IOWA Stalks
ASHRAE Iowa Chapter

A Newsletter for the Iowa Chapter of ASHRAE

THIS MONTH AT ASHRAE

Fall Frolic Golf Outing

ASHRAE Iowa Chapter

2014 Fall Frolic
ASHRAE Golf Outing
“Shotgun Start”

When: 1:00 PM Thursday, September 11, 2014
Where: Echo Valley County Club
3150 County Line Road
Des Moines, IA 50321
www.echovalleycc.com
515-285-0101

Costs:
Golf: $80.00 for 18 Holes and Half a Cart
Dinner: $40.00 Dinner
Dinner & Golf: $120.00 Total

Plus:
$5.00 Mulligans and $5.00 Pink Tee’s (Limit 4 Mulligans and 1 pink tee per player)

Send to: (Please make Checks payable to ASHRAE Iowa Chapter)
Jeff Hammer by Thursday September 4, 2014
Mail to: Hart-Hammer, Inc.
529 Elm Street
West Des Moines, Iowa 50265
Attn: Jeff Hammer
Phone: (515) 277-6305
Fax: (515) 277-3669
jhammer@harthammer.com

Dress Code - See reverse

For Credit Card Payments:
If you would like to pay by credit card, we would ask that you register and pay on-line at our registration website under the Event Registration tab. If you would prefer to pay with a credit card over the phone, please call the number above and ask for Jason Kems or Jeff Hammer. You may use Visa, Master Card or American Express.

Registering On-Line:
Registration for this event is available on-line. You can enter all of your teammates and get your mulligans and pink tees all set up prior to the event. Payment is fast and secure using PayPal or we can accept checks. Please have all payments in for the event no later than the registration deadline.

www.ashraeiowa.org

Sponsorships and Door Prizes

All sponsorships must be requested and paid for by the registration deadline.

Silver - $100
Gets you a COLOR SIGN at a tee box of one of the holes

Gold - $250
Also gets your name on a sponsorship list at the prize table and sponsors a pin event

Platinum - $1,000
Also gets your name at the registration table and sponsors the main door prizes
Hello and welcome to the 2014-15 ASHRAE chapter year! I hope everyone enjoyed their summer and is looking forward to the fall. The Board of Governors began planning for the chapter year back in July and has some great technical programs and social activities lined up. Our goal is for ASHRAE to continue to be a great resource for professional development and networking.

Coming up on Thursday, September 11th is the Fall Frolic golf outing at Echo Valley Country Club in Norwalk. The golf committee has lined up another great outing on a great course. There is still time to get in a last-minute registration or sponsorship if you haven’t already signed up.

On Wednesday, October 22nd, we will be holding our annual student night in Ames. It will start off with an industry discussion panel; continue with a social hour, dinner, and business meeting. We will finish with a tour of the recently completed ISU ABE building.

Keep an eye out for meeting registration info via email and the chapter website. Hope to see everyone at the Fall Frolic and October meeting in Ames.

Justin Barrett
Iowa Chapter President 2014-2015
SEPTEMBER 2014 MEETING NOTICE

DATE: Thursday, September 11, 2014

TOUR: We are kicking off our fall meeting schedule with a tour of the Iowa Aviation Heritage Museum at the Ankeny Regional Airport. The Museum commemorates the history of Iowa Military Aviation and General Aviation from before WW II to present day. There is an incredible amount of Military Aviation History associated with Iowa. The goal of the Museum is to keep this history from being lost.

The Museum has a large number of artifacts on display such as a Stinson 10A – the airplane used to patrol the Gulf of Mexico for German submarines during WW II. Other planes on display or undergoing restoration include a Twin Navion and an F 84 Thunderjet. Also on display are remote control aircraft from Byron Originals and the Ida Grove airshow.

PLACE: Iowa Aviation Heritage Museum
3704 SE Convenience Blvd.
Ankeny Regional Airport
Ankeny, Iowa 50021

Take I-35 north from Des Moines and exit on Oralabor Road. Go east to the first stoplight and then turn south. Drive past the Monsanto and the Casey’s buildings and follow Convenience Blvd. as it turns to the east. At the junction near the airport turn right (south). You will see a large scale model of a B-25 bomber mounted on a pole in front of the Museum.

