Let’s Do Lunch!

Trends in our Industry and the Impact on your Business

Jack Connell, PE, CEM, LEED AP
Honeywell
Speaker Bio can be found on page 3.

Monday, December 10, 2012

11:30—Lunch
12:00—Speaker

FREE for local members
$20 for student ASHRAE members
All others $20 at the door

Engineer’s Club of Dayton
110 East Monument Avenue

RSVP by December 6, 2012, 12 noon to Jeremy Fauber at JPFauber@heapy.com or 224-0861
A Note from the President:

The holiday season is upon us in full force. I’d like to take this opportunity to wish all of our members a happy and fulfilling month. It is also with great pleasure that I announce the location for our holiday party this year. The Racquet Club in the Kettering tower will be hosting us on January 19th, more details coming soon.

I hope everyone enjoyed our November meeting. We had an overflowing tech session presented by Lew Harriman, and an excellent main meeting presentation by Merle McBride. My sign-up sheet for the Sustainability Committee Meeting was misplaced so if you are interested please just shoot me a quick e-mail: jgilspie@p2psystems.net.

Out next meeting will be a lunch meeting on December the 10th at the Engineers Club and will feature a presentation by Jack Connell from Honeywell. Jack will be presenting on “Trends in Our Industry and the Impact on Your Business” which will be geared toward how the controls industry is evolving in our modern era. I look forward to his presentation and seeing you all there.

One more reminder; we now have a Facebook account that I’m trying to keep up to date and moving along. Please like our page, if you utilize that medium, to gain access to this information.


Thank you!

Jason Gillespie, President, ASHRAE Dayton Chapter

Holiday Party, January 19, 2013 at the Racquet Club!

SAVE THE DATE
April 18, 2013, 1:00 pm - 4:00 pm EDT
FREE ASHRAE Webcast
Assessing Building Energy Performance:
From Principles to Practice

Research Promotion Notes:

“One More” campaign for 2012-2013:

♦ One more Company (last year there were 11)
♦ One more individual (last year there were 23)
♦ One more dollar (or more) from each contributor

The Dayton Chapter has approximately 180 assigned members, with 50-60 who regularly attend meetings. Can’t you “give back” even a little to the organization that provides your livelihood? Contribution form on page 9.

See the new 2012-2013 research promotion honor roll attached!
Speaker Bio for December Program

Jack Connell, PE, CEM, LEED AP

Jack has spent most of his 35 year career in the energy management industry in a wide range of technical and management positions. This experience covers a variety of functional areas including product design, product management, marketing, sales, manufacturing, controls contracting and energy. Since moving to Raleigh, North Carolina, 20 years ago, Jack has worked in a technical or sales leadership role in energy performance contracting in the region and throughout the country. He also started and grew both building controls contracting and distribution businesses in the area. Jack graduated from Tufts University with a BSME in Mechanical Engineering, is a registered PE in 2 states, Certified Energy Manager and LEED AP. A long-term member of ASHRAE, ASME and AEE, Jack has a patent in controls and has published and presented on topics ranging from performance contracting to self-directed work teams. In his current role at Honeywell, Jack is supporting the Environmental & Combustion Controls group to raise the awareness of how to sell and implement energy efficiency projects for contractors, distributors and facility owners throughout North America.

Title: Trends in Our Industry and the Impact on Your Business

We have seen tremendous change in the application of technology to buildings and every other aspect of our society. Everything from the smart phone in your pocket to the definition of the word “green” has shifted what we do in ways that we could not have imagined 5 or 10 years ago. Expectations of building occupants and stakeholders continue to rise in the areas of energy cost reduction, carbon footprint, comfort and convenience. Measuring and displaying facility performance can shift those stakeholders from passive to active participants in the management of the building. This presentation will frame these issues and opportunities, and discuss how “energy retrofits” or “energy projects” fit into the bigger picture.
**DAYTON CHAPTER ASHRAE HISTORY 2010/11**

