



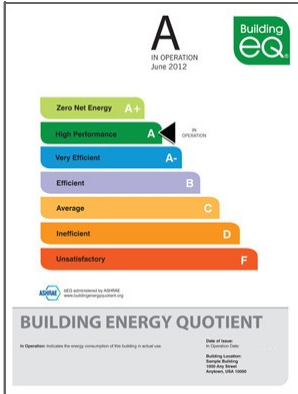
Dayton Chapter

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

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

bEQ Labeling Program: A Member's Point of View

ASHRAE Distinguished Lecturer T. David Underwood, P.Eng., ASHRAE Fellow



5:00 Technical Session (topic/details to follow)
5:30 Social
6:15 Dinner
7:00 bEQ Labeling Program Presentation

FREE for local members and prospective members
All others \$20 at the door

Engineer's Club of Dayton
110 East Monument Avenue

RSVP by October 3, 2012, 12 noon to
Jeremy Fauber at JPFauber@heapy.com or 224-0861

Program: bEQ labeling has two aspects "In Operation" and "As Designed". This discussion will cover the advantages and disadvantages of both these programs from a grass roots member point of view. There will be some discussion of local marketing of these programs in a fully developed form and the value of using both aspects together. For example in a real estate portfolio, there are opportunities to assist owners in containing energy costs with subsequent indoor air quality improvements. Qualifications for BEAP's and BEMP's will be covered with emphasis on value ASHRAE brings to its members.

Speaker: T. David Underwood, P.Eng., Fellow Life Member, ASHRAE-Certified Commissioning Process Management Professional, is retired and resides in Oakville, Ontario, Canada. As vice president, Underwood was a member of the Board of Directors and the Executive committee and served as chair of Publishing and Education Council. Read more about David on page 5.

Tech Session: Three ASHRAE Levels of Commercial Energy Auditing, Jake Taylor and Jessie Northridge from Heapy Engineering.

COMING EVENTS:

- ◆ October 8 October Dinner Meeting
- ◆ October 17 Board Meeting at Heapy Engineering, 8 AM
- ◆ November 12 November Dinner Meeting (Student Night and Research Promotion Night)

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

Treasurer

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

Secretary

Evan Nutt 264-4343
Waibel Energy Systems
Evan.nutt@trane.com

Past President

Steven N. Meier 573-3072
Wat-Kem Mechanical
smeier@watkem.com

Committee Chairs

Membership

James McCabe 614-562-2026
MSD Engineering
jmccabe@msdinc.net

History

Tom Ferdelman 224-0861
Heapy Engineering
tferdelman@ymail.com

Newsletter Editor

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

Research Promotion

Dennis Lammlin 886-9178
dlammlin@woh.rr.com

Student Activities

Russell Marcks 512-2053
Sinclair College
Russell.marcks@sinclair.edu

CTTC

Michael Kennedy 224-0861
Heapy Engineering
mbkennedy@heapy.com

Webmaster

Russell Marcks 512-2053
Sinclair College
Russell.marcks@sinclair.edu

Board of Governors

Jeremy Fauber 224-0861
Heapy Engineering
jpfauber@heapy.com

Rick Pavlak 224-0861
Heapy Engineering
rpavlak@heapy.com

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



A Note from the President:

If time flies when you're having fun, then I've been having a blast this last month!

Get ready to ring in October; its right around the bend, which means our first regular dinner meeting is here! On the 8th we will be having dinner with Mr. David Underwood, an ASHRAE Distinguished Lecturer, who will be discussing bEQ labeling. Don't forget that October is also our Membership Promotion meeting, so please bring any prospective member with you and we'll feed them for free! We will also be handing out chapter awards we received at CRC this year.

The September luncheon went well. Mr. Gerry Iacouzzi delivered an excellent presentation on ducts, sealing, and their effects on system performance. We had a good turnout from UD as well, and I hope many of you had the opportunity to meet some of our members from the student branches.

Just as a reminder, we are always looking for members who are looking to get involved, especially with our website, Research, the golf outing, and our sustainability committee. Please contact any board member if you have an interest in getting involved.

Have a great month,

Jason Gillespie, President, Dayton ASHRAE

Research Promotion Notes:

Final Research Promotion Statistics for 2011-12:

New all time high: \$13,244.65

Time to start the "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?

Upcoming opportunities:

Full Circle: All board members contribute \$100 each by November 1st

November Research Promotion Meeting: Make a special contribution of \$20 that night and proudly wear an "I support ASHRAE Research" sticker.



STAN Engineers

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STAN and Associates is a consulting engineering firm specializing in Mechanical and Electrical Engineering Design for building construction. Since our founding in 1981, we have been recognized as experts in Controls Engineering and Systems Commissioning and provide services over the eastern half of the country. Our clients include leaders in medical and educational facilities. We emphasize individual growth, challenging projects, high integrity and personal values, and an excellent work environment. Our benefits package and flexible working hours make us a firm of choice.

