



Dayton Chapter

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

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

# ASHRAE Webcast

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

**Heapy Engineering**

1400 West Dorothy Lane

12:45 PM—Sign-in

1:00 PM—4:00 PM—Webcast

NO CHARGE, but reservations  
appreciated!

**3 AIA LUS**

**3 PDHS**

RSVP by Wednesday, April 18, 2012 to Jeremy Fauber at  
[jpfauber@heapy.com](mailto:jpfauber@heapy.com) or 224-0861

### COMING EVENTS:

- ◆ April 19 Board Meeting at Heapy Engineering, 8 AM
- ◆ April 19—DOAS Webcast, Heapy Engineering 1-4 PM
- ◆ May 10—Golf at Heatherwoode, 1:30 start, 6:30 Dinner

# ASHRAE

## 2011-2012 OFFICERS

### President

Steven N. Meier 573-3072  
Wat-Kem Mechanical  
[smeier@watkem.com](mailto:smeier@watkem.com)

### President-Elect

Jason Gillespie 313-8843  
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[jasondavidgillespie@gmail.com](mailto:jasondavidgillespie@gmail.com)

### Treasurer

Kyle Kurtz 264-4343  
Waibel Energy Systems  
[Kyle.kurtz@trane.com](mailto:Kyle.kurtz@trane.com)

### Secretary

Jake Taylor 224-0861  
Heapy Engineering  
[jtaylor@heapy.com](mailto:jtaylor@heapy.com)

### Past President

Rick Pavlak 224-0861  
Heapy Engineering  
[rpavlak@heapy.com](mailto:rpavlak@heapy.com)

### Committee Chairs

#### Membership

Greg Cohron 513-673-6664  
Ramsay-Cohron  
[gcohron@rcme.com](mailto:gcohron@rcme.com)

#### History

Tom Ferdelman 224-0861  
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#### Newsletter Editor

Lorraine Kapka 512-4501  
Sinclair Community College  
[Lorraine.kapka@sinclair.edu](mailto:Lorraine.kapka@sinclair.edu)

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Dennis Lammlein 886-9178  
[dlammlein@woh.rr.com](mailto:dlammlein@woh.rr.com)

#### Student Activities

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#### CTTC

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Heapy Engineering  
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#### Webmaster

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### Board of Governors

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[jfauber@heapy.com](mailto:jfauber@heapy.com)  
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Lorraine Kapka 512-4501  
Sinclair Community College  
[Lorraine.Kapka@Sinclair.edu](mailto:Lorraine.Kapka@Sinclair.edu)

## President's Monthly Brief:

At first I didn't know if we were going to have a Spring but I think Mother Nature may give us one... The warm days make us yearn for the golf course. More on that later...



A big thanks goes out to Dave and the group at Waibel Energy Systems for hosting the dinner and presentation in March. We toured the new Milton-Union school and learned about their sustainable design using ice tanks, solar thermal, wind among others. Rick Pavlak of Heapy gave a great overview of the mechanical systems followed by the tour of the school by Michael Huff of Ruetschle Architects. Thanks to all for a great meeting!

On April 19<sup>th</sup> from 1-4 pm, ASHRAE will host a Dedicated Outdoor Air System web-cast. This is a once a year event that is always led by the best and brightest that ASHRAE puts together. The Chapter is going to host this at Heapy Engineering. As always see more information later in the newsletter.

Look no further for all the information you need for the 2012 ASHRAE Golf Outing. This year should be a great event as we welcome new event coordination Kerry Ward under the guidance of our very own Frank Mauro. This team is pulling together what should be the best year for ASHRAE Research donations, scholarships and also all around fun on the golf course.


We had a great April presentation from Emerson on what is going on in the world of digital compressors and alternate refrigerants.

Incoming President Jason Gillespie is busy putting together next year's program – please send him any ideas at [jasondavidgillespie@gmail.com](mailto:jasondavidgillespie@gmail.com). Remember – we can only schedule the programs you want if you tell us what they are!

Have a great Spring –see you at the Webcast and on the links!

