



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

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

New Day, New Time!

**February Meeting with AIA on Tuesday, February 7
3—6 PM**

ANSI/ASHRAE/USGBC/IES Standard 189.1: Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

Merle F. McBride, Ph.D., P.E.
Senior research Associate, Owens Corning Center of Science and Technology
More details on Page 12!

3-4:15—Presentation, Part 1
4:15-4:45—Break with hors d'ourves and beverages
4:45-6:00—Presentation, Part 2

Members and local student members: FREE
Student ASHRAE members: \$10
Non-members: \$20

AIA-approved PDH!

Engineer's Club of Dayton
110 East Monument Avenue

**RSVP: By Friday, February 3, 2012 to Jeremy Fauber at
jpfauber@heapy.com or 224-0861**

COMING EVENTS:

- ◆ **Dayton ASHRAE BOG Meeting — February 16, 2012
8 AM Heapy Engineering**
- ◆ **March Dinner Meeting and Tour at Milton-Union Schools—
March 12, 2012**

ASHRAE

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President's Monthly Brief:



I'd like to thank all the members who came out to the ASHRAE Holiday Dinner. [Click here](#) to see photos from the event! Tom Ferdelman captured to comments of our host on the history of the facility – look for that next month when “HISTORY” returns!

For everyone that made it to Chicago, this year was the largest ever conference and expo. We couldn't have asked for milder weather in January! This month we will have our meeting on a different day than usual. We are joining with Dayton AIA and mixing it up a bit. Look for more information in the newsletter. Don't forget to RSVP!

We are halfway through the year and next month we will be touring the new Milton-Union school. Come out to see a variety of sustainable technologies at work! Don't forget to save the date for our golf outing on May 10th at Heatherwoode in Springboro!

A big thanks goes out to Denny Lammlein and Emerson in Sidney. Every year Denny works very hard to secure research dollars for ASHRAE and we are very fortunate to have great companies in our area! Emerson and Waibel Energy Systems have given! Show your ASHRAE leadership and get in touch with Denny about donating!

ASHRAE is getting an all new look. President Jarnagin unveiled the new logo at the Winter meeting. See his letter to the membership on page 3 for the exciting changes coming to ASHRAE!

As always, we can't do it without you. Consider stepping up and volunteering for a n open officer or committee position next year. For just a few hours a month you can make a difference to the industry that supports you and your family. Call one of the Board members (listed to the left) or come to any Board meeting, 3rd Tuesday of each month at 8 AM at Heapy Engineering.

Happy Holidays from Steve Meier, President, Dayton ASHRAE

Look for Dayton ASHRAE History next month!



The Student Zone

Check it out on page 6!



Research Promotion Notes:
If you don't see your name on the Honor Roll on page 4, we do not have your ASHRAE Research Contribution yet for this chapter year. Use the form on page 9 to send in your contribution today!



Shaping Tomorrow's
Built Environment Today

My fellow ASHRAE members,

I have some exciting news to share regarding a rebranding of our great Society. For more than 100 years, ASHRAE has provided guidance for HVAC&R. As time and technology have changed, so has ASHRAE, moving from focusing solely on HVAC&R to providing guidance for total building design, reconstruction, construction and operation.

In recognition of this evolution, ASHRAE is making some changes regarding how we brand the Society. Our promise for sustainability encourages us to improve the quality in the built environment while leaving a lasting legacy for future generations. The new ASHRAE brand supports our focus on improving engineering standards and our market position as a community of engineers and related professionals united by knowledge, mission and a code of ethics to design, construct and operate better places for people to live, work and play.

First, and most visible, is a refreshing of the ASHRAE logo. Market research showed us that the logo had a dated brand presence (the logo was created in 1959 to recognize the merger between The American Society of Refrigerating Engineers and the American Society of Heating and Ventilating Engineers) and that we needed a more modern look that fully reflects the evolving structure of the Society and our aspirations. Along with this logo, we have created an [ASHRAE Logo Guide document](#) to ensure that we maintain a consistent brand image.

In addition, we have created a tagline to help explain to outside audiences the expanded role of ASHRAE in the world around us. "Shaping Tomorrow's Built Environment Today" presents ASHRAE as the dynamic and innovative Society it is today and promises our members, the industry and the world that whatever the future brings in the built community, ASHRAE will be at the forefront for research and guidance.

