

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

**Let's Do Lunch!**

# RTU Sound Attenuation



**Kris Kollevoll, BRD Noise and Vibration Control, Inc.**  
Overview and Speaker Bio can be found on page 3.

**Monday, December 9, 2013**

**11:30—Lunch**  
**12:00—Speaker**



Credit cards accepted,  
2.75% surcharge

**FREE** for local members  
\$10 for student ASHRAE members  
All others \$20 at the door

**Engineer's Club of Dayton**  
**110 East Monument Avenue**

**RSVP by December 5, 2013, 12 noon to**  
**Jeremy Fauber at [JPFauber@heapy.com](mailto:JPFauber@heapy.com) or 224-0861**

## **COMING EVENTS:**

- ◆ **December 18—Board of Governors, Heapy Engineering, 8 AM**
- ◆ **Holiday Party— January 10, 2014—Details coming soon!**
- ◆ **Save the Date: ASHRAE Mini-show March 10, 2014 at SCC!**

# ASHRAE

## 2013-2014 OFFICERS

### President

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## Committee Chairs

### Membership

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[Lorraine.Kapka@Sinclair.edu](mailto:Lorraine.Kapka@Sinclair.edu)

## A Note from the President:

I hope everyone enjoyed our Veterans Day Program last month. Can it already be December? This month we have a presentation on sound attenuation in Rooftop units from Kris Kollevoll, BRD Noise and Vibration Control, Inc. Don't forget that it is a LUNCH meeting on December 10th.

Your Board of Governors has been busy creating an exciting program for this year. Information on the holiday party will be out shortly—please save January 10th for what is sure to be a great night. In March, we are bringing back the trade show again—we have an exciting Distinguished Lecturer lined up for that night, too.

With the fall academic terms ending, encourage those eligible to apply for our chapter's ASHRAE scholarship—see the attached flyer for details.

Want to be a part of bringing great programs to the Dayton Chapter? Come to our next BOG meeting on December 18th—great donuts from Bill's—there is always room for one more!

Kyle Kurtz, President, Dayton ASHRAE

**Attention Life Members: Local dues (\$95) are now due.  
Use form on last page and remit to:  
Dayton ASHRAE, PO Box 3202 Dayton, OH 45401**

## A note from our Research Promotion Chair:

Thanksgiving reminded me that I am thankful to all who have donated to ASHRAE Research. It was great last month honoring the donors—won't you put yourself on the list for next year? Your accountant would tell you to make those tax-deductible contributions now, while you can still get a deduction on this year's taxes. Check out page 4 for a list of those who have already contributed this year—don't be left out!

Denny Lammlein, Dayton RP Chair

## Research Promotion Notes:

“1-2-3” campaign for 2013-2014:



- ◆ One more Company at the \$150 level or higher (last year there were 5)
- ◆ Two more individuals (last year there were 24)
- ◆ Three more dollars (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 8.

See the new 2013-2014 research promotion honor roll on page 4!

## **HVAC Noise and Vibration Control RTU Best Practices Presentation**

The presentation on HVAC Noise and Vibration Control will focus primarily on the Best Practices and strategies for dealing with acoustics on rooftop equipment. The presentation will begin with brief definitions of some common acoustic terminology and move into a discussion of the process of acoustical engineering as it relates to determining how, when, and where acoustic treatments should be considered. The bulk of presentation will focus on identifying multiple noise transmission paths specifically for curb mounted rooftop equipment with the use of case histories to illustrate problematic approaches and installations. In addition to covering these transmission paths, a good deal of the presentation will focus on strategies for successfully specifying acoustics on new design projects. The end of the presentation will quickly cover the treatment options for rooftop equipment as well as the recommended acoustic design considerations for ductwork. The presentation will run just under an hour so that there is time at the end for questions.

**Kristan (Kris) G. Kollevoll**, President of BRD Noise and Vibration Control, Inc. is a graduate of Princeton University. Kris started with BRD as a Sales Engineer in 1982 and became Sales Manager and Vice-President in 1988.

In 1994, upon the death of Bernard R. Deschaine, founder of the company, Kris became President and added several new Sales Engineers to BRD's staff. Additional Regional Offices have been opened in the Midwest, Southwest and Southern States and plans are underway for other offices in the New England and West Coast areas as well.

Kris is affiliated with the Acoustical Society of America and Institute of Noise Control Engineering and has also served as an outside consultant for the training of OSHA Citation Officers.

Kris has worked extensively to aid such prominent companies as DuPont, Alcoa, Johnson & Johnson, Hewlett Packard, Proctor & Gamble, as well as a long list of HVAC OEMs in designing and manufacturing long-term engineered noise control solutions.

