

www.daytonashrae.org



PO Box 3202 Dayton, OH 45401

Dayton Chapter

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

Mark Your Calendars

January 21st
Board of Governor's,
8am, Heapy Engineering

January 24th-28th
Winter Conference
(See Details on Pg 10)
Chicago, IL

February 9th
Possible Joint AIA
Event
11:30a-1p

February 18th
Board of Governor's,
8am, Heapy Engineering

March 9th
Student Night &
Demand Control
Kitchen Ventilation
5:30p-7:30p

March 18th
Board of Governor's,
8am, Heapy Engineering

April 13rd
Emerson Presentation
5:30p-7:30p

JANUARY HOLIDAY DINNER PARTY

January 17, 2015
6:00 PM Cocktails / 7:00 PM Dinner

The Dayton Art Institute
Shaw Gothic Cloister
456 Belmonte Park North
Dayton, OH 45405



Please join your fellow Dayton ASHRAE friends for a wonderful evening! We will be joined by the extremely talented solo guitarist Jim Volk. Jim specializes in putting a uniquely modern, yet acoustic, twist on a wide array of songs.

Arrive at 6:00pm for a cocktail hour including two free drink tickets at the cash bar. Dinner will start at 7:00pm.

Cost: Free for Dayton ASHRAE members plus 1 guest. Parking is free. \$50 per person for all other guests.

RSVP with your entrée selection (menu pg 11 of newsletter) by January 12, 2015 to: Jeremy Fauber (jpfauber@heapy.com)



2014-2015 OFFICERS*President***EVAN NUTT**

Evan.nutt@trane.com
Waibel Energy Systems

*President-Elect***MICHAEL KENNEDY**

mbkennedy@heapy.com
Heapy Engineering

*Treasurer***NATHAN LAMMERS**

Nathan.lammers@waibelenergysystems.com
Waibel Energy Systems

*Secretary***Rob Mauro**

rob.mauro@danis.com
Danis Construction

Committee Chairs*Membership***STEVE COPPOCK**

stevecoppock@habeggercorp.com
Habegger Corporation

*History***TOM FERDELMAN**

tferdelman@ymail.com

*Newsletter Editor***BRYAN SCHENCK**

BWSchenck@heapy.com
Heapy Engineering

*Co-Chairs Research Promo***DENNIS LAMMLEIN**

dlammlein@woh.rr.com

TOM MASTBAUM

tmastbaum@solidblendtechnologies.com
Solid Blend Technologies

*Student Activities/Webmaster***RUSSELL MARCKS**

Russell.marcks@sinclair.edu
Sinclair Community College

*CTTC***STEVE ELRICH**

selrich@solidblendtechnologies.com
Solid Blend Technologies

*Grassroots Activities/YEA***STEVEN N. MEIER**

smeier@watkem.com
Wat-Kem Mechanical

Board of Governors**Jeremy Fauber**

Heapy Engineering

Rick Pavlak

Heapy Engineering

Larraine Kapka

Sinclair Community College

A Note from the President:

Merry Christmas and Happy New Year! 2014 was a great year for Dayton ASHRAE. We have a lot to be proud of and we continue to shine within the region. I want to take a moment to thank YOU for all of your support and donations. We held a President's Breakfast in December for all of the local HVAC related companies. I cannot tell you how proud I am to see the response we have received since that event. We have new members signing up left and right, companies eager to donate to RP and to sponsor our CRC in 2016, and we have a couple of new commemorative scholarships available for our local college students. Your willingness to be a part of this great success is truly inspiring.

The new year, for Dayton ASHRAE, brings new and exciting events. One of those events is our annual Holiday Dinner, which is set for January 17th at the Dayton Art Institute. Please see the invitation for more details and RSVP as soon as possible. The new location is sure to make it an eventful evening.

There are still many opportunities available to get involved with ASHRAE! Whether it is locally and/or nationally, use this involvement as an opportunity to broaden your networking reach, dive deeper into the industry, and obtain many forms of continued education. Please contact any of the Dayton ASHRAE Board Members and/or Officers for more information.

Let's keep our membership levels up, continue donating to Research Promotion/Scholarship, and work together to grow the success of Dayton ASHRAE!

Evan Nutt—President, Dayton ASHRAE

Remember When... (1984/85)

President:	Mark Rae	Greater Dayton H/C
Vice Pres.:	Dennis Lammlein	Monsanto Research
Secretary:	Tom Homan	Allied Supply
Treasurer:	Bill Bismeyer	Lathrop Trotter
BOD :	Jack Putnam	Lorenz & Williams
	Michael Nauman	Heapy Engineering
	Jack Rosati	Carrier Midwest
	James Albitz	Trane Co.
	Mark Ganser	Trane Co.
Education:	Alan Watton	Sinclair
	Robert Stan	Stan & Assoc.
Membership:	Bill Bismeyer	Lathrop Trotter
	Mark Ganser	Trane Co.
Res. Promo:	James Albitz	Trane Co.
Social Events:	Michael Nauman	Heapy Engineering
	Jack Rosati	Carrier Midwest



Research Promotion Honor Roll

Students!

