

Refrigerating & Air-Conditioning Engineers

www.daytonashrae.org



2015-2016 OFFICERS

President

MIKE KENNEDY

MBKennedy@heapy.com
Heapy Engineering

President-Elect

NATHAN LAMMERS

Nathan.Lammers@waibelenergysystems.com
Waibel Energy Systems

Treasurer

ROB MAURO

Rob.Mauro@danis.com
Danis Construction

Secretary

SUMETA SACHDEVA

SSachdeva@heapy.com
Heapy Engineering

Mark Your Calendars

January 20th

Board of Governors

8AM, Heapy Engineering

February 17th

Board of Governors

8AM, Heapy Engineering

March 14th

March Meeting

5-8PM, Engineer's Club

REMINDER:

ASHRAE Holiday Party

January 8th, 2015 6:00PM to 9:00PM

Dayton Racquet Club

40 Kettering Tower (29th Floor)

Dayton, Ohio 45423

AIA & ASHRAE Breakfast Meeting

February 8th, 2015

Wei Sun, PE

Engsyco Incorporated, President

**HVAC Systems for Airborne Infection
Control Spaces in Healthcare Facilities**

Aileron

8860 Wildcat Road

Tipp City, Ohio 45371

8:00 AM Breakfast, Presentation to Follow

FREE to All Members. \$20 to All Others.

RSVP by Noon on 2/4 to JPFauber@heapy.com

Please note any specific food considerations at this time.

ATTENTION Student Members!

**Apply for a Dayton Chapter
ASHRAE Scholarship.**

See Details and Application on Page 8.

Committee Chairs**Membership****JEREMY FAUBER**

JPFauber@heapy.com
Heapy Engineering

History**TOM FERDELMAN**

tferdelman@ymail.com

Newsletter Editor**BRYAN SCHENCK**

BWSchenck@heapy.com
Heapy Engineering

Research Promo**TOM MASTBAUM**

tmastbaum@solidblendtechnologies.com
Solid Blend Technologies

Student Activities**RUSSELL MARCKS**

Russell.marcks@sinclair.edu
Sinclair Community College

CTTC/CRC Chair**EVAN NUTT**

Evan.Nutt@trane.com
Waibel Energy Systems

Grassroots/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

A Note from the President:

Greetings and Happy New Year! If any are attending the Winter Conference in Orlando, please contact our Region V chair – Doug Fick at RegionVRMCR@gmail.com to reserve a seat at Delmonico's Italian Steakhouse Sunday, Jan 24th at 7:00 pm with the rest of Region V and VI chapter members. Our next Dayton Chapter meeting will be a special occasion at Aileron in Tipp City. This will be a joint AIA breakfast meeting with an ASHRAE Distinguished Lecturer presenting on HVAC Systems in Healthcare, on February 8th at 8 am. Please come out and take advantage of some networking at a beautiful facility. I will be organizing another Dayton ASHRAE build day for Habitat for Humanity in the next coming months. So, standby, or contact me if you are interested in a fun Saturday of giving back to the community! Thanks!

Mike Kennedy—President, Dayton ASHRAE

Remember When... (1982/83)

President:	Robert Stan	Stan & Assoc
Vice Pres.:	Jack Putnam	Lorenz & Williams
Secretary:	Dick Wood	Enterprise Roofing
Treasurer:	Mark Rae	Greater Dayton H&C
BOD:	John Stewart Dennis Gullette Michael Nauman	Greater Dayton H&C Gullette Air Enterprises Heapy Engineering
Education:	Bob Schulz	WPAFB—AFIT
Membership:	Dennis Lammlein	Monsanto Research Corp
Res Promotion:	Larry Brelsford	Simplex
Energy Mgmt:	Tom Kenna	WPAFB—AFIT
Social Events:	Michael Nauman	Heapy Engineering

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

Like us
on
Facebook!

Find news
and
updates
from
Dayton



Membership

Welcome New Members

The chapter is happy to welcome it's newest members:

Shalini Kumaralingam
Karen Claude

Troy Brostrom
Davis Urena

ATTENTION MEMBERS—STEM Survey

In an attempt to gauge what our membership is currently involved with in the classroom/community and determine if there is any interest in a future science outreach activity for club members, please take a few minutes to complete this survey by following the link below:

<https://www.surveymonkey.com/r/J62GKD8>

The survey will remain open until Sat. Jan 16th at 11:45pm and results are anonymous. Feel free to leave your contact info if you would like more about Dayton activities.

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.