Around 1988, Kris formed a separate HVAC Division within BRD to focus on developing proven solutions for recurring noise problems. BRD is a recognized leader in the field of noise reduction systems for air cooled and liquid chillers and for curb mounted rooftop packaged air conditioning equipment.

BRD is a frequent presenter at ASHRAE Chapter meetings.



## *Research Promotion Honor Roll 2013-14*

### *Corporations*

*PLATINUM (\$1000 or more)*

*Dayton ASHRAE Chapter*

*GOLD (\$500 or more)*

*Waibel Energy Systems*

*SILVER (\$250 or more)*

*Applied Mechanical Systems of Dayton*

*BRONZE (\$150 or more)*

*Allied Supply Company, Inc.*

### *Individuals*

*HONORS (\$100 or more)*

*Jeremy Fauber*

*Tom Ferdelman*

*Larraine Kapka*

*Michael Kennedy*

*Kyle Kurtz*

*Nathan Lammers*

*Dennis Lammlein*

*Russ Marcks*

*Steven Meier*

*Evan Nutt*

*J.R. (Bob) Patterson*

*Rick Pavlak*

*HONORABLE MENTION*

# 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](mailto: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 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 6 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 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](mailto: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](mailto:Lorraine.Kapka@Sinclair.edu)

# Volunteers Needed

## Ready to Give Back to YOUR Industry?

Dayton ASHRAE needs members to work on committees.

Contact Kyle Kurtz at:

[Kyle.kurtz@trane.com](mailto:Kyle.kurtz@trane.com)

# 2013-2014 ASHRAE RESEARCH Dayton ASHRAE

## Contribution Form



2012-2013 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 at 117% of goal and beating all other Region V chapters. ASHRAE as a whole raised 3.3% more money than last year. 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](mailto:jscott@ashrae.org)

November 19, 2013

### ASHRAE Joins Effort to Promote Better Prepared Workforce

ATLANTA – ASHRAE has accepted an invitation from the U.S. Department of Energy (DOE) to join an effort that will improve building performance through a better prepared workforce. The goal is to advance the skill sets of engineers and other professionals involved in building design, operation and commissioning.

Under DOE leadership, a Board of Advisors has been created for the Commercial Workforce Credentialing Council (CWCC). This Board will be led by the National Institute of Building Sciences (NIBS) with the participation of ASHRAE and other credentialing and professional development organizations. They will work to establish a set of voluntary national guidelines to improve the quality and consistency of commercial building workforce credentials.

The *Better Buildings Workforce Guidelines* will reduce the confusion and uncertainty around workforce credentialing; lower costs; and support better credentials, better workers and better buildings. The *Guidelines* will set an industry-validated Job Task Analysis (JTA) for each job title, as well as certification schemes (blueprints) and learning objectives for training programs. Initially the *Guidelines* will address commercial building workforce training and certification programs for five key energy-related jobs: energy auditor, commissioning professional, building/operations professional, facility manager and energy manager.

Three of ASHRAE's certification programs are part of this initial development:

- Commissioning Process Management Professional
- Building Energy Assessment Professional
- Operations & Performance Management Professional

Once implemented, industry certification programs must then receive accreditation from the American National Standards Institute (ANSI) in order to be recognized by DOE as meeting voluntary guidelines for the Better Buildings Workforce. This accreditation provides independent verification that the certifications are developed, maintained and administered according to the highest standards of the testing industry. ASHRAE has already begun the process of seeking ANSI accreditation in anticipation of this requirement.

"ASHRAE's involvement in this process is very important," William "Bill" Bahnfleth, ASHRAE president, said. "Participating in the development of the Guidelines gives us a voice in how the workforce of our industry will be developed. These Guidelines will ensure that quality services are provided by professionals with recognized certifications to increase consumer confidence in the service provided and ultimately to ensure the quality of our future building stock."

ASHRAE representatives recently attended an initial workshop to bring together industry stakeholders; explain the purpose of the newly created CWCC; discuss high-level questions; and provide input into the composition of the subject matter expert committees.

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. Through research, standards writing, publishing, certification and continuing education, ASHRAE shapes tomorrow's built environment today.



Welcome to [ASHRAEJobs.com](http://ASHRAEJobs.com)  
Your source for HVACR  
Engineering Careers





### **A short ASHRAE history note on the passing of Frank Doench by Tom Ferdelman**

Frank Doench. Dec 7, 1926 to Oct 24, 2013. After service for our country in the US Navy during WWII, Frank graduated from the University of Cincinnati with a Mechanical Engineering Degree. Frank was originally involved with ASHVE (Heating and Ventilating Engineers). In 1959 ASHVE combined with ASRE (Refrigerating Engineers) to form the present ASHRAE and he was one of the early founders of Dayton ASHRAE. After I joined ASHRAE in 1961, I attended my first Dayton Chapter Meeting held at the Dayton Engineers Club, the same club we meet at today, some 51 years later. The first person I met was Frank Doench, who at the time was collecting money and passing out Badges. Frank served as Dayton ASHRAE'S 3<sup>rd</sup> President for the 1961-62 fiscal year.