See pages
8 & 9

For information
& Application
for
Dayton ASHRAE's
Scholarship of
\$1000!!

Employers!

**Have an Open
Position?**

Advertise in your
Dayton ASHRAE
Newsletter and on
the Dayton
ASHRAE Website.

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

Platinum (\$1000 or more)

Dayton ASHRAE Chapter

Gold (\$500 or more)

Waibel Energy Systems

Silver (\$250 or more)

Uptime Solutions

Spears Mechanical Systems

Bronze (\$150 or more)

Allied Supply Company, Inc.

Validated Custom Solutions

Individuals

HONORS (\$100 or more)

*Steve Elrich
Joe Ferdelman
Tom Ferdelman
Jeremy Fauber
Lorraine Kapka
Michael Kennedy
Nathan Lammers
Denny Lammlein*

*Thomas Mastbaum
Russell Marcks
Rob Mauro
Stephen Meier
Evan Nutt
Bob Patterson
Bryan Schenck
Kyle Schroeder*

Honorable Mention

Tom Monnig

Research Promotion News

Currently, we have achieved **60.5%** (\$7,868 of \$13,000) of our yearly goal.

Let's keep it going! Donating is EASY!!

Make YOUR donations by following the directions on Pg 5

m.daytonashrae.org



**Now access our mobile webpage 2 ways!
See Page 12 for additional information!**

Now is a Good Time to Get Involved in ASHRAE!

Go National...

Apply 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.

Or Stay Local...

Wanted: Individuals to work on the Dayton Sustainability Project.

Qualifications: Willingness to work with others to set up his year’s sustainability project.

Wanted: Webmaster for the Dayton ASHRAE Website to take over from Russ Marcks.

Qualifications: Ability to use web authoring software to update and freshen the website and add new, interactive features desired by members.

2014-2015 ASHRAE RESEARCH Dayton ASHRAE Contribution Form

2013-2014 saw ASHRAE continue its leadership in developing standards and guidance for the design, operation, and maintenance of healthy, energy-efficient buildings.

Funds to accomplish this research are received from members and companies active in the industry. Once again, the Dayton Chapter led the way in Region V, submitting a new high of \$15,697. At the Chapters Regional Conference (CRC) held in Detroit 7-9 August, we received the most Presidential Award of Excellence (PAOE) points (2,838) of the 12 chapters in Region V!

The HVAC industry gives us all 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, we are asking you to help fund future HVAC&R research and development by donating this new fiscal year. Thanks in advance!

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!**

Dayton Chapter ASHRAE daytonashrae.org
Membership Application and Roster Information 2014-2015

Please select:

Local member (\$95) Local student member (\$30)

_____ Your Name

_____ Home Address

_____ City State Zip

() - _____
Home Phone

() - _____
Alternate Phone

_____ Home e-mail address _____ Alternate e-mail address

Student members only:

Student: School _____ Degree _____ Approximate Graduation Date _____

SEND NEWSLETTER TO: Home email address Alternate 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 Website
 CTT (Refrigeration; Technical, Energy & Government; Programs) Golf Outing Communication

Dayton Chapter dues for the Society year beginning July 1, 2014 and ending June 30, 2015.
Full member: \$95 per year includes 6 lunch/dinner meetings and the holiday party.
Student member: \$30 per year includes 6 lunch/dinner meetings (excludes holiday party).

Please return this application and a check or money order in the amount of \$95 (member) or \$30 (student member) made payable to Dayton ASHRAE to:
DAYTON ASHRAE, PO Box 3202, Dayton, OH. 45401



ASHRAE NEWS

2014 Green Building Standard Now Available from ASHRAE/USGBC/IES

ATLANTA - New requirements to further reduce energy and environmental impacts of buildings are contained in the 2014 version of the green building standard from ASHRAE, the U.S. Green Building Council and the Illuminating Engineering Society. ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings, addresses the areas of site sustainability; water-use efficiency; energy efficiency; indoor environmental quality; and the building's impact on the atmosphere, materials and resources.

The 2014 standard incorporates 67 addenda, reflecting changes made through the public review process since the standard was last published in 2011. Appendix H gives brief descriptions and approval dates of the addenda included in this new edition.

"The new standard updates all of its sections to reflect the latest information available to the committee," Andrew Persily, chair of the Standard 189.1 committee, said. "Compliance with these updated provisions will help further reduce energy and environmental impacts through high performance building design, construction and operation while providing indoor environments that support the activities of building occupants."

Major changes in the 2014 edition include:

Energy: Significant updates are included to reflect the publication of Standard 90.1-2013, Energy Standard for Buildings Except Low-Rise Residential Buildings, including revised building envelope provisions. Fenestration orientation requirements were updated based on new research, as well as changes and updates made to equipment efficiency tables, ENERGYSTAR references and continuous air-barrier requirements.

Energy Performance, Carbon Dioxide Emissions, and Renewables: Changes and clarifications are included to reflect changes to Standard 90.1. Carbon dioxide emission factors for different energy sources are updated.