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Organization</th>
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<tr>
<td>PRESIDENT</td>
<td>Rick Pavlak</td>
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<td>PRESIDENT ELECT</td>
<td>Steve Meier</td>
<td>Wat-Kem Mechanical</td>
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<td>VICE PRESIDENT</td>
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<td>SECRETARY</td>
<td>Gordon Schweitzer</td>
<td>Heapy Engineering</td>
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<td>TREASURER</td>
<td>Jason Gillespie</td>
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<td>Jeremy Fauber</td>
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<td>Ramsay Cohron</td>
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<td>Student Activities</td>
<td>Larraine Kapka</td>
<td>Sinclair College</td>
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<td>Research Promotion</td>
<td>Dennis Lammlein</td>
<td>Signature Technologies</td>
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<td>Membership</td>
<td>Greg Cohron</td>
<td>Ramsay Cohron</td>
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<td>Chapter Tech Transfer</td>
<td>Mike Kirchens</td>
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<td>Historian</td>
<td>Tom Ferdelman</td>
<td>Heapy Engineering</td>
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<td>News Letter</td>
<td>Larraine Kapka</td>
<td>Sinclair College</td>
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<td>Home Page</td>
<td>Russell Marcks</td>
<td>Sinclair College</td>
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<tr>
<td>Internet E-Mail</td>
<td>Jeremy Fauber</td>
<td>Heapy Engineering</td>
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**General Information**

Meeting's were held at the Dayton Engineers Club unless stated.

2010-2011 CRC Cincinnati attended by Tom Ferdelman
Rick Pavlak, Jason Glispie, Jeremy Fauber, Larraine Kapka, Russ Marcks, Mike Kirchens

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**PROGRAMS**

- **9/13/10** Lunch Young Engineers in ASHRAE Engineers club
- **10/11/10** Dinner Technical Session Pipe Expansion Loops: Jim Clauss Metraflex Comp
- **11/8/11** Dinner Technical Session Case Studies of CFD Modeling Rick Pavlak & Shau Mc Donough, Heapy Eng
- **12/13/11** Lunch Technical Program Daylighting "Let the SunShine In" William Spier, Autodesk, Inc.
- **1/22/11** Dinner Holiday Party Sinclair Community College 4 course Dinner by Sinclair Culinary Competition Team
- **2/21/11** Dinner Technical Session Hands on Revit Demo at Sinclair community College
- **3/15/11** Pre Dinner Technical Session and Program Trends in Buildings an Energy Simulation Drury Crawley ASHRAE Distinguished Lecturer
- **4/11/2011** Dinner Technical Session Applying 90.1 Technical Program 90.1 Updates Susanna Hanson Syst App Trane, Member 90.1 Comm.
- **5/12/2011** Golf Outing Heatherwood Golf Course 1:30pm Shot Gun Start Early pay Golf & Dinner $90.00
- **8/12/2011** CRC Central Indiana Indianapolis Distric steam & chilled water Systems Todd Fuller & Robert Purdue Inc Tour

**PAOE**

RECEIVED PAOE

**Presidential Award Of Excellence**
High Honor Award, Star, Special Citation
Eligibility:
1. Undergraduate or graduate degree candidates enrolled in Engineering, Engineering Technology, Energy Engineering, Facilities Management, Construction Management, or similar degree leading to a career in the construction industry.
2. Member of Dayton Chapter of ASHRAE (paying local dues) and their immediate family members, or Student ASHRAE member.
3. Have completed 12 quarter hours or semester hours towards their degree.

Application Available at www.daytonashrae.org
Questions? Larraine.Kapka@Sinclair.edu
Application Must be Postmarked by January 31, 2013

Please help ASHRAE promote the availability of more than 20 Society scholarships for the 2013–2014 school year, available to high school seniors entering college through senior undergraduate engineering students.

