



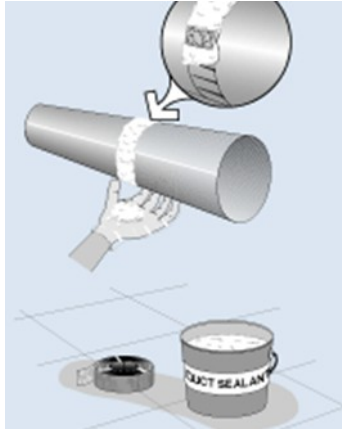
Dayton Chapter

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

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

Young Engineers in ASHRAE

A Special Meeting for those 35 and under!



Duct Leakage Measurement and Effects on System Performance

Duct Leakage Measurement and Effects on System Performance-will deal with airflow fundamentals such as SP, VP, and TP; specifications, sealants and adhesives, leakage testing procedures and equipment and the cost of leakage and effect on system performance.

11:30 Lunch

12:00—12:45 Program

FREE for members and prospective members 35 and under
Members older than 35 and all others: \$20 at the door

September 10, 2012

Engineer's Club of Dayton
110 East Monument Avenue

Gerard L. Iacouzze is the Technical Service Engineer-National for McGill AirFlow LLC in Bowie, Maryland. He provides application engineering services to engineers, contractors, building owners, specifications writers and government engineers. During his 24 year career with McGill AirFlow, he has been responsible for sales, training, application engineering and liaison services. His experience in the duct and HVAC equipment field spans over 40 years with positions as the associate technical director of Sheet Metal and Air Conditioning Contractors National Association(SMACNA)/ National Environmental Balancing Bureau(NEBB) and Gas Appliance Manufacturers Association(GAMA). Early in his career, he designed HVAC systems as a design engineer. He served on the ASHRAE Duct Design Committee TC 5.2, and Central Forced Air Heating and Cooling Systems Committee TC 6.3. Additionally, he served on the ASHRAE Standards Committee and the Standards Project Committee which developed test standards for furnaces and boilers.

RSVP: By Thursday, September 6, 2012, 12 noon to
Jeremy Fauber at JPFauber@heapy.com or 224-0861

COMING EVENTS:

- ◆ September 19 Board Meeting at Heapy Engineering, 8 AM
- ◆ October 8 October Dinner Meeting
- ◆ October 17, Board Meeting at Heapy Engineering, 8 AM

ASHRAE

2012-2013 OFFICERS

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A Note from the President:

Here we are again facing another exciting year of programming, beginning this month with Gerald Iacouzzi of McGill Airflow. He will be speaking at our YEA luncheon on September 10th, covering "Duct leakage measurements and the effects on system performance." Just a reminder that the YEA events are free to our YEA membership (under 35 years old) only; unfortunately that means our more seasoned members will be required to pay for this meeting, but as always are welcome to attend.

The past month has been exciting, from all the awards Dayton ASHRAE and its members earned at CRC to having a chance to speak with the University of Dayton Student Chapter. There were many bright young minds in attendance and a good number expressed interest in getting involved in ASHRAE locally and beyond.

We are currently working on forming a committee for a community sustainability project where we will work with the community to make improvements to the facilities of a local non-profit. If anyone would like to get involved this would be an excellent opportunity to get in there and really make a difference. We have several non-profits on the list of possibilities, but I would love to hear any additional suggestions from the membership. Please contact a board member to get involved.

I would also like to know if anyone has any suggestions for locations for the golf outing this year. As you know we've held the golf outing at the fine club at Heatherwoode for the past few years and I'd like to put it up to the membership to weigh in on whether a new location is in order, or if it is simply as good as it gets as-is.

Be on the look-out for details on our first dinner meeting of the year taking place in October. The presentation will be from ASHRAE Distinguished Lecturer David Underwood on the topic of bEQ, "In Operation" and "As Designed", and the pros and cons of each to our grassroots members. It certainly sounds like a great topic, and if you have any suggestions for things you would like covered, we are all ears. Shoot me a message and I will gladly speak to Mr. Underwood on your behalf.

That's all for now, looking forward to a great turnout at the YEA luncheon!

Jason Gillespie, President, Dayton ASHRAE



Research Promotion Notes: Final Research Promotion Statistics for 2011-12:

New all time high: \$13,244.65

Company (11) Donations: \$10,683.81

Individual (23) Donations: \$2,560.84

Final push (15-30 June): \$1,750

Company Honors: \$150 or greater; Individual Honors: \$100 or greater; Honorable Mention: \$50 or greater.



Dayton Chapter Nets Big Awards at Chapters Regional Conference

Dayton Chapter and Member Awards:

Society: Tom Ferdelman, Distinguished 50 year Member Award

Region V Technology Award: Educational Facility, New: 1st Place, Jeremy Fauber, Heapy Engineering

Regional Award of Merit: Dennis Lammlein

Chapter Service Awards:

Bart Grunwald
Lorraine Kapka
Bruce Knapp
Michael Kirchens
Frank Mauro

Presidential Award of Excellence:

Steven Meier—High Honor Roll, Star, Special Citation

PAOE Sustainability Award:

Dayton Chapter

High PAOE Points in Region:

Research Promotion, 2nd Place

Programs:

TOP DOG, Jeremy Fauber, Dayton

Research Promotion:

Dennis Lammlein—Full Circle, Bronze Ribbon, High Five, Goal, Endowment Patch, Challenge

Congratulations to all on another great year!