Research Promotion Honor Roll

INDIVIDUALS \$100 or more

*Steven A Coppock
Jeremy P Fauber
Thomas J Ferdelman
Lorraine Kapka
Mike Kennedy
Nathan Lammers
Thomas E Mastbaum
Robert A Mauro*

*Robert A Mauro
Steven N Meier
Evan Nutt
Sumeta Sachdeva
Bryan W Schenck
Samuel T Tobias
Kyle Schroeder*

HONORABLE MENTION \$150 or more

*Helmig & Lienesch LLC
Allied Supply*

ANTIQUUE \$250 or more

Uptime Solutions Associates

SILVER \$1,000 or more

*Dayton ASHRAE
Waibel Energy Systems*

Research Promotion News



Currently, we have achieved

34% (\$5,908.57 of \$17,306)

of our yearly goal

Make YOUR donations by following the directions on Page 5.

2015-2016 ASHRAE RESEARCH PROMOTION

Dayton, OH ASHRAE

2014-2015 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 \$16,482.

The HVAC Industry gives us all our livelihood. ASHRAE's research and educational programs are what keeps our industry and professions 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 year. Thanks so much for your help in advance!

Together we can all make a difference!

Amount Enclosed: _____\$1,000_____ \$500 _____\$250 _____\$150 _____\$100

\$_____ Other (Please Specify)

Name: _____

Street Address:

City/State/Zip: _____, _____, _____

Phone Number: (_____) - _____

Member Number (if known):

Donation in Memory of: _____

Do you wish to be recognized in the Dayton ASHRAE Newsletter as a Contributor? __YES __NO

Please Mail this completed form with your check to:

ASHRAE Dayton Chapter
ATTN: Research Promotion
P.O. Box 3202
Dayton, OH 45402-3202



ASHRAE Research Promotion - Donor Levels

Platinum Circle Donor – (\$20,000 +)

Receives 1 day Meeting Registration at the ASHRAE Winter Meeting
 Receives 2 tickets to Members Night Out and Welcome Party at the ASHRAE Winter Meeting
 Presented Commemorative Sculpture
 Individually recognized at the President's Luncheon at the ASHRAE Winter Meeting
 Invited to the President's Luncheon at the ASHRAE Winter Meeting
 Invited to the Board of Directors Luncheon at the ASHRAE Winter Meeting
 Listed on special display at the President's Luncheon at the ASHRAE Winter Meeting
 Group photo published in the spring issue of ASHRAE Insights
 Listed on RP Display in Registration
 Receives Gold ASHRAE Commemorative Coin & Plaque
 Listed in annual Investor Honor Roll in the ASHRAE Journal

Golden Circle Donor – (\$10,000 to \$19,999)

Presented Commemorative Sculpture
 Individually recognized at the President's Luncheon at the ASHRAE Winter Meeting
 Invited to the President's Luncheon at the ASHRAE Winter Meeting
 Invited to the Board of Directors Luncheon at the ASHRAE Winter Meeting
 Listed on special display at the President's Luncheon at the ASHRAE Winter Meeting
 Group photo published in the spring issue of ASHRAE Insights
 Listed on RP Display in Registration
 Receives Gold ASHRAE Commemorative Coin & Plaque
 Listed in annual Investor Honor Roll in the ASHRAE Journal

ASHRAE Partner – (\$5,000 to \$9,999)

Receives personalized shadowbox plaque
 Listed in annual Investor Honor Roll in the ASHRAE Journal

ASHRAE Associate – (\$2,500 to \$4,999)

Receives Gold ASHRAE Commemorative Coin & Plaque
 Listed in annual Investor Honor Roll in the ASHRAE Journal

Major Donor – Silver – (\$1,000 to \$2,499)

Receives Silver ASHRAE Commemorative Coin & Plaque
 Listed in annual Investor Honor Roll in the ASHRAE Journal

Major Donor – Bronze – (\$500 to \$999)

Receives Bronze ASHRAE Commemorative Coin & Plaque
 Listed in annual Investor Honor Roll in the ASHRAE Journal

Major Donor – Antique – (\$250 to \$499)

Receives Antique ASHRAE Commemorative Coin & Plaque
 Listed in annual Investor Honor Roll in the ASHRAE Journal

Honor Roll Donor – (Individual Honor Roll begins at \$100)

Receives blue desktop coin holder & Commemorative Coin
 Listed in annual Investor Honor Roll in the ASHRAE Journal



Dayton Chapter ASHRAEdaytonashrae.org

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, 2015 and ending June 30, 2016.

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



\$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: _____

Name of and Family 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 most recent Fall Term (an unofficial transcript is acceptable).
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 of the application year or submitted electronically.

Mail should be sent to:

**ASHRAE, Dayton Chapter
PO Box 3202