Steve Meier, Dayton ASHRAE President

**News Flash: Tom Ferdelman will receive ASHRAE's 50 Year Distinguished Service Award at the Annual Meeting!**



# The Student Zone

**Check it out on page 5!**



**Research Promotion Notes:**  
**If you don't see your name on the Honor Roll on page 3, 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!** **\$10,504.65 to date!**



# *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*

*Larraine Kapka*

*Kyle Kurtz*

*Dennis Lammlein*

*Frank Mauro*

*James McCabe*

*Steven Meier*

*John Patterson*

*Richard Pavlak*

*Jake Taylor*

*HONORABLE MENTION*

*Tom Monning*

**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](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 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

The Dayton Chapter awarded  
\$500 scholarships to:

**Frank Brewster**

**Scott Weaver**

Frank, a recent Sinclair HVAC graduate who works at Rieck will be continuing his HVAC education on-line at Ferris State University.

Scott, who works at KLH, will be completing his 2-year HVAC degree at Sinclair Community College.

Congratulations to both of these deserving young men. We hope to see them active in our Dayton Chapter soon!



# 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](mailto: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](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 Steve Meier at:  
[smeier@watkem.com](mailto: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](mailto:jscott@ashrae.org)

March 27, 2012

## Public Input Sought on Alternative to ASHRAE Standard 62.1 Ventilation Rate Procedure Proposed

ATLANTA – A proposed change to the ventilation rate procedure in ASHRAE's indoor air quality standard is open for review after changes were made based on public input last year. ANSI/ASHRAE Standard 62.1-2010, Ventilation for Acceptable Indoor Air Quality, sets minimum ventilation rates and other requirements for commercial and institutional buildings.

The ventilation rate procedure provides a prescriptive method for determining minimum ventilation requirements. It accounts for pollutant sources from both the building and its occupants, and allows the designer to account for the efficiency of different ventilation systems when delivering outdoor air to the breathing zone. Proposed addendum f was first released for public comment in September 2011 after some users of Standard 62.1 indicated the ventilation rate procedure was "too complicated," according to Standard 62.1 chair Roger Hedrick. He said the 62.1 committee agreed that application of the multiple-zone recirculating system equations described in Section 6.2.5 and Appendix A can be complex. "When designing multiple zone recirculating ventilation systems, Table 6-3 provides a default value of Ventilation Efficiency (Ev) based on the largest value of the zone primary (Zp) outdoor air fraction, for all the zones served by the system," he said. "However, if Max (Zp) exceeds 0.55, then Appendix A must be used to design the system outdoor airflow. Addendum f attempts to simplify the design process by providing a simplified default approach for cases with Max (Zp) greater than 0.55." The earlier review draft set the default value of the zone primary outdoor air fraction based on a default minimum zone primary airflow set as 30 percent of the zone design primary airflow.

"The public review comments pointed out that this formulation did not work mathematically under certain conditions," Hedrick said. "This new public review version instead simply allows Ev to be set to 0.6, unless a higher value is provided by Table 6-3 or by using Appendix A. Use of a relatively low value of Ev will result in higher outdoor airflow rates, but using the default will simplify the system design process." Also open for review is addendum i, which would add limits for low humidity. Recent studies have shown that excessively low humidity may result in unacceptable indoor air quality. The Standard 62.1 committee is interested in the appropriateness of the relative humidity limit and the climate zones where the requirement applies. The addendum is open for an advisory public review, meaning comments received allow for constructive input and need not be resolved or formally acted on by the project committee. In addition to addenda f and i, three additional addenda are open for public review from March 23 until April 22. For more information, visit [www.ashrae.org/publicreviews](http://www.ashrae.org/publicreviews). They are:

- Addendum h –Table 6-1, includes ventilation rates for "Sports arena (play area)" and "Gym, stadium (play area)." Both space types have ventilation rates based on floor area only, the per person rate is zero. Users of the standard have expressed interest in applying demand controlled ventilation to these space types, which is effectively prohibited by the lack of a per person component to the ventilation rate. This proposed addendum replaces both of these space types with "Gym, Sports Arena (play area)", with  $R_p = 20$  cfm/person and  $R_a = 0.06$  cfm/ft<sup>2</sup> and assigns this new space type with an air class of 2 rather than class 1 from the first publication public review version.
- Addendum k adds an exception to the recirculation limits on Class 4 exhaust airstreams from laboratory hoods which would allow use of heat wheel energy recovery in some cases. The exception defines several criteria which the airstream must meet before such heat recovery can be used, and the heat recovery system must limit recirculation airflow to less than 0.5 percent of the outdoor air intake flow.
- Addendum l adds a refrigerated warehouse space type to Table 6-1, providing revised ventilation rates for these spaces. These rates include a "People Outdoor Air Rate,  $R_p$ " which will require ventilation during periods of expected occupancy, but do not include an "Area Outdoor Air Rate,  $R_a$ " which will allow the ventilation rate to be zero for refrigerated warehouses with no occupants.