In memorium:

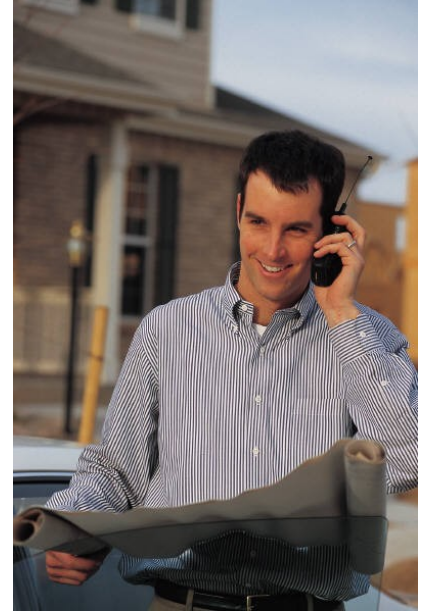
Anyone wishing to make a contribution to the Dayton ASHRAE Scholarship fund in the name of Phil Becker can send a check to:

Dayton ASHRAE Scholarship Fund
PO Box 3202 Dayton, OH 45401

The family will receive an acknowledgment of your gift.

Looking for my next Opportunity!

I am a Level II Mechanical Engineer seeking an H.V.A.C. system design position in educational, health-care, 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

ehein.83@gmail.com

(216) 225-2345 (cellular phone)

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 4 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.

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 Steve Meier at:
smeier@watkem.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

August 27, 2012

Lighting, Equipment Efficiency Changes to Energy Standard Open for Public Comment

ATLANTA – Proposed changes to the ASHRAE/IES energy standard would improve lighting and equipment efficiencies. Seventeen addenda to ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings, are currently open for public review. For more information, visit www.ashrae.org/publicreviews. Among them are five proposed changes related to HVAC&R equipment efficiencies. These include addendum bp, which would add minimum efficiencies for evaporative condensers used in ammonia based refrigeration systems, and updates references to cooling tower standards published by the Cooling Technology Institute.

“The scope of Standard 90.1 was expanded in the 2010 edition to cover many new building types, including supermarkets and cold storage warehouses,” Frank Morrison, committee member, said. “As part of this expanded scope, the 90.1 committee worked with stakeholders to establish minimum efficiencies for evaporative condensers often used in the ammonia refrigeration systems found in these facilities.” Specifically, the proposed requirements of addendum bp will help users to select energy efficient evaporative condensers as well as encourage manufacturers to develop more energy efficient designs in the future. It is also anticipated that future editions will incorporate requirements for an independent, third-party thermal performance certification program for evaporate condensers, which has proven successful for both open and closed circuit cooling towers.

The other addenda related to equipment efficiencies are:

- Addendum bi, which would harmonize the minimum energy efficiencies of 3-phase air-cooled commercial air conditioners and heat pumps less than 65,000 Btu/h with the efficiencies adopted by the U.S. Department of Energy (DOE) for residential central air conditioners.
- Addendum bj, which would re-establish the product class for small duct high velocity air conditioners and heat pumps. The minimum energy efficiency levels proposed are 11 seasonable energy efficiency ratio (SEER) for air conditioners and 11 SEER/6.8 heating seasonal performance factor (HSPF) for heat pumps which are identical to the efficiencies established by DOE for single-phase residential small duct, high velocity (SDHV) products.
- Addendum bk, which would amend the minimum energy efficiency requirements for standard-size packaged terminal air conditioners and raises the minimum energy efficiency ratio (EER) to the same level as the packaged terminal heat pumps. This new minimum efficiency will become effective on Jan. 1, 2015.
- Addendum bo, which would modify service water heating efficiency requirements in Standard 90.1 for electric water heaters, heat pump pool heaters and oil storage water heaters.

Also among the proposed changes to the standard is addendum bh, which would modify the long-standing interior space-by-space lighting power density (LPD) tables for a variety of purposes, according to Eric Richman, chair of the lighting subcommittee. This includes an adjustment to some of the space type LPDs (some go up and some go down) based on the light level design recommendations found in the new 10th edition Lighting Handbook published by the Illuminating Engineering Society (IES).

The addendum also introduces a set of LPDs for specific spaces that are predominantly occupied by seniors in permanent living facilities. These new LPDs will partially address increasing ageing population issues to ensure that these spaces receive appropriate allowances for the needs of the ageing eye. The revision also adds several new generic space type listings, including copy rooms and computer rooms, to address suggestions from users that some common items were missing.

Other addenda currently open for public review are addenda ac, bg, bl, bn, bq, bt, bu, bv, bw, bx and br.

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. ###



Welcome to ASHRAEJobs.com
Your source for HVACR
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*