YEA and non-YEA member tournaments. The event went well and looks to live up to its initial billing as an annual event. If you weren't able to participate, hit the lanes to practice up for next April's event.
Chapter Historian Andrew Pospisal giving his history presentation on the history of HVAC controls in central Iowa.
Chapter Historian and actual bowler, Andrew Pospisal, handing out first, second, and third place awards to the winners. First place winners: Joe Howard and Vince Sanders. Second place winners: Gerry Wilwerding and Nick Terhall. Third place winners: Dan Zaug and Jacob Schaefer.
The coveted toilet bowl trophy went to last place winners Kit Cartwright and Vinoth Sekar.

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**Research Promotion**

The end of the ASHRAE Society year is coming up quickly. Please consider donating to RP if you haven't already. Any donation is helpful and appreciated. If you have any specific questions about how your donated money will be used, please contact [Dan Ponxs](mailto:Dan.Ponxs@ashrae.org).
As you can see we are still tracking short of our goal for this year's RP donations. Please consider donating on behalf of yourself or your company!

This year, the BOG is encouraging you to donate online in an effort to save paper and increase the efficiency of the RP donation process. Please visit the ASHRAE RP Donation page here. ASHRAE provides options for you to determine where to place your donation. The Iowa Chapter is looking to increase its endowment and would appreciate it if you would place your donation in the box available next to “Endowed Research via ASHRAE Foundation”, check the box indicated that you understand that those funds are restricted for the support of ASHRAE Research, and put “Iowa Chapter” in the “Existing Fund Name (If known):” box. From there it’s as simple as any other online purchase with a credit card.

Don’t forget that ASHRAE is a 501(c)(3) organization. Contributions are deductible as allowed by law.

A receipt will be sent to the address listed above.

If you would still prefer to donate by check or have any further questions about the donation process, please contact dponxs@woodmaninc.com.
Thank you for your donation!

What's new in the Iowa Chapter?

Iowa Legislature Passes Energy Efficiency Bill

The Iowa Legislature recently passed a bill that could have a significant impact on energy efficiency in our state. This bill, Senate File 2311, has now been signed by Governor Kim Reynolds. The major concern is that it could effectively reduce or eliminate the popular energy rebate programs currently offered by public utilities.

Iowa Chapter Technology Awards

This year we have three 2018 AHSRAE Iowa Technology Awards first place winners!

Health Care Facilities – New Category
Broadlawns Medical Center East University Medical Clinic – Tyson Scheidecker

Commercial Buildings – New Category
Fairfield Inn & Suites, Altoona – Jake Cunliffe

Institutional Buildings – Educational Facilities – Existing Category
Iowa State University, Marston Hall – Lincoln Pearce

The Fairfield Inn & Suites and Marston Hall submissions will be moving on to the Regional Level Competition. Regional Winners will be announced at this year’s CRC in Des Moines.

You can read all three of the first place submissions on the Technology Awards page on the ASHRAE Iowa website.

Congratulations to Tyson, Jake, and Lincoln for winning Iowa Chapter first place awards!
eLearning Course on Refrigerants for Non-Specialists

The course is mainly designed for non-specialist in HVAC&R operation and servicing i.e. National Ozone Units (NOUs), policy makers, procurement officers, buildings owners, facility managers, etc. It is also recommended for HVAC&R engineers, consultants and technical people who wish to get an overall and holistic overview about refrigerants and its progression.

The course consists of 4 lessons. Lesson 1 covers refrigerants types and addresses environmental considerations. Lesson 2 deals with
refrigerant classifications, including ASHRAE Standards 15 and 34. Lesson 3 addresses refrigeration selection, including residential and small commercial applications. Lesson 4 covers refrigerant management, including the development of a management plan, containers, storage, and recovery, recycling, and reclamation.

If this is something you'd like to enroll in, or share with your clients or contacts outside of our industry, please follow the instructions on the infographic below.

**Enrollment Process**
Government officials and policy makers may enroll in the Refrigerant Literacy Course as follows:

1. Send your first name, last name, title, organization, email address, and a physical address via email to GovAffairs@ashrae.org. Please indicate in the subject line, “Refrigerants Literacy Course.”
2. If multiple individuals from the same organization want to register, you may put this information in a spreadsheet, and email the spreadsheet to GovAffairs@ashrae.org.
3. ASHRAE will validate the enrollee is a government official or policy maker.
4. ASHRAE will create an account for you and will enroll you into the course.
5. ASHRAE will send you an email with eLearning portal access credentials, and the URL to access the course.
6. Once enrolled, the subscription lasts for 12 months, so you have 12 months to complete the course.

**Technical Support**
If a learner has any difficulties with login or course access, they should contact eLearning@ashrae.org. This support email address is indicated in the eLearning portal, https://elearning.ashrae.org/.

