



Dayton Chapter

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

Dayton Chapter

PO Box 3202 Dayton, OH 45401

<http://www.daytonashrae.org>

2012

Dayton

# Green EXPO

*August 2, 2012*

*11 AM - 5 PM*

Heapy Engineering Headquarters

1400 W. Dorothy Lane

Dayton, OH 45409

*More details on page 11*

## **COMING EVENTS:**

- ♦ July 19 Board Meeting at Heapy Engineering, 8 AM
- ♦ August 2 Green Expo at Heapy, 11 AM—5 PM
- ♦ August 10-11 Chapters Regional Conference, Cleveland, OH

# ASHRAE

## 2012-2013 OFFICERS

### President

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

### President-Elect

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

### Treasurer

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

### Secretary

Evan Nutt 264-4343  
Waibel Energy Systems  
[Evan.nutt@trane.com](mailto:Evan.nutt@trane.com)

### Past President

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

### Committee Chairs

#### Membership

James McCabe 614-562-2026  
MSD Engineering  
[jmccabe@msdinc.net](mailto:jmccabe@msdinc.net)

#### History

Tom Ferdelman 224-0861  
Heapy Engineering  
[tferdelman@ymail.com](mailto:tferdelman@ymail.com)

#### Newsletter Editor

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

#### Research Promotion

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

#### Student Activities

Russell Marcks 512-2053  
Sinclair College  
[Russell.marcks@sinclair.edu](mailto:Russell.marcks@sinclair.edu)

#### CTTC

Michael Kennedy 224-0861  
Heapy Engineering  
[mbkennedy@heapy.com](mailto:mbkennedy@heapy.com)

#### Webmaster

Russell Marcks 512-2053  
Sinclair College  
[Russell.marcks@sinclair.edu](mailto:Russell.marcks@sinclair.edu)

#### Board of Governors

Jeremy Fauber 224-0861  
Heapy Engineering  
[jpfauber@heapy.com](mailto:jpfauber@heapy.com)  
Rick Pavlak 224-0861  
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[rpavlak@heapy.com](mailto:rpavlak@heapy.com)  
Lorraine Kapka 512-4501  
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[Lorraine.Kapka@Sinclair.edu](mailto:Lorraine.Kapka@Sinclair.edu)



## A Note from the President:

Welcome to Dayton ASHRAE's 2012-2013 year! Allow me to introduce myself; I'm Jason Gillespie, Controls Specialist at Point to Point Systems. I originally joined the chapter in 2007 as a student and became active in the Board of Governors in 2009. I've met a lot of great people over the last five years and look forward to a fun and exciting term as President.

This year's ASHRAE Society President, Thomas, "Tom" Watson, has named his theme for the year: "Broadening ASHRAE's Horizons". This emphasizes the role of ASHRAE members as leaders in the application of sustainable design and practices in our communities worldwide. It encourages us, the members and the chapters, to reach out to our communities with the knowledge we've gained in the arena of sustainability.

As a reminder we have some exciting events coming up! August 2nd, Heapy Engineering hosts the 2012 Dayton Green Expo, featuring three seminars and many exhibitors! Also on the horizon, August 9-11, is the 2012 Region V Chapters Regional Conference in downtown Cleveland. In addition to all the exciting opportunities to learn there will be MANY opportunities for fun as well. Thursday there will be GOLF at Columbia Hills, registration is limited to 24 but as of Monday the 16th there are still plenty of spots open. Friday will see the opportunity to tour Key Tower and have a private dinner and tour at the Rock and Roll Hall of Fame! There will be plenty of workshops and technical meetings as well. If you're inclined to stay until Sunday many are trying to organize an outing to see the Indians play the Red Sox, an excellent opportunity to see Dayton area local Justin Masterson play ball! Go on, get registered and spend some time up by the lake! Visit <http://www.clevelandashrae.org/CRC> for more info.

I would also like to thank my Board of Governors, committee members and chairs for volunteering their time to help out the chapter. We are working on programming for the coming year, so if anyone has any suggestions for anything they would like to see or speakers they would like to hear, send me a message at [jgillespie@p2psystems.net](mailto:jgillespie@p2psystems.net). The coming year will present plenty of opportunities to get involved in the inner workings of your local ASHRAE chapter. I would encourage anyone that would like to help out to contact a board member to find out how they can help.

Jason Gillespie, Dayton ASHRAE President

## News Flash:

**Tom Ferdelman received ASHRAE's 50 Year Distinguished Service Award at the Annual Meeting!**



**Research Promotion Notes:**  
**Final Honor Roll on page 3. Don't see your name there? Make your contribution today for 2012 and be there all year!**

**Congratulations Dayton Chapter on new high!**



# ***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 5 for local opportunities or contact any Board member (listed on page 2).**



# 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 : [Larraine.Kapka@Sinclair.edu](mailto:Larraine.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 : [Larraine.Kapka@Sinclair.edu](mailto:Larraine.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)

# 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](mailto:jscott@ashrae.org)

July 3, 2012

## ASHRAE Announces Fall Online Courses

ATLANTA – A full slate of online courses touching on a range of built environment topics is being offered by ASHRAE this fall.

The 11 ASHRAE Learning Institute courses provide professional development through in-depth information that is timely, practical and targeted to provide engineers in consulting practices, facility management or supplier support with instruction on applying ASHRAE standards and employing new technologies essential for advanced building performance. The online courses allow attendees to learn from anywhere with an Internet connection. Course participants earn continuing education credits and qualify for Professional Development Hours for each course completed. Courses are instructor-led, drawing upon professional knowledge of leading practitioners.