After entering the building, go left and follow the aisle to the workshop area at the back of the building. You will find tables and chairs available for fellowship and meal time.

DINNER: We will be enjoying the famous Jethro’s BBQ Sandwich with your choice of BBQ meats, sides and sauces. The catered dinner by Jethro’s BBQ will be available for $15.00.

TIME: 5:30 PM – Gathering time
6:00 PM – Dinner
7:00 PM – Semi self-guided tour

GUESTS: Guests are welcome and encouraged to attend. You will be called for reservations.

Curt Klaassen, President
515-996-2802

Jack O’Neel, Program
55-285-1322
Iowa Aviation Heritage Museum: 3704 SE Convenience Blvd.
Ankeny Regional Airport
Ankeny, Iowa 50021
Pressurization and Ventilation: Achieving Energy Efficiency and IAQ Compliance

Free Seminar/Webinar presented by Leonard A. Damiano, EBTRON, Inc.

Tuesday, September 16, 2014 | 12:00 p.m. – 2:00 p.m. CDT
Energy Resource Station | Ankeny, IA

Adequate building ventilation and pressurization while minimizing building energy use and maintaining occupant comfort for commercial buildings will be the central issue discussed in this presentation. The Iowa Energy Center will sponsor this seminar/webinar to discuss the major reasons to measure airflow for HVAC control and backfill those answers with supporting information that includes compliance with professional design standards and local codes. The material concludes with a discussion of the differences between the measurements technologies that are available. The material presented is targeted at building professionals (building designers, mechanical engineers, building control engineers, testing and balancing contractors, ASHRAE members, etc.).

Earn Professional Development Hours (PDH)
A certificate for two PDH’s will be awarded to onsite seminar participants.

About the Presenter

For over 35 years, Len Damiano has held a variety of HVAC industry senior management positions with North American air control and air movement product manufacturers. Len is currently Vice President of Marketing and International Sales at EBTRON, Inc. where he has been employed for 22 years.

Len became a full Member of ASHRAE in 1990. He is active with and currently a member of three Technical and six Standing Projects Committees. He has been a contributor to the Fundamentals Handbook on Instrumentation and Applications Handbook on Controls.

Len is a member of both the U.S. Green Building Council, which developed and maintains the LEED Green Building Rating Systems, and an Associate Member of the International Code Council. He has developed, contributed, written or co-authored numerous technical articles published in the ASHRAE Journal, ASHRAE Transactions, HPAC Engineering, the TAB Journal (AABC Magazine) and www.automatedbuildings.com.

Registration
The seminar is FREE but registration for onsite participation is required. To register, contact Denise at the Energy Resource Station at (515) 965-7055 or email djunod@iastate.edu. A free lunch will be provided to registered onsite participants.

Webinar Participants
Webinar participation is FREE; registration is not required. Connect to the live webinar by going to https://connect.extension.iastate.edu/pressurization/.
Log in as “Guest”, no username/password is needed.
Conference Number: 1-866-249-8583
Participant Code: 411819
Professional Development Hour certificates can only be provided to onsite participants. This event will be recorded and available on the Iowa Energy Center website at a later date.

Onsite Location
Iowa Energy Center, Energy Resource Station (ERS)
Bldg. 23, DMACC
2006 S. Ankeny Blvd.
Ankeny, IA 50023
For a map of this location, go to the ERS page on the Iowa Energy Center website at www.iowaenergycenter.org.

ABOUT US
The Iowa Energy Center has been actively serving Iowans since 1990. We support economic growth through collaborative projects that bring smart and sustainable energy technologies closer to market and by providing Iowans with reliable, objective information on energy and efficiency options.

We are your resource for relevant energy news and updates, upcoming events, online training, competitive grants, and funding opportunities.