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**2018 Annual Conference**
Industry News

ASHRAE Handbooks News

Starting with the 2018 ASHRAE Handbook—Refrigeration, Handbook PDFs will be available for download from the ASHRAE Technology Portal, as the Handbook CD will no longer be manufactured or distributed. The PDF download includes the same information provided on the CD.

Beginning June 1, 2018, you can sign in to the Technology Portal and download the entire volume or individual chapters of the 2018 ASHRAE Handbook—Refrigeration, using your ASHRAE member sign in credentials.

Abandoned Mines Could Heat Scottish City
GLASGOW, Scotland—A new project is looking into how heat from abandoned mines and porous rock layers could help warm Glasgow, Scotland. The British Geological Survey is working on studies to help identify which parts of the city would offer the best potential of using geothermal energy via tapping into minewaters, superficial deposits and bedrock aquifers beneath the city. The city has set a target of using renewable energy sources to supply 11% of the heat demand in the city. However, the British Geological Survey (BGS) estimates that 40% of the city's heating demand could be covered from heat taken from waters in abandoned mines under Glasgow.

Former NYC Mayor to Personally Cover U.S.'s Financial Commitment to Paris Climate Agreement
NEW YORK—Former mayor of New York Michael Bloomberg this week said he will pay the $4.5 million required to cover the U.S.'s financial commitment to the Paris
Climate agreement for 2018. The U.S. formally withdrew from the agreement in 2017. Bloomberg added that he will continue to provide money for the pact if the United States does not officially rejoin the agreement. According to Bloomberg’s charity, Bloomberg Philanthropies, the $4.5 million will go towards the operations of the UN Climate Change Secretariat.

**All-Electric, Solar-Powered Refrigerated Trailer Unveiled**

LONG BEACH, Calif.—Trucking technology company ENow has developed an all-electric, solar-based transport refrigeration system. A demonstration model of the new trailer was displayed at the recent ACT (Advanced Clean Transportation) Expo 2018. According to the company, the trailer system integrates a proprietary solar technology, as well as battery storage and a patented electronic control system. According to the company, the all-electric unit achieved emission reductions of 98% nitrous oxide, 86% carbon dioxide, and 97% particulate matter over a five-month test period, compared to a traditional, diesel-powered transport refrigeration unit (TRU).

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**ASHRAE Learning Institute**

Check out ASHRAE eLearning for more than 90 courses available on your computer. These courses have been created by HVAC&R professionals using ASHRAE’s extensive pool of knowledge and most courses are recognized PDHs by AIA and GBCI (confirm with licensing body for specifics). Course options include:

- Introduction to Refrigerants
- Refrigerant Selection
- Refrigerant Management
- Ethics for the Built Environment Professional Engineer
- Standard 62.1-2013: Natural Ventilation Procedure
- Using Standard 90.1-2010 to Meet LEED Requirements
- Building Information Modeling
- Humidity Control Design: Basic Principles, Loads and Equipment
- Standard 189.1 for High-Performance Green Buildings - Energy Efficiency
- School of Hard Knocks: Controlling Moisture & Humidity in Buildings

[Click Here for More Details]
Chapter Regional Conference

CRC went as well as could be expected when you gather that many ASHRAE members in downtown Des Moines. In true Iowa Chapter style, the hospitality suite was well stocked and serving the drinks with a side of "AYYYYs" late into both nights (or early into both mornings, whichever you'd prefer). The technical sessions offered great learning opportunities, the awards dinner recognized deserving individuals, projects, and chapters in our region, and the President's Luncheon gave us a glimpse into our next Society President's plan for her term. Below are some highlights that were deemed appropriate and important enough to share.

The finer points of "pre-gaming" before the Welcome Party
The Welcome Party at West End Salvage saw groups of people enjoying the salvaged materials, tasty foods, and networking. Some were caught staring at something way up high. Others were showing off their leadership skills, or blue polos, either way. One guy forgot about the fourth wall...
The finer points of "post-gaming" after the Welcome Party
Learning Opportunities? Yeah, you could say we had those. We started with a CRC first by offering a complete ASHRAE Learning Institute Short Course presented by Distinguished Lecturer (DL) Mark Nunnelly. We also had PDH worthy presentations from DL Chris Mathis, DL Julia Keen, DL Hoy Bohanon, and Mick Schwedler.
Incoming Society President Sheila Hayter addressing attendees at the President's Luncheon.
Iowa State University Student Michael Seymour receiving the Reuben Trane Society Scholarship at the Awards Banquet.
See more pictures of the fun [here](#).

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ASHRAE Newsletter Sponsorship
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Adam Puls 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: apuls@shive-hattery.com.
Until next year...

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