Lastly, we are doing business as "ASHRAE" vs. using our full legal name of the American Society of Heating, Refrigerating and Air-Conditioning Engineers. Use of ASHRAE reflects our global membership and that our services will continue evolving globally.

In addition, the rebranding coincides with a redesign of ASHRAE.org. With this redesign comes better navigation, a better search engine and better tracking, all of which will help you find the information you need whether it's for your role in the industry or ASHRAE.

An announcement regarding the rebranding was made today at the Society's 2012 Winter Conference being held in Chicago. We also shared an inspirational video with the audience that tells the story of ASHRAE. You can view the video [here](#).

Following the Conference, we will provide additional guidance and information for our grassroots regions, chapters and student branches on how this change impacts how these groups conduct business. In addition, we have created a [Frequently Asked Questions document](#) that provides answers to some of the questions you may have.

This is an exciting time for our Society! I look forward to working with you and our more than 52,000 members around the world to shape tomorrow's built environment today.

Thank you.

A handwritten signature in black ink that reads "Ronald E. Jarnagin".

Ron Jarnagin
2011-12 ASHRAE President

Research Promotion Honor Roll 2011-12

Corporations

PLATINUM (\$1000 or more)

Emerson Climate Technologies

GOLD (\$500 or more)

Waibel Energy Systems

SILVER (\$250 or more)

Controlled Air, Inc.

BRONZE (\$150 or more)

Allied Supply Company, Inc.—Dayton

Individuals

HONORS (\$100 or more)

Jeremy Fauber

Tom Ferdelman

Jason Gillespie

Lorraine Kapka

Kyle Kurtz

Dennis Lammlein

Steven Meier

John Patterson

Richard Pavlak

Jake Taylor

DAYTON ASHRAE

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).

The Student Zone

Dayton ASHRAE Announces New Student Membership Program:

ASHRAE Student Membership: CHECK

Dayton ASHRAE Student Membership: Huh?

Dayton ASHRAE currently sponsors student ASHRAE members at local meetings for only \$10 a meeting. Sign up for a Dayton student membership for \$20 and come to the next 4 meetings free (that is a “Black Friday” special price of only \$5 per meeting). Email Larraine.kapka@sinclair.edu for a student membership form or make reservations for the next meeting and pay the membership fee at the door!

Pay now—save later!

University of Dayton Student Chapter has new President!

Dustin Pohlman can be reached at pohlmand3@udayton.edu. Drop him a line of congratulations. Dustin—hope to see you at our next meeting!



Dayton ASHRAE Needs You!

Wanted: Individual to work with current Research Promotion Chair (Dennis Lammlein) with the goal of becoming RP Chair in the future.

Qualifications: Willingness to talk to members about contributing to ASHRAE Research.

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 Steve Meier (smeier@watkem.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

2011-2012 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

December 14, 2011



ASHRAE Announces Redesigned Website

Improved Navigation

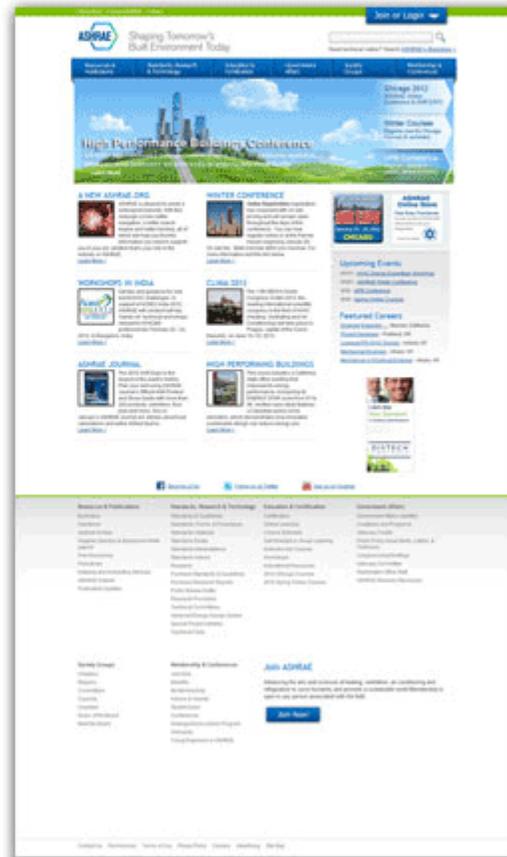
ASHRAE.org's new navigation is streamlined into six relevant and visible sections. A persistent large footer keeps useful information at your fingertips no matter what page you're on.

