



Dayton Chapter

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

Dayton Chapter
PO Box 3202 Dayton, OH 45401
<http://www.daytonashrae.org>

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

COMING EVENTS:

- ◆ December 19 Board Meeting at Heapy Engineering, 8 AM
- ◆ January 16 Board Meeting at Heapy Engineering, 8 AM
- ◆ January 19 Holiday Party (this is a Saturday evening)

ASHRAE

2012-2013 OFFICERS

President

Jason Gillespie 313-8843
Point-to-Point Systems
jasondavidgillespie@gmail.com

President-Elect

Kyle Kurtz 264-4343
Waibel Energy Systems
Kyle.kurtz@trane.com

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Jake Taylor 224-0861
Heapy Engineering
jtaylor@heapy.com

Secretary

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Waibel Energy Systems
Evan.nutt@trane.com

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Steven N. Meier 573-3072
Wat-Kem Mechanical
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stevecoppock@habeggercorp.com

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Lorraine Kapka 512-4501
Sinclair Community College
Lorraine.Kapka@Sinclair.edu



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: jgillespie@p2psystems.net.

Our 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.

<https://www.facebook.com/pages/Dayton-ASHRAE/261194993917985?ref=ts&fref=ts>

Thank you!

Jason Gillespie, President, ASHRAE Dayton Chapter

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

Free!

SAVE THE DATE

April 18, 2013, 1:00 pm - 4:00 pm EDT

FREE ASHRAE Webcast

Assessing Building Energy Performance:

From Principles to Practice

Free!

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.

**\$6226.76
to date for
2012-13!**

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.

Join ASHRAE at its 2013 Winter Conference and the AHR Expo®!
Jan. 26–30/Jan. 28–30, Dallas

Register before **Nov. 4** and **SAVE!!!**





Technical Program—join your fellow members and industry leaders to discuss and examine the latest topics in the building industry, such as high performing buildings and integrated design

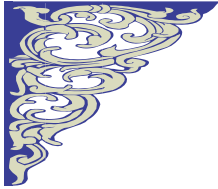
Virtual Conference—if you can't make it to Dallas, take advantage of the knowledge shared in the technical program with the Virtual Conference

AHR Expo—The ASHRAE co-sponsored AHR Expo takes place Jan. 28-30 at the Dallas Convention Center. www.ahrexpo.com

ASHRAE Certification—all six certification programs are being offered: Building Energy Assessment Professional; Building Energy Modeling Professional; Commissioning Process Management Professional; High-Performance Building Design Professional; Healthcare Facility Design Professional; and Operations and Performance Management Professional.

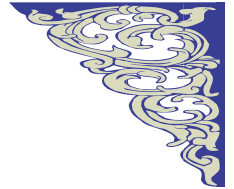
ASHRAE Learning Institute—five Professional Development Seminars and 15 Short Courses are offered, including new courses on the air-to-air energy recovery, ultraviolet germicidal irradiation systems, combined heat and power efficiency, laboratory design and HVAC systems optimization.

www.ashrae.org/dallas



Dayton ASHRAE History Corner

By Historian Tom Ferdelman



DAYTON CHAPTER ASHRAE HISTORY

2010/11

PRESIDENT	Rick Pavlak	Heapy Engineering
PRESIDENT ELECT	Steve Meier	Wat-Kem Mechanical
VICE PRESIDENT	Vacant	
SECRETARY	Gordon Schweitzer	Heapy Engineering
TREASURER	Jason Gillespie	Elitaire
BOD, Past Pres	Jeremy Fauber	Heapy Engineering
BOD	Frank Mauro	Heapy Engineering
BOD	Greg Cohron	Ramsay Cohron
BOD	Lorraine Kapka	Sinclair College
Student Activities	Russell Marcks	Sinclair College
Research Promotion	Dennis Lammlein	Singnature Technologies
Membership	Greg Cohron	Ramsay Cohron
Chapter Tech Transfer	Mike Kirchens	Elitaire
Historian	Tom Ferdelman	Heapy Engineering
News Letter	Lorraine Kapka	Sinclair College
Home Page	Russell Marcks	Sinclair College
Internet E-Mail	Jeremy Fauber	Heapy Engineering

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, Lorraine Kapka, Russ Marcks, Mike Kirchens

Regional Director Lee Millies See Hist Detail Book for BOD Min & News Letters

PROGRAMS

9/13/10	Lunch	Young Engineers in ASHRAE	Engineers club
10/11/10	Dinner	Technical Session	Pipe Expansion Loops: Jim Clauss Metraflex Comp
		Technical Program	AHRI Update: Dick Lord, AHRI Committee Member
11/8/11	Dinner	Technical Session	Case Studies of CFD Modeling Rick Pavlak & Shau Mc Donough, Heapy Eng
		Technical Program	CFD For the Rest of Us Parker Wright CFD Analysis Blue Ridge Numerics
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 Sinclar Culinary Competition Team
2/21/11	Dinner	Technical Session	Hands on Revit Demo at Sinclair community College
		Technical Program	Auto desk Arch, Eng & Const., Geoff Wilkie, AEC Solutions
3/15/11	Pre Dinner	Technical Session	Trends in Buildings an Energy Simulation
		and Program	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
8/4/2010		Green Design Expo	Heapy Engineering
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**



\$500 SCHOLARSHIPS*

Promoting the Art and Science of Heating and Air Conditioning
in the Miami Valley!

Dayton Chapter

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? Lorraine.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

Applications due May 1, 2013

Three Engineering Technology Scholarships—\$3,000 each

Applications due May 1, 2013

Six Regional and University-Specific Scholarships—\$3,000–\$5,000 each

Applications Due December 1, 2012

11 Undergraduate Engineering Scholarships—\$3,000–\$10,000 each

Applications Due December, 2012

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).

Dayton ASHRAE Needs You!



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 Lorraine 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).



Employers



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 : Lorraine.Kapka@Sinclair.edu

Dayton ASHRAE Members

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 : Lorraine.Kapka@Sinclair.edu

Volunteers Needed

Ready to Give Back to YOUR Industry?

Dayton ASHRAE needs members to work on committees.

Contact Jason Gillespie at:

Jasondavidgillespie@gmail.com

2012-2013 ASHRAE RESEARCH Dayton ASHRAE

Contribution Form



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

Invest in the Future:

Support ASHRAE Research!



For Release:
Contact: Jodi Scott, Public Relations
678-539-1140
jscott@ashrae.org

November 30, 2012

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.

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Welcome to ASHRAEJobs.com
Your source for HVACR
Engineering Careers





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)

<i>Jeremy Fauber</i>	<i>Dennis Lammlein</i>
<i>Tom Ferdelman</i>	<i>Russ Marcks</i>
<i>Jason Gillespie</i>	<i>Steven Meier</i>
<i>Lorraine Kapka</i>	<i>Evan Nutt</i>
<i>Michael Kennedy</i>	<i>Bob Patterson</i>
<i>Bruce Knapp</i>	<i>Jake Taylor</i>
<i>Kyle Kurtz</i>	

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.

Dallas Conference News



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.



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!

[ASHRAE Sport Cup](#) - \$10

[ASHRAE Baseball Cap in Pink and Stone!](#) - \$15 each

[ASHRAE Men's Black Golf Shirt](#) - \$30

[ASHRAE Men's Blue Golf Shirt](#) - \$30



See what's new at www.ashrae.org/merchandise