In addition, addendum j is open for public review from March 23 until May 7. The proposed addendum would add requirements to the Indoor Air Quality Procedure (IAQP) for determining minimum ventilation rates which require consideration of the combined effects of multiple contaminants of concern on individual organ systems. This "additive" effect is already implicit in the Ventilation Rate Procedure. This proposed change is intended to improve the IAQP by requiring consideration of these additive effects that are well established in the literature for many organ systems, according to Hedrick.

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.

The Only Specialty  
Jobs Board for  
HVACR Engineers



Jobs

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





# 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!**



*Join Us!*  
*May 10, 2012*



## **ASHRAE GOLF OUTING**

**Heatherwood Golf Course**

**Springboro, Ohio**

**Shotgun Start @ 1:30 PM**

**Dinner is at 6:30 PM**

**Don't Miss Out - Sign Up Now!**

**Before May 1, 2012**

**Dinner and Golf \$100 per Player**

**Dinner Only \$25 per Person**

**After May 1st**

**Dinner and Golf \$110 per Player**

**Dinner Only \$30 per Person**

**RSVP Attached Sign Up Sheet to:**

**Kerry Ward [kerryward@habegger.com)**

**Reminder: Proceeds go to  
ASHRAE'S Research Program & Scholarship Program**



# ASHRAE GOLF OUTING MAY 10, 2012



## RESERVATIONS:

### EMAIL TO:

**Kerry Ward at the Habegger Corporation**  
[kerryward@habeggercorp.com](mailto:kerryward@habeggercorp.com)

or

### MAIL TO:

Kerry Ward  
The Habegger Corporation  
632 E. First Street  
Dayton, OH 45402

### Golf and Dinner:

#1 \_\_\_\_\_ #2 \_\_\_\_\_

#3 \_\_\_\_\_ #4 \_\_\_\_\_

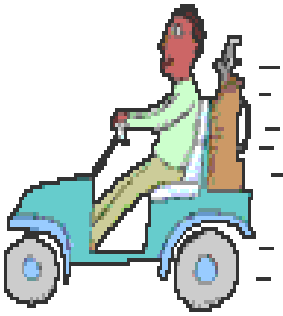
### Dinner Only:

#1 \_\_\_\_\_

#2 \_\_\_\_\_

#3 \_\_\_\_\_

#4 \_\_\_\_\_



# ASHRAE GOLF OUTING

May 10, 2012

Hole Sponsorship

Email to: Kerry Ward

[kerryward@habeggercorp.com](mailto:kerryward@habeggercorp.com)



**MAIL TO:**

Kerry Ward

The Habegger Corporation

632 E. First Street

Dayton, OH 45402

**Hole Sponsorship: \$100.00**

**Your Company Name on a sign at a Hole**

Company Name \_\_\_\_\_

Name \_\_\_\_\_

**Door Prize Donations: Suggestions: Golf Balls: Golf Hats: Golf Jacket /  
Shirt: Gift Certificates: Other**

(Prize---) \_\_\_\_\_

**SPONSORSHIPS:**

If you would like to provide the following Sponsorships, contact Kerry Ward for details:

[kerryward@habeggercorp.com](mailto:kerryward@habeggercorp.com)

(937) 853-1303 or Cell Phone: (937) 673-1413

- ◆ Drinks on the Course
- ◆ Lunch for the participants



**All Sponsors recognized in the program distributed to all participants!**



**2012 Annual Golf Outing**  
**Wednesday, June 27, 2012 – 8:00 A.M.**  
**Dayton Country Club**  
**555 Kramer Rd– Dayton, Ohio 45419**



Come join the Dayton Chapter of IFMA for a fun filled day of golf at Dayton's finest private golf course. As with all of Dayton IFMA's golf events the costs are kept at a minimum to allow everyone the opportunity to socialize with your fellow peers and the chapters' vendors and sponsors.

Since 1897 Dayton Country Club has offered an extraordinary private country club experience with unrivaled amenities. Their spectacular 18-hole Donald Ross designed golf course has incredible views and is a pleasure to play yet a challenge for golfers of every skill level.