Enhanced Search

Powered by Google technology, the search feature allows you to refine your results by section to help you find the specific items you're looking for faster and with more accurate results.

Easier-to-Use

The redesigned site will help you find the information you need to support you in your job, whether that's your role in the industry or ASHRAE.



www.ASHRAE.org



The Official Jobs Board for the American Society of Heating, Refrigerating and Air-Conditioning Engineers

Welcome to ASHRAEJobs.com

Your source for HVACR Engineering Careers

ASHRAE jobs





Dayton Chapter ASHRAE

<http://www.daytonashrae.org>

Membership Application and Roster Information 2011 - 2012

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!

February Speaker Bio, Presentation Summary and AIA Learning Objectives

Merle F. McBride, Ph.D., P.E., Senior Research Associate, has been at the Owens Corning Center of Science and Technology for 36 years. He received his degrees in Mechanical Engineering from The Ohio State University and is a registered professional engineer in Ohio. His technical focus has been on the energy performance of residential and commercial buildings which he has used in the development of U.S. energy codes and standards. Dr. McBride has been an active member in ASHRAE at the national level since 1976, has served on several Technical Committees, was a contributing author to handbook chapters and served ten years on the Standards Committee. His current committee appointments include: Standards 90.1, 90.2 Chairman and 189.1. He has been on all ten of the ASHRAE Advanced Energy Design Guide committees. Dr. McBride has 50 technical publications, was awarded two U.S. patents, and received multiple awards from ASHRAE and industry.

ANSI/ASHRAE/USGBC/IES Standard 189.1: Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

ASHRAE Standard 189.1-2009 was developed as a collaborative effort with representatives from ASHRAE, USGBC and IES. It was written in code language and contains the minimum acceptable criteria for high-performance green buildings. The standard covers six broad categories: Site Sustainability, Water Use Efficiency, Energy Efficiency, Indoor Environmental Quality, Building's Impact on the Atmosphere, Materials, and Resources, and Construction and Plans for Operation. Each category contains a statement of scope, compliance paths, mandatory provisions, prescriptive option and a performance option. The standard was updated and published as Std. 189.1- 2011 with 20 new addenda. This overview will help you understand the new requirements, how they impact your business, and highlight what technical expertise, skills and knowledge will be needed to apply this standard.

AIA Learning Objectives

After attending this session a participant should be able to:

- 1 - Define the key concepts contained in Standard 189.1 within each of the main topical areas of sites, water, energy, IEQ, materials and operation.
- 2 – Describe the mandatory provisions of Standard 189.1 to increase awareness of the intent of the standard.
- 3 - Identify the two compliance path options (Prescriptive and Performance) and their associated provisions in Standard 189.1.
- 4 - Apply the principles of Std. 189.1 to improve the design of high performance buildings.

April 19, 2012 1:00 PM-4:00 PM EDT

Dedicated Outdoor Air Systems: *A Path to Balancing Energy and IEQ*

Hear leading experts discuss the role of Dedicated Outdoor Air Systems in the overall HVAC system and describe various DOAS equipment configurations, characteristics, and applications. This webcast will identify common design and operational pitfalls, and cover challenges unique to DOAS.



Presenters



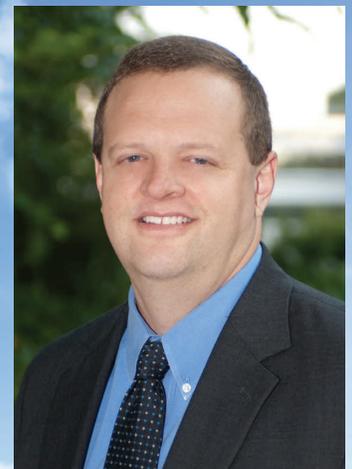
**Ron Jarnigan, 2011-12
ASHRAE President**
Staff scientist | Pacific North-
west National Laboratory |
Richland, WA



Tim McGinn, P.E., LEED AP
Principal | Dialog | Calgary, AB,
Canada



Stan Mumma, Ph.D., P.E.
Professor Emeritus | Pennsylvania
State University | University Park, PA



John Murphy, LEED AP
Applications Engineer | Trane |
La Crosse, WI

How to Participate

- You may register to view the Webcast on your PC
- You may host a webcast viewing site for your colleagues
- View the webcast at a site

PDH Credits

Three (3) Professional Development Hours (PDHs) or three (3) AIA Learning Units may be awarded to viewers who complete the "Participant Reaction Form" by May 3, 2012.