- Two High School Senior Scholarships—$3,000 each
- Three Engineering Technology Scholarships—$3,000 each
- Six Regional and University-Specific Scholarships—$3,000–$5,000 each
- 11 Undergraduate Engineering Scholarships—$3,000–$10,000 each

Scholarships are awarded for the academic year following the application deadline beginning with the fall semester. For a list of available scholarships, complete eligibility requirements, and an application, visit www.ashrae.org/scholarships.
Now is a Good Time to Get More Involved in ASHRAE!

Go National!

Applying for Membership on a Technical Committee

ASHRAE welcomes new members to its technical committees.

To be considered for technical committee membership, you must:

♦ Notify ASHRAE staff at TCStaff@ashrae.net of your interest in a particular TC, TG, TRG, or MTG.

♦ Create or update your ASHRAE biographical record under the “Manage Your Membership” link from the ASHRAE Web site

♦

Please note:

If you do not have an ASHRAE ID, are or not applying for ASHRAE membership, and are applying for a position that requires an ASHRAE bio to be on file, please click here to request an ID and PIN. You may also use that link if you already have an ASHRAE ID as a non-member, but you do not have a record of what that number is. You will immediately be assigned as a Provisional Corresponding Member. The acceptance of provisional corresponding membership implies participation in committee activities through correspondence or in-person involvement. Provisional corresponding members serve 2 year terms. Although provisional corresponding members are not voting members, at the end of your term and based on participation in the committee, you may be considered for future voting membership. Notification of acceptance to a TC is emailed upon your appointment.

Stay Local!

See page 8 for local opportunities or contact any Board member (listed on page 2).
**Wanted:** Individuals to step up and work on the Dayton Sustainability Project.

Qualifications: Willingness to work with others to set up his year’s sustainability project.

**Wanted:** Webmaster for the Dayton ASHRAE Website to take over from Russ Marcks.

Qualifications: Ability to use web authoring software to update and freshen the website and add new, interactive features desired by members.

**Wanted:** Newsletter editor to work with Larraine Kapka and maybe assume full responsibility next year.

Qualifications: Access to Publisher and Adobe Acrobat a necessity. Takes just a few hours a month. Will train if you have the software.

Each of these positions requires just a few hours a month. Please contact President Jason Gillespie (jasondavidgillespie@gmail.com) or any Board Member (see page 2 for directory).
Have a Job to Fill?
Advertise in your Dayton ASHRAE Newsletter and on the Dayton ASHRAE Website.
Insert a business-card size ad for $20 a month or $100 a year.
All proceeds to Dayton ASHRAE Scholarship Fund.
Send ad copy to: Larraine.Kapka@Sinclair.edu

Need a Job?
Submit your profile to your Dayton ASHRAE Newsletter.
We’ll print it for FREE!
Limited to 250 words plus contact information.
Send ad copy to: Larraine.Kapka@Sinclair.edu

Ready to Give Back to YOUR Industry?
Dayton ASHRAE needs members to work on committees.
Contact Jason Gillespie at:
Jasondavidgillespie@gmail.com
2011-2012 saw ASHRAE continue its leadership in developing standards and guidance for the design, operation and maintenance of healthy, energy-efficient buildings. The Dayton Chapter again met their goal to raise money for research, setting a new high. Research dollars help fund the science behind the handbooks and standards, making sure that guidance has a solid foundation.

This industry gives all of us our livelihood. ASHRAE’s research and educational programs are what keeps our industry and profession on the leading edge and assures its continued existence. Confident that you will recognize the benefits of this investment, I am asking you to help fund future HVAC&R research and development. Together, we can all make a difference!