This career opportunity is a permanent full-time position that requires a Professional Engineering License and a Bachelor's Degree in Mechanical Engineering. **STAN** is a Veteran- Owned firm and veterans will receive additional consideration.

See our posting on ASHRAEJOBS.com, search keyword "stan" or contact us at the email below in confidence for information on responsibilities, position requirements, and benefits, or to submit a resume.

STAN and Associates, Inc.
Attn: Sue DesRoches, Office Manager
7812 McEwen Road, Suite 300
Dayton, Ohio 45459
Fax (937) 438-0183
sdesroches@stanengineers.com

Join ASHRAE at its 2013 Winter Conference and the AHR Expo®!

Jan. 26–30/Jan. 28–30, Dallas

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



www.ashrae.org/dallas

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.

Looking for my next Opportunity!

I am a Level II Mechanical Engineer seeking an H.V.A.C. system design position in educational, healthcare, and commercial construction consulting or as a component design engineer for mechanical system products. I graduated from Wright State University in March 2009 with a B.S.M.E., which included machining, material selection, and human factors engineering as technical-elective coursework. My software skills include AutoCAD, Revit MEP, COMcheck, Trane Trace 700, Adobe products, and Microsoft Office Suite products. Formerly with KLH Engineers, PSC, I have three years of engineering design and construction administration experience with projects ranging from residential equipment, fan coils with dedicated outdoor-air systems, and packaged rooftop units to variable air volume, air handling units and hot water boiler replacements. I also possess another five-plus years experience with mechanical system phasing, technical drawing, instructional writing, system detailing, and quality-check reviewing.



After a student membership and frequently attending presentations, I joined the A.S.H.R.A.E. Dayton Chapter in the spring of 2012 and I am now working with the membership committee for the upcoming calendar year. In addition to representing my firm at industry events, my efforts with the Dayton Regional S.T.E.M. Center as an Industry Fellow and with various neighborhood volunteering efforts have allowed me to boost my organization's regional awareness over the past three years.

For a full résumé and list of references please contact me at:
Eric Heinrich
ehlein.83@gmail.com
(216) 225-2345 (cellular phone)

T. David Underwood P.Eng.

T. David Underwood, P.Eng., Fellow Life Member, ASHRAE-Certified Commissioning Process Management Professional, is retired and resides in Oakville, Ontario, Canada. As vice president, Underwood was a member of the Board of Directors and the Executive committee and served as chair of Publishing and Education Council. "Serving on the Board of Directors affords the opportunity to view and review our activities from the perspective of the whole membership," he said, speaking about the greatest opportunity facing ASHRAE. "With this opportunity comes great responsibility to rationally debate the issues among the Board members to seek the best solutions for our collective membership. The greatest opportunity and possibly the greatest challenge is to engage the grassroots member with the same passion and commitment of the Board for the technical activities of the Society. It is our challenge to excite the whole membership with our commitment to our industry and our future in it."

Other service includes member of the Toronto Chapter Board of Governors and Honors and Awards Committee and liaison to the Building Energy Quotient Ad Hoc Committee. He formerly served as director-at-large on the Board of Directors; a member of the Planning Committee and Foundation Trustees; and chair of the Commissioning Process Management Professional certification subcommittee. He currently serves on the Conferences and Expositions Committee (CEC) as well as the Research Promotion Committee (RP).

He has received the Exceptional Service Award and the William J. Collins, Jr. Research Promotion Award. He was awarded a Bachelor of Science in Civil Engineering from the University of Manitoba in 1964.



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

Make a New Year's Resolution to Get More Involved with 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 7 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



2010-2011 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

September 14, 2012

New Guideline from ASHRAE Focuses on Smoke Control System Commissioning

ATLANTA – ASHRAE has added to its suite of commissioning guidance to ensure buildings and systems operate as intended with a new guideline on commissioning for smoke control systems.

Guideline 1.5-2012, The Commissioning Process for Smoke Control Systems, describes the technical requirements of the commissioning process described in ASHRAE's Guideline 0-2005, The Commissioning Process, to verify that the smoke control system achieves the owner's project requirements.

The guideline includes annexes that are based on actual project experience and current practice and illustrate application of the commissioning process for smoke control systems and components. It builds upon the concepts of Guideline 5, Commissioning Smoke Management System, and replaces it.

"Due to the integration and interdependency of systems, a performance problem in one system can result in less than optimal performance in others," Paul Turnbull, chair of the committee that wrote the guideline, said. "Although Guideline 1.5 focuses on smoke control systems, a successful building commissioning process validates the interoperability between all building systems. When smoke control is the primary focus of the commissioning process, coordination among disciplines is essential for success."