Indoor Environmental Quality: Lighting quality is added to the scope of this section, and requirements are added for lighting controls in specific space types. Requirements for air sealing of filtration and air-cleaning equipment are clarified, and new requirements for preoccupancy ventilation and building envelope moisture management are added.

Site Sustainability: All site requirements are now mandatory, with prescriptive and performance options moved to the mandatory requirements. Requirements for stormwater management are enhanced, and new requirements added for bicycle parking and for preferred parking for low-emission, hybrid and electric vehicles. New requirements are added for predesign assessment of native and invasive plants.

Water: More stringent water use requirements are included for toilets, clothes washers, dishwashers and green roofs.

Building Impacts on the Atmosphere, Materials, and Resources: Requirements are updated for areas to store and collect recyclables, including batteries and electronics. Requirements also are updated for construction waste management and for life-cycle assessment. New requirements are added for multiple-attribute product declaration or certification and for maximum mercury content levels of certain types of electric lamps.

Construction and Plans for Operation: Requirements related to environmental impacts associated with idling construction vehicles are updated. New requirements are added to reduce the entry of airborne contaminants associated with construction areas.

The cost of ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, Standard for the Design of High-Performance Green Buildings, Except Low-Rise Residential Buildings, is \$128 (\$109, ASHRAE members).

To order, contact ASHRAE Customer Contact Center at 1-800-527-4723 (United States and Canada) or 404-636-8400 (worldwide), fax 678-539-2129, or visit www.ashrae.org/bookstore.

ASHRAE, founded in 1894, is a global society advancing human well-being through sustainable technology for the built environment. The Society and its more than 50,000 members worldwide focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability. Through research, standards writing, publishing, certification and continuing education, ASHRAE shapes tomorrow's built environment today. More information can be found at www.ashrae.org/news.

Welcome to ASHRAEJobs.com
Your source for HVACR
Engineering Careers





\$1000 SCHOLARSHIP

Dayton Chapter

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

Eligibility:

1. Undergraduate or graduate degree candidates enrolled in Engineering, Engineering Technology, Energy Engineering, Facilities Management, Construction Management, or similar degree leading to a career in the construction industry.
2. Member of Dayton Chapter of ASHRAE (paying local dues) and their immediate family members, or Student ASHRAE member.
3. Have completed 12 quarter hours or semester hours towards their degree.

Application Requirements:

1. Completed application.
2. College transcript including grades from Fall, 2014 term.
3. Personal recommendation from faculty member in student's program of study.
4. Statement from the student as to why they wish to study a discipline related to facility construction, operation or management.
5. Lists of activities within and outside the University and Industry.

**Application Available at
www.daytonashrae.org**

Questions? Lorraine.Kapka@Sinclair.edu

**Application Must be Postmarked by
January 31, 2015**



\$1000 SCHOLARSHIP

Dayton Chapter

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

STUDENT APPLICATION FOR ASHRAE / DAYTON CHAPTER SCHOLARSHIP

(Please Type)

Name of Student: _____ Date of Birth: _____
Mo. Day Year

Permanent Address: _____

Phone: _____ E-Mail Address: _____

Fax: _____

Name of and Relationship to Dayton Chapter Member or Student ASHRAE number _____

Student's Country of Legal Residence: _____

College/University Attending: _____

Major and Minor (if applicable) Field of Study: _____

Student's Year in College: _____

Indicate expected month and year of college graduation: _____

Signature _____ Date: _____

The following attachments must be included:

1. A personal recommendation from a faculty member of the school that the student is attending that describes the student's academic standing, character, and contribution to the industry.
2. Current transcript including grades from Fall 2014.
3. A 100-200 Word Statement from the student explaining why the student wishes to study a discipline that relates to the Construction Industry.
4. List of Activities / Outside of the Industry and University
5. List of Activities associated with Industry and/or University
6. List the Degree(s) for which the scholarship will apply

Application must be postmarked by January 31, 2015 and should be mailed to:

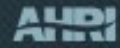
ASHRAE, Dayton Chapter
PO Box 3202
Dayton, OH 45401



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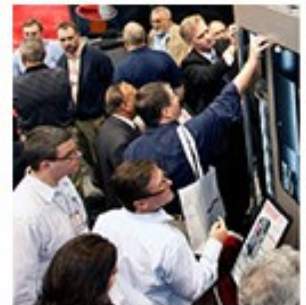
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Plated Holiday Dinner

First Course:

Bibb Salad with Craisins, Caramelized Pecans, Feta and Diced Tomatoes

Second Course:

(Choose one per person and include selections with RSVP)

Roast Prime Rib of Beef Au Jus with Twice Baked Potatoes

Potato Crusted Pan Fried Salmon Topped with Scallops Provencal

Italian Jumbo Shells with Brunoise Vegetables and Cilantro Oil

Third Course:

Cream Brule with Fresh Berries

Chocolate & White Mousse Chocolate Shell

Visit Our Mobile Website

Just scan the QR code below on your phone or type in the URL



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