**For More Information or to register on-line for this event go to:**  
**[www.dayton-ifma.com](http://www.dayton-ifma.com)**

**Cost**

**\$80 per person**  
**\$320 foursome**

**Only a Limited Number of  
Sponsorship Opportunities Available**  
**Sponsorship Opportunities**

Meal Sponsorship: \$400.00: Only Three Available  
Beverage Sponsorship: \$250.00: Only Two Available  
Tee Box Sponsorship: \$200.00  
Golf Cart Sponsorship: \$100.0

**Event Itinerary**

Registration: 7:00 AM  
Shotgun Start: 8:00 AM  
Lunch: 1:30 PM



*Do you have questions that we can answer in the next ASHRAE Society Update? Send an email to [kfulcher@ashrae.org](mailto:kfulcher@ashrae.org) and your question will be forwarded on to staff.*

## **New Changes to Members Council**

During the 2011 fall meeting in Atlanta, a motion was approved to remove the Director and Regional Chairs (DRCs) as members of Members Council and to have them sit on the Board of Directors only. The DRCs will be replaced by a new position from each region called the Region Members Council Representative. Pending approval by the membership for an ASHRAE Bylaws change, this will become effective July 1, 2013.

## **New Insurance Coverage for Chapters**

The Manual for Chapter Operations (MCO), Section 4.6 was updated to include a section for ASHRAE Chapter Event Insurance. This coverage is provided at the chapter's expense to cover sporting events such as racing, skiing, firearms, boating, mechanical bulls and other activities. See the MCO for full details or visit the ASHRAE website <http://www.ashrae.org/society-groups/chapters/Manual-for-Chapter-Operations> and click on the link under "MCO Bookmarked Sections and Appendices."

## **New Member Benefit**

Beginning July 1, 2011, the decision was made to provide a complimentary 12-month subscription to ASHRAE Handbook Online to all new Members and Associates with an election date of July 1, 2011 and onward, since they will not receive their print or CD Handbook until June, 2012. The new members and associates will receive an email message with

instructions on how to access their complimentary Handbook Online subscription. This is a one-time benefit for new members, and at the end of their subscription, they will be prompted to renew the Handbook Online at the \$49 member rate.

## **Two chapter Resources are available online:**

### **Centralized Training for MP:**

<http://www.ashrae.org/society-groups/committees/membership-promotion-centralized-training>

### **Membership Promotion Blog**

Visit our blog for training and resources - provide feedback as well!

<http://ashraemptraining.wordpress.com/>

## **Airmail Only \$10 (USD)**

Members outside the United States will be happy to learn Airmail delivery of the ASHRAE Journal is now only \$10. ASHRAE encourages all members outside the U.S. to select this option on their membership renewal to ensure faster delivery of the industry's leading magazine, ASHRAE Journal. Click [here](#) to renew your membership.





**Leadership U participants at the Chicago Winter meeting.**

## Leadership U – San Antonio

Have you ever wondered what ASHRAE Officers do at the ASHRAE Winter & Annual Conferences? Here is your chance to find out! Through Leadership U (offered by the YEA Institute), a handful of YEA members are selected for each conference to be matched up with Society Officers and participate in all of their events and board meetings, including social activities. Leadership U not only allows you to experience a conference like an Officer, but it is also a great opportunity to network and form connections with those active in ASHRAE.

If selected to participate in Leadership U, the costs of attending the Conference (transportation, lodging and registration) will be covered by ASHRAE. In addition, those selected will document their experiences and share them with the YEA Committee, their chapter and their region.

Submit your application today! All applications must be received by the close of business **April 16, 2012**. To learn more about this opportunity or if you have any questions, visit [www.ashrae.org/yea](http://www.ashrae.org/yea).

## HVAC Design Essentials Workshop Scholarship

Presented by the ASHRAE Learning Institute, the three-day HVAC Design Essentials Workshop allows attendees to focus on both the fundamental and technical aspects of HVAC design in commercial buildings, providing practical strategies for HVAC

designers and others involved in delivery of HVAC services. The next HVAC Design Essential Workshop will be held May 21-23, 2012 at ASHRAE Headquarters, Foundation Learning Center.

To encourage attendance by young professional ASHRAE members, the YEA Institute offers one full scholarship for attendance to the HVAC Design Essentials Workshop (Level I of the workshop only). The full cost of registration to Level I of the workshop will be covered by ASHRAE.

If you have an interest in attending this workshop, this scholarship is the perfect opportunity for you. All applications must be received by the close of business **April 9, 2012**.