The courses are:

- District Cooling and Heating Systems: Central Plants, Sept. 10
- The Commissioning Process and Guideline 0, The Commissioning Process (co-sponsored with the Building Commissioning Association, Illuminating Engineering Society and National Environmental Balancing Bureau), Sept. 24
- Basics of Air-to-Air Energy Recovery, Sept. 26
- Basics of High-Performance Building Design, Oct. 8
- Advanced High-Performance Building Design, Oct. 10
- Complying with ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings: HVAC/Mechanical, Oct. 15
- Complying with Standard 90.1-2010: Envelope/Lighting, Oct. 17
- Fundamental Requirements of ANSI/ASHRAE Standard 62.1-2010, Ventilation for Acceptable Indoor Air Quality, Oct. 22
- Energy Management in New and Existing Buildings, Oct. 24
- Energy Modeling Best Practices and Applications: HVAC/Thermal – Parts 1 and 2, Sept. 11 and 13
- Implementing ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings, Parts 1 and 2, Sept. 17 and 19

For registration costs and to register, visit [www.ashrae.org/onlinecourses](http://www.ashrae.org/onlinecourses). Site licenses are available to organizations that have five or more course participants. For more information, e-mail [edu@ashrae.org](mailto:edu@ashrae.org) or call 678-539-1146.

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](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!**

# Dayton ASHRAE Volunteers, 2011-2012

## Meetings:

Jeremy Fauber, Heapy – puts it all together  
Matt Rash, Mitsubishi – sponsored by Mark Rosenbeck, Allied Supply  
Darryl DeAngelis, Belimo  
Greg Cohron  
Jerry Laumann, Johnson Controls  
Tom Mastbaum, Solid Blend Technologies  
James Tauby, Mason Industries  
Mike Sneary, Kadant Johnson – sponsored by Jerry Tuckerman, Steffens Shultz  
Merle McBride, Owens Corning  
Mike Huff, Ruetschle Architects & Rick Pavlak, Heapy – sponsored by Dave Waibel  
Kirk Barrett, Vectren  
Stephanie Campbell, DP&L  
Matt Irons, Emerson  
Yolanda Evers, Heapy (single handedly put together the Holiday Dinner)



## Golf Outing

Kerry Ward, Habegger  
Frank Mauro, Heapy  
Eric Miske, EES  
Paul Brown, Rieck  
Marisa Bernal, Rieck

## Committees

Greg Cohron & now James McCabe, MSD – Membership  
Research Promotion – Denny Lammlein  
Student Activities – Russ Marcks (Sinclair), Kelly Kissock (UD)  
History – Tom Ferdelman  
Newsletter – Lorraine Kapka  
Scholarship – Lorraine Kapka, Frank Mauro, Dan Papay, Nancy Zelina

## Officers

Jason Gillespie, President-Elect, Point 2 Point  
Kyle Kurtz, Treasurer, Trane  
Jake Taylor, Secretary (not the Major League player), Heapy  
Rick Pavlak, Past President, Heapy

## Board of Governors

Greg Cohron, Ramsay-Cohron  
Jeremy Fauber, Heapy  
Lorraine Kapka, Sinclair



## TO REGISTER

The Expo is **FREE** to attend but you must register.

New this year, we will be making a donation to "Green Causes" which will include the USGBC's Project Haiti, Habitat for Humanity and the University of Dayton's ETHOS program.

You can make a donation for as little as \$5. Just think how much money we could raise if every 2012 Dayton Green Expo attendee made just a \$5 donation!

Heapy Engineering will match up to the first \$2,500 raised.

To register and/or donate, [click here](#).

## 2012 EXHIBITORS

3form  
Big Ass Fans  
BWA South  
Cooper/Brooks Assoc.  
Daltile  
Dayton Power & Light  
Dovetail Solar & Wind  
Habegger Corporation  
Holdfast Technologies  
Holophane  
ingenuity IEQ  
King Lighting  
Kirker Kubala  
Lawhon & Associates  
Lutron/Riffle & Assoc.  
MechoSystems  
Montgomery County  
DRG3  
Point to Point Systems  
Schneider Electric  
Solid Blend Technologies



**August 2, 2012**

**11 AM - 5 PM**

**Heapy Engineering Headquarters**  
1400 W. Dorothy Lane  
Dayton, OH 45409

## 12 Noon Seminar - A Candid Discussion on the Use of BIM

### Panelists:

- **Rod Johnson**, Director of Physical Plant, Cedarville University
- **Mike Cope**, Construction Manager, Danis Builders
- **Mark Anderson**, Project Manager, DesignGroup
- **Alec Carnes**, Senior Principal, Heapy Engineering

Still wondering about BIM and how it will affect your next project? (Pros/Cons, Positives/Negatives) This panel will feature "real world" information regarding a case study integrated BIM project at Cedarville University.

## 2 PM Seminar - Green Value: The University Perspective

### Panelists:

- **William Brown**, AIA, LEED AP BD+C, Director of Sustainability, Indiana University
- **Aparna Dial**, Sustainability Director, The Ohio State University
- **John Paulsen**, PE, Director Physical Plant, Safety and Environment, Wittenberg University

Panelists will provide their perspectives on what is happening regarding sustainability at their respective universities. This valuable panel discussion will include insight on "green" initiatives, challenges, future projects - and most importantly - "lessons learned".

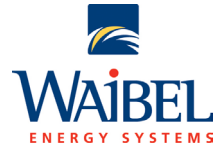
## 4 PM Seminar - Ongoing Commissioning

**Panelists:** To be announced.

This seminar will address case studies that define Ongoing Commissioning and how it is essential to maintain your investment in Basic Commissioning and Retro-Commissioning Services.

Spohn Associates  
Stoermer-Anderson  
The Garland Company  
Tremco Roofing &  
Building Maintenance  
Vectren  
Waibel  
Weston Solutions  
YKK AP America

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