Amount enclosed: ___ $250     ___ $150     ___ $100     ___ $50   ___ Other (specify) _______

Name: ____________________________________________________________________________

Address: __________________________________________________________________________

___________________________________________________________________________________

Phone Number: __________________________

Member Number (If known): _________________________

Donation in memory of: ___________________________

Do you want to be recognized in the Dayton newsletter as a contributor? (circle)   YES   NO

Mail completed form with your check, payable to ASHRAE Research to:

Denny Lammlein
29 Sandelwood Street
Springboro, OH  45066
Roll Call: ASHRAE Responds ‘Present’ in STEM Education Efforts

ATLANTA—The United States produces approximately 74,000 engineers a year, a number that has remained essentially flat for the past two decades. With the impending retirement of the Baby Boomer generation, an anticipated shortage of engineers will affect virtually every aspect of our environment, society and lifestyle. ASHRAE is increasing its efforts in expressing the importance of science, technology, engineering and math (STEM) education – most notably, in the area of public policy.

To accomplish this, ASHRAE has joined the STEM Education Coalition. The Coalition works to inform federal, state and local policymakers on the critical role that STEM education plays in keeping the U.S. competitive in the global marketplace, as well as in guaranteeing future economic prosperity. The Coalition advocates for policies that will improve STEM education and provide greater access to STEM programs. As members of the Coalition’s Leadership Council, ASHRAE will work with other member organizations to advance the Coalition’s policy aims through direct advocacy and grassroots education efforts.

“I took an interest in engineering when I was very young, and my science and math classes in school only fueled that curiosity.” Tom Watson, ASHRAE president, said. “Working with the STEM Education Coalition demonstrates ASHRAE’s commitment to education, and we are eager to be a part of high-level discussions and collaboration to promote such important educational topics.”

ASHRAE hopes to unite its grassroots efforts with other organizations of the coalition that have similar goals at the state and local level. For example, ASHRAE encourages policymakers to implement the following recommendations:

• Increase federally funded research to improve teaching and learning of STEM concepts and critical thinking skills.
• Recruit, train and retain qualified STEM teachers through the development of programs recognizing educators who excel in STEM education, and incentives that encourage the best and brightest scientists and engineers to teach.
• Foster partnerships among educational institutions, industry, and non-profit organizations and their members.
• Encourage the adoption of curriculum standards that cultivate high student performance; the development of curricula that foster creativity, experiential problem solving and critical thinking; and the development of assessments aligned with these standards and curricula.
• Create opportunities and incentives for women and minorities to pursue STEM coursework and careers.

ASHRAE also provides resources for its members to reach out to schools and students to promote STEM education. An online resource guide for kindergarten through 12th grade is available at www.ashrae.org/ashraek12. The site includes suggested classroom projects, career videos from the Society and materials for teacher use.

ASHRAE, founded in 1894, is a building technology society with more than 50,000 members worldwide. The Society and its members focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability within the industry. Through research, standards writing, publishing and continuing education, ASHRAE shapes tomorrow’s built environment today.

###
Research Promotion Honor Roll 2012-13

Corporations

**PLATINUM ($1000 or more)**
Dayton ASHRAE Chapter

**GOLD ($500 or more)**
Waibel Energy Systems

**SILVER ($250 or more)**

**BRONZE ($150 or more)**
Allied Supply Company, Inc.—Dayton

Individuals

**HONORS ($100 or more)**

- Jeremy Fauber
- Tom Ferdelman
- Jason Gillespie
- Larraine Kapka
- Michael Kennedy
- Bruce Knapp
- Kyle Kurtz
- Dennis Lammlein
- Russ Marcks
- Steven Meier
- Evan Nutt
- Bob Patterson
- Jake Taylor

**HONORABLE MENTION**

- Steffens-Schultz
- Kyle Schroeder
ASHRAE Honors and Awards – Opportunities for Recognition of Outstanding Achievements

Submitted by J. Thomas Sobieski,

2012-13 Honors and Awards Committee Personal Awards Subcommittee Chair

Each year, ASHRAE recognizes professionals who are making strides in the industry. Do you know that ASHRAE’s awards fall into six categories?