WAYS TO CONNECT
Visit our website, www.iowaenergycenter.org
Follow us on Facebook, Twitter, and LinkedIn
Sign up for our news feed delivered directly to your inbox
October Meeting (Wednesday the 22\textsuperscript{nd})

Membership Promotion and Student Night

Schedule (times still to be finalized):
4:00 PM: Industry Panel Discussion with Students
5:00 PM: Social Hour
6:00 PM: Dinner and Meeting
7:00 PM: Jobsite Tour – ISU ABE Building

Location:
Panel Discussion, Social Hour, Dinner and Meeting to be held at Torrent Brewing Co. in Ames, IA.

“Click Here” for Iowa State University’s Student ASHRAE Chapter
Resource Promotion and Tech Session

Schedule (times still to be finalized):
1:00 – 4:30 PM: Tech Session
5:00 – 6:00 PM: Social Hour
6:00 – 7:00 PM: Business Meeting

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

Abstract for Gordon Sharp’s Iowa ASHRAE Tech Session:

A Holistic Overview of Technologies and Strategies to Achieve Deep Energy Reductions in Laboratories

As we strive to build more energy efficient laboratories and vivariums, the most impactful approach is often to reduce the outside airflow. In the last few years new design approaches such as demand based control of lab air change rates, chilled beams (hydronic cooling), and VAV exhaust fan control have been successfully employed to safely reduce these lab airflows to as low as 2 ACH to cut energy consumption significantly. Although these concepts may be discussed individually in the past, this talk provides a detailed holistic discussion of how these and other energy saving technologies such as heat recovery can be combined to create a whole that is greater than the sum of the parts. A sophisticated lab energy analysis tool that can determine potential energy and capital cost savings will be used to both examine, quantify, and then compare the relative contributions of different energy savings approaches for a typical lab building in some representative climates. Several case studies will be provided including a large near net zero lab project in Abu Dhabi, UAE.

Finally, building HVAC systems naturally can degrade and building energy use can rise over time with maintenance staffs often lacking the time to analyze building performance. One solution that will also be discussed is the use of intelligent agent systems and monitoring based commissioning. These systems can be used to automatically analyze lab building energy and IEQ data, often using approaches like dashboards to help ensure long term energy savings and a healthier indoor environment.
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
## 2014-2015 Meeting Dates

<table>
<thead>
<tr>
<th>MONTH</th>
<th>GENERAL MEETING</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>July</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>August</td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>September</td>
<td>Fall Frolic Golf Outing – Echo Valley Golf Club</td>
<td>11</td>
</tr>
<tr>
<td>October</td>
<td>Student Night / Membership Promotion</td>
<td>22</td>
</tr>
<tr>
<td>November</td>
<td>Research Promotion</td>
<td>19</td>
</tr>
<tr>
<td>December</td>
<td>Past Presidents / History (joint w/ CSI and SMCI)</td>
<td>15 (Lunch)</td>
</tr>
<tr>
<td>January</td>
<td>Membership Promotion</td>
<td>13</td>
</tr>
<tr>
<td>February</td>
<td>Resource Promotion</td>
<td>16 (Lunch)</td>
</tr>
<tr>
<td>March</td>
<td>Refrigeration</td>
<td>16</td>
</tr>
<tr>
<td>April</td>
<td>ASHRAE Webcast</td>
<td>16</td>
</tr>
<tr>
<td>May</td>
<td>Spring Fling Golf Outing</td>
<td>21</td>
</tr>
</tbody>
</table>

| Winter Meeting | 2015 Winter Conference – Chicago, IL                                              | Jan 24-28 |
| CRC            | Region VI CRC – Bettendorf, IA                                                   | April 30-2 |
| Summer Meeting | 2015 Annual Conference – Atlanta, GA                                             | Jun 27-1  |
Your contribution puts us closer to achieving our goal. Please send what you can today!

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A receipt will be sent to the address listed above.

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

Thank you for your donation!
Thank you once again to our 2013-2014 Newsletter Sponsors! Please remember to renew your sponsorship for the 2014-2015 year.

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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