Sponsored by:



Brought to you by the ASHRAE Chapter Technology Transfer Committee

For more information about the program, presenters, continuing education credits, sponsorships, and DOAS resources please visit us at www.ashrae.org/doaswebcast

ASHRAE Learning Institute 2012 Spring Online Course Series

2 WAYS TO REGISTER

Internet: www.ashrae.org/onlinecourses

Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Note: You may register up to 24 hours prior to an online course. Courses are in US Eastern Standard Time.



District Cooling & Heating Systems

Mon, March 19, 2012 – 1:00 pm to 4:00 pm ET

Basics of Combined Heat & Power

Wed, March 21, 2012 – 1:00 pm to 4:00 pm ET

Evaluating the Performance of LEED®-Certified Buildings

Wed, March 28, 2012 – 1:00 pm to 4:00 pm ET

Commissioning Process & Guideline 0

Wed, April 4, 2012 – 1:00 pm to 4:00 pm ET

* Complying with Standard 90.1-2010: HVAC/Mechanical

Mon, April 9, 2012 – 1:00 pm to 4:00 pm ET

* Complying with Standard 90.1-2010: Envelope/Lighting

Wed, April 11, 2012 – 1:00 pm to 4:00 pm ET

* Take both Standard 90.1 courses and save 20% on the price of these courses



The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/DPH credits. Archiving is available.

Humidity Control: Principles and Applications – Part 1

Mon, March 26, 2012 – 1:00 pm to 4:00 pm ET

Humidity Control: Principles and Applications – Part 2

Mon, April 2, 2012 – 1:00 pm to 4:00 pm ET

Implementing ASHRAE Standard 189.1-2009 – Part 1

Mon, April 16, 2012 – 1:00 pm to 4:00 pm ET

Implementing ASHRAE Standard 189.1-2009 – Part 2

Thurs, April 19, 2012 – 1:00 pm to 4:00 pm ET

Integrated Building Design – Part 1

Mon, April 23, 2012 – 1:00 pm to 4:00 pm ET

Integrated Building Design – Part 2

Wed, April 25, 2012 – 1:00 pm to 4:00 pm ET

ASHRAE HVAC Design Workshops

2 Workshops, 5 Days of Intense Instruction

May 21-25, 2012 • ASHRAE Foundation Learning Center • Atlanta, GA

HVAC Design: Level I – Essentials

May 21-23, 2012

ASHRAE's HVAC Design: Level I - Essentials workshop provides intensive, practical education for designers and others involved in delivery of HVAC services. Developed by industry-leading professionals, the workshop provides participants with training design to accelerate their evolution into effective member on a design, construction or facilities maintenance team. Gain the fundamentals and technical aspects to design, install and maintain HVAC systems.

HVAC Design: Level II – Applications

May 24-25, 2012

ASHRAE's HVAC Design: Level II - Applications workshop provides advanced instruction on HVAC system designs for experienced HVAC designers or those who completed the HVAC Design: Level I Essentials workshop. Gain an understanding of system design incorporating the application of Standards 55, 62.1, 90.1 and 189.1.

Creating Effective, Highly Skilled Engineering Team Members

- Gain knowledge to make immediate contributions to design projects
- Participate in in-depth, practice-focused training
- Learn from industry leaders selected by ASHRAE
- Receive free bonus resources valued at over \$200

Attendees of the HVAC Design Workshops can earn continuing education credits. Contact the relevant governing body for more information.



Visit www.ashrae.org/hvacdesign to register

ASHRAE Certification Programs

- Building Energy Assessment Professional (BEAP)
- Building Energy Modeling Professional (BEMP)
- Commissioning Process Management Professional (CPMP)
- Healthcare Facility Design Professional (HFDP)
- High-Performance Building Design Professional (HBDP)
- Operations & Performance Management Professional (OPMP)

For more info, visit
www.ashrae.org/certification