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
2012-2013 OFFICERS

President
Jason Gillespie  313-8843
Point-to-Point Systems
jasondavidgillespie@gmail.com

President-Elect
Kyle Kurtz  264-4343
Waibel Energy Systems
kyle.kurtz@trane.com

Treasurer
Jake Taylor  224-0861
Heapy Engineering
jtaylor@heapy.com

Secretary
Evan Nutt  264-4343
Waibel Energy Systems
Evan.nutt@trane.com

Past President
Steven N. Meier  573-3072
Wat-Kem Mechanical
smeier@watkem.com

Committee Chairs
Membership
James McCabe  614-562-2026
MSD Engineering
jmccabe@msdinc.net

History
Tom Ferdelman 224-0861
Heapy Engineering
tferdelman@gmail.com

Newsletter Editor
Larraine Kapka  512-4501
Sinclair Community College
Larraine.kapka@sinclair.edu

Research Promotion
Dennis Lammlein 886-9178
dlammlein@woh.rr.com

Student Activities
Russell Marcks 512-2053
Sinclair College
Russell.marcks@sinclair.edu

CTTC
Michael Kennedy  224-0861
Heapy Engineering
mkennedy@heapy.com

Webmaster
Russell Marcks 512-2053
Sinclair College
Russell.marcks@sinclair.edu

Board of Governors
Jeremy Fauber 224-0861
Heapy Engineering
jfauber@heapy.com

Rick Pavlak  224-0861
Heapy Engineering
rpavlak@heapy.com

Larraine Kapka  512-4501
Sinclair Community College
Larraine.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. The coming year will present plenty of opportunities to get involved in the inner working sof 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)**

<table>
<thead>
<tr>
<th>Jeremy Fauber</th>
<th>Frank Mauro</th>
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</thead>
<tbody>
<tr>
<td>Tom Ferdelman</td>
<td>James McCabe</td>
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<tr>
<td>Jason Gillespie</td>
<td>Steven Meier</td>
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<tr>
<td>Larraine Kapka</td>
<td>John Patterson</td>
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<tr>
<td>Kyle Kurtz</td>
<td>Richard Pavlak</td>
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<tr>
<td>Dennis Lammlein</td>
<td>Jake Taylor</td>
</tr>
</tbody>
</table>

**HONORABLE MENTION**

Tom Monning

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

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

Ready to Give Back to YOUR Industry?
Dayton ASHRAE needs members to work on committees.
Contact Steve Meier at:
smeier@watkem.com
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!
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 Standard 90.1-2010: Envelope/Lighting, Oct. 17
• 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

For registration costs and to register, visit 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 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.
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

<table>
<thead>
<tr>
<th>Category</th>
<th>Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Devices</td>
<td>Louvers and Dampers</td>
</tr>
<tr>
<td>Air Handlers</td>
<td>Make-Up Air Units</td>
</tr>
<tr>
<td>Boilers</td>
<td>Packaged A/C</td>
</tr>
<tr>
<td>Building Automation</td>
<td>Pre-Insulated Pipe</td>
</tr>
<tr>
<td>Chillers</td>
<td>Pumps</td>
</tr>
<tr>
<td>Coils</td>
<td>Sound Attenuation</td>
</tr>
<tr>
<td>Computer Room Equipment</td>
<td>Steam Specialties</td>
</tr>
<tr>
<td>Cooling Towers</td>
<td>Air Terminal Units</td>
</tr>
<tr>
<td>Ductwork</td>
<td>Thermal Storage</td>
</tr>
<tr>
<td>Dust Collection</td>
<td>Unit Heaters</td>
</tr>
<tr>
<td>Fans</td>
<td>Unit Ventilators</td>
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<tr>
<td>Fan Coil Units</td>
<td>Vibration Isolators</td>
</tr>
<tr>
<td>Filtration</td>
<td>Valves</td>
</tr>
<tr>
<td>Heat Exchangers</td>
<td>Variable Speed Drives</td>
</tr>
<tr>
<td>Heating Equipment</td>
<td>Water Source Heat Pumps</td>
</tr>
<tr>
<td>Humidity Control</td>
<td>Water Treatment</td>
</tr>
<tr>
<td>Kitchen, Laboratory Fume Hoods</td>
<td>Other</td>
</tr>
</tbody>
</table>

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 – Larraine Kapka
- Scholarship – Larraine 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
- Larraine Kapka, Sinclair
YOU'RE INVITED!

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](#).

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### 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/Riffe & Assoc.  
MechoSystems  
Montgomery County  
DRG3  
Point to Point Systems  
Schneider Electric  
Solid Blend Technologies

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### 2012 Dayton Green EXPO

**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.