1. Personal Honors
2. Personal Awards for General Society Activities
3. Personal Awards for Specific Society Activities
4. Paper Awards
5. Society Awards to Groups or Chapters
6. Chapter and Regional Awards

There are two important deadlines for submission of nominations to the Society Honors & Awards (H&A) Committee:

December 1:
- Honorary Member
- Fellow
- F. Paul Anderson
- Distinguished Public Service
- Hall of Fame
- Pioneers of the Industry

May 1:
- Louise & Bill Holliday
- Distinguished Fellow
- Andrew T. Boggs Service
- Distinguished Service (DSA)
- Exceptional Service (ESA)
- Distinguished Fifty-Year Member

There are other Awards, such as the E. K. Campbell Award of Merit, the Lincoln Bouillon Award and the John F. James International Award to name a few, that are recommended by selecting bodies other than the H&A Committee. Details such as criteria, selecting body, other deadlines, required documentation and nomination forms about all awards can be found at: http://www.ashrae.org/honors in easy to read text, via spreadsheet and PowerPoint format. If you need additional information, guidance and/or have a question(s), please feel free to contact Rosy Douglas at ASHRAE Headquarters, rdouglas@ashrae.org.

Are you aware that you can “self nominate” for the Distinguished Service Award (DSA) and the Exceptional Service Award (ESA)? Since these awards are granted on the basis of a point count for service to ASHRAE, you are the most knowledgeable person to determine your past services to the Society. Just be sure that your “bio” (ASHRAE Biographical Record) on the website is up to date and accurate (no double counts such as points for member and chair of the same committee for the same time period) and that your “bio” list starts and end dates for each activity.

Remember that members can only be recognized for services and/or outstanding technical achievements by the granting of ASHRAE Honors and Awards if members take the time and effort to make nominations. For forms and information, visit the H&A Web page at www.ashrae.org/honors.
ASHRAE Conference in Dallas – Advance Registration Ends December 31!

Advance registration for ASHRAE’s 2013 Winter Conference, Jan. 26-30, Dallas, Texas closes on Dec. 31. The technical program features more than 200 sessions addressing energy conservation; facility management; standards, guidelines and codes; HVAC&R systems and equipment; HVAC&R fundamentals and applications; and refrigeration. One particular track of note is Industrial and Transportation Ventilation, focusing on the industrial and manufacturing sector prevalent in Texas. The full Technical Program offers the opportunity to earn a year’s worth of PDHs, NY PDHs, AIA LUs and LEED AP credits and runs Jan. 27-30.

Visit the YEA Hospitality Suite in Dallas!

Attention young professional members age 35 and younger! You are invited to visit the YEA Hospitality Suite on Sunday, Jan. 27, from 4-7 p.m. The suite offers social and networking opportunities and light refreshments will be served.

For more information on Young Engineers in ASHRAE and their activities, please visit [www.ashrae.org/yea](http://www.ashrae.org/yea).

Student/ Young Engineers in ASHRAE (YEA) Mixer, 5:00 – 6:30 PM, FREE w/Registration

As students transition from college to the professional world, this opportunity to meet and greet young professionals in ASHRAE provides students with the opportunity to get in-depth information about the industry and growth opportunities within ASHRAE. Food, drinks and prizes will be available. The Student/YEA mixer is Saturday January 26.

Shop the ASHRAE Merchandise Store Online and in Dallas

The ASHRAE Merchandise store has added several new items to both the online store and the live location at the Dallas Winter Conference. If you need gifts for a chapter event or for a colleague, the ASHRAE Merchandise Store is the place to shop.

Here are some new items you can buy today!

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>ASHRAE Sport Cup</td>
<td>$10</td>
</tr>
<tr>
<td>ASHRAE Baseball Cap in Pink and Stone!</td>
<td>$15 each</td>
</tr>
<tr>
<td>ASHRAE Men’s Black Golf Shirt</td>
<td>$30</td>
</tr>
<tr>
<td>ASHRAE Men’s Blue Golf Shirt</td>
<td>$30</td>
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See what’s new at [www.ashrae.org/merchandise](http://www.ashrae.org/merchandise)