## RP Chairs- Visit the RP Blog

Messages to donors, non-donors, reminders, graphics, and articles about Research are available at the RP blog (<http://ashraerp.wordpress.com/>)

## CRCS Set For Spring 2012

### Region VI - May 3 – 6

Minnesota Minneapolis, MN

Visit the website –

<http://ashrae6.blogspot.com/>

### Region VIII - April 26 – 28

Northeastern Oklahoma Tulsa, OK

Visit the website -

<http://region8.ashraeregions.org/crc.htm>

### Region XI - May 10 - 12

Manitoba Winnipeg, MB

Visit the website-

<http://region11.ashraeregions.org/>

Please contact Vickie Grant at ASHRAE Headquarters for questions or to request more information about CRCs.

## Registration Open for ASHRAE Dedicated Outdoor Air Systems Webcast!

Registration is now open at [www.ashrae.org/doaswebcast](http://www.ashrae.org/doaswebcast) for the April 19, 2012 Webcast, "Dedicated Outdoor Air Systems – A Path to Balancing Energy and IEQ." This free webcast is being brought to you by ASHRAE's Chapter Technology Transfer Committee with support from Valent Air Management Systems, Rotor Source, Inc., Engineered Air, Munters, and Heat Pipe Technology.

### Webcast Archive Available!

If you are unable to participate in the live webcast, the program replay will be archived online until May 3, 2012. Registration will be necessary to view the archived program. The webcast presenters are:

Ron Jarnagin ASHRAE President 2011-12, Staff Scientist Pacific Northwest Laboratory Richland, WA

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

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

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

There is no fee for registration. To register and learn about the webcast program, continuing education credits, and ASHRAE dedicated outdoor air systems resources, visit [www.ashrae.org/doaswebcast](http://www.ashrae.org/doaswebcast). If you have questions about the webcast, call 678-539-1200 or email [ashrae-webcast@ashrae.org](mailto:ashrae-webcast@ashrae.org)

## Modeling for a Sustainable Future

ASHRAE seeks to advance the industry's ability to more accurately model and simulate a building's energy use.

Building on the successful Energy Modeling Conference format in April 2011, this conference will begin with an interactive session with modeling software developers presenting common modeling scenarios on how their specific software can model a scenario, whether there are any limitations and what might be the best work around and exceptional modeling practices to obtain acceptable results when the tool cannot model the scenario "out-of-the-box".

Click here for the [Conference Announcement and Call for Presenters](#)



***ASHRAE conferences provide great opportunities  
for knowledge sharing and networking.***

**From:** [foundation@ashrae.org](mailto:foundation@ashrae.org)  
**To:** [Kapka, Lorraine](#)  
**Subject:** ASHRAE Foundation Newsletter  
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Vol. 3 Issue 3

#### Creating a Legacy

Would you like to make a gift of cash or securities to ASHRAE Foundation while retaining needed income for yourself and your loved ones? ASHRAE Foundation offers gift-planning services to all ASHRAE members and can help you create a gift annuity contract to support the work of ASHRAE.

#### Increase Your Income and Make a Gift to ASHRAE

Gift annuities are rewarding and simple to arrange. You make an irrevocable contribution of cash or securities and may claim a one-time charitable deduction for part of your gift. In exchange, you will receive quarterly payments for life, guaranteed. One or two people-you and your spouse, for example-may be named as income recipients. Payments are fixed and the amount of your payment depends on the ages of the annuitants. When you die, the balance of your gift principal is distributed to support the work of the ASHRAE Foundation. ♦



#### Use Appreciated Property to Increase your Benefits

Gift annuities are a great way to give appreciated securities because part or all of the capital gains tax may be excused, and the remainder distributed over a period determined by life expectancy. You may be able to generate a larger income stream from low-yielding assets, and you will create a wonderful legacy for ASHRAE Foundation.

#### What will your payments be?

You can visit the ASHRAE Foundation web site to compute your benefits using our online calculator. ♦  
<http://foundation.ashrae.biz/gift.html>

We can provide a personalized example of how a gift annuity could work in your particular situation. Contact Margaret Smith at ASHRAE Foundation via email at [msmith@ashrae.org](mailto:msmith@ashrae.org) or by calling 678-539-1201.

#### TAXATION: ♦

- Portion of the annuity payment initially is tax-free.
- Portion may be taxed as capital gain if funded with appreciated property.
- Balance of the payment is taxed as ordinary income.

**BENEFITS:**

- Fixed annual income for life.
- Tax deduction based on the value of the assets and annuity rate.
- Reduced capital gains tax.

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