Other commissioning guidance from ASHRAE includes Guideline 0-2005, The Commissioning Process, which contains general requirements for the commissioning process of all building systems; and Guideline 1.1-2007, HVAC&R Technical Requirements for the Commissioning Process, which contains specific requirements for commissioning HVAC&R systems in Guideline 0-2005 that are unique to HVAC&R systems.

ASHRAE first began developing formal guidelines for commissioning in 1982, looking at documenting best practices to achieve facilities that perform according to an owner's needs and requirements. Its original guideline on commissioning was published in 1989.

ASHRAE also is working on several other guidelines and a standard related to commissioning: Guideline 0.2P, The Commissioning Process for Existing Systems and Assemblies; Guideline 1.2P, The Commissioning Process for Existing HVAC&R Systems; Guideline 1.3P, Building Operation and Maintenance Training for the HVAC&R Commissioning Process; Guideline 1.4P, Systems Manual Preparation for the Commissioning Process; and Standard 202P, Commissioning Process for Buildings and Systems.

The cost of Guideline 1.5-2012, The Commissioning Process for Smoke Control Systems, is \$54 (\$46, ASHRAE members). To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 404-321-5478, or visit www.ashrae.org/bookstore.

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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Jobs

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Engineering Careers





Dayton Chapter ASHRAE

<http://www.daytonashrae.org>

Membership Application and Roster Information 2012 - 2013

Your Name			Your Company Name		
Home Address			Business Address		
City	State	Zip	City	State	Zip
() -			() -	() -	
Home Phone	Spouse Name		Business Phone	Ext.	Fax Number
Home e-mail address			Business e-mail address		

SEND NEWSLETTER TO: Home Address Home email address Business Address Business email address

I prefer Lunch Meetings ___ I prefer Dinner Meetings ___ I have no preference ___

Chapter achievements are accomplished through active committee involvement. If you would like to promote your Society by serving as a committee chair or assist on one of the chapter committees, please indicate in which committee you are interested below. Please indicate your first preference by number 1 and so on.

- Education
 Membership
 Research
 Historian
 Newsletter
 Chapter Office
 CTTC (Refrigeration; Technical, Energy & Government; Programs)
 Golf Outing
 Communication
 Holiday Party
 Honors & Awards

Please Select Your Preferred Roster Affiliation

- Consultant Contractor Industry/Government Retired
 Education Student: School _____ Degree _____ Approximate Graduation Date _____

Wholesalers, Manufacturer's Rep/Sales Offices, Fill in trade names of products you represent below

Air Devices		Louvers and Dampers
Air Handlers		Make-Up Air Units
Boilers		Packaged A/C
Building Automation		Pre-Insulated Pipe
Chillers		Pumps
Coils		Sound Attenuation
Computer Room Equipment		Steam Specialties
Cooling Towers		Air Terminal Units
Ductwork		Thermal Storage
Dust Collection		Unit Heaters
Fans		Unit Ventilators
Fan Coil Units		Vibration Isolators
Filtration		Valves
Heat Exchangers		Variable Speed Drives
Heating Equipment		Water Source Heat Pumps
Humidity Control		Water Treatment
Kitchen, Laboratory Fume Hoods		Other

*Dayton Chapter ASHRAE dues for the Society year beginning July 1, 2011 and ending June 30, 2012 are \$95 per year. Dayton Chapter ASHRAE dues include 6 dinner/lunch meetings, and both you and a guest for the holiday event. * Note: Be sure to begin paying Local dues when you pay your National Dues.*

Please return this application and a check or money order in the amount of \$95 made payable to Dayton ASHRAE to:

DAYTON ASHRAE, PO Box 3202, Dayton, OH. 45401

Paid local dues with your annual dues? Please return the form anyway!



Research Promotion Honor Roll 2011-12

Corporations

PLATINUM (\$1000 or more)

*Emerson Climate Technologies, Inc.
Dayton ASHRAE Chapter*

GOLD (\$500 or more)

Waibel Energy Systems

SILVER (\$250 or more)

Controlled Air, Inc.

Uptime Solutions

BRONZE (\$150 or more)

Allied Supply Company, Inc.—Dayton

Individuals

HONORS (\$100 or more)

*Jim Davidson
Jeremy Fauber
Joe Ferdelman
Tom Ferdelman
Jason Gillespie
Sidney Hagan
Dennis Helmig
Lorraine Kapka
Kyle Kurtz
Dennis Lammlein
Frank Mauro*

*James McCabe
Colin MacKenzie
Russ Marcks
Steven Meier
John Patterson
Richard L Pavlak
John Stewart
Mark Rapier
John Stewart
Jake Taylor*

HONORABLE MENTION

*Contech Design Watkem
Tom Monnig Evan Nutt Richard B. Pavlack*

Concurrent with the ASHRAE Winter Conference . . .



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