Frank was employed by Schweige, Heapy and Associates from 1952 until about 1957. He then worked with Robert Haysleth and Howard Fielder until 1960. He was then employed by Helmig and Leinesh and became a partner forming the Firm of Helmig Leinesh and Doench until 1987. Frank worked as a design engineering for a few more years with several firms including, Contech Design and Marty Harm before a well-earned retirement.



## ***\$750 SCHOLARSHIPS\****

### ***Dayton Chapter***

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

### **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 Requirements:**

1. Completed application.
2. College transcript including grades from Fall, 2013 term.
3. Personal recommendation from faculty member in student's program of study.
4. Statement from the student as to why they wish to study a discipline related to facility construction, operation or management.
5. Lists of activities within and outside the University and Industry.

**Application Available at**  
**[www.daytonashrae.org](http://www.daytonashrae.org)**

**Questions? [Larraine.Kapka@Sinclair.edu](mailto:Larraine.Kapka@Sinclair.edu)**

**Application Must be Postmarked by**  
**January 31, 2014**

\*Up to two scholarships may be awarded.

# ASHRAE Conferences 2013-2014

Attend to See What's New, Learn New Skills, Earn PDHs, Network with Peers

## ASHRAE IAQ 2013: Environmental Health in Low Energy Buildings

Oct. 15-18, 2013 | Vancouver, BC, Canada

[www.ashrae.org/IAQ2013](http://www.ashrae.org/IAQ2013)

*Comprehensive overview presented via papers.*

Co-organizer:



## ASHRAE 2014 Winter Conference

Jan. 18-22, 2014 | New York, NY

Jan. 21-23, 2014 | AHR Expo

[www.ashrae.org/newyork](http://www.ashrae.org/newyork)

Bookstore Sponsor:



## First International Conference on Energy and Indoor Environment for Hot Climates

Feb. 24-26, 2014 | Doha, Qatar

[www.ashrae.org/hotclimates](http://www.ashrae.org/hotclimates)

*Papers focused on arid and humid hot climates.*

Organized by:



Qatar Environment & Energy  
Research Institute

*Member of Qatar Foundation*

ASHRAE Qatar Oryx Chapter

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## High Performance Buildings Conference

April 7-8, 2014 | San Francisco, Calif.

[www.hpbmagazine.org/hpb2014](http://www.hpbmagazine.org/hpb2014)

*State-of-the-industry presentations*



## Efficient, High Performance Buildings for Developing Economies

April 24-25, 2014 | Manila, Philippines

[www.ashrae.org/Developing2014](http://www.ashrae.org/Developing2014)

*First ASHRAE conference on this topic.*

Organized by:



Co-sponsor:



Endorsed by:



## ASHRAE 2014 Annual Conference

June 28-July 2, 2014 | Seattle, Wash.

[www.ashrae.org/seattle](http://www.ashrae.org/seattle)

*2nd Annual Research Summit presented.*

## 2014 ASHRAE/IBPSA-USA Building Simulation Conference

Sept. 10-12, 2014 | Atlanta, Ga.

[www.ashrae.org/Simulation2014](http://www.ashrae.org/Simulation2014)

*Single collaboration of Energy Modeling and SimBuild Conferences.*

Organized by:



Get Updated on Current Trends and Make Industry Connections at an ASHRAE Conference!

[www.ashrae.org/conferences](http://www.ashrae.org/conferences)





# Buildings in Balance: *IEQ and Energy Efficiency*

April 17, 2014 | 1:00PM–4:00PM EDT

## Presenters



2013–14 ASHRAE President  
William P. "Bill" Bahnfleth, Ph.D.,  
P.E., Fellow ASHRAE, ASME Fellow



James W. Bochat, LEED-AP, NEBB Cx,  
NEBB TAB



Tim McGinn, PEng., LEED



Jerry M. Sipes, Ph.D., P.E.

This webcast will feature industry experts who will identify the link between energy efficiency and Indoor Environmental Quality (IEQ) through the integrated design process. Viewers will be able to recognize the importance of the four cornerstones of IEQ and how system selection can benefit both energy efficiency and IEQ.

## EARN PDHs!

Attend this FREE webcast program and you may be awarded three Professional Development Hours (PDHs) or three AIA Learning Units (LUs).

[www.ashrae.org/ieqwebcast](http://www.ashrae.org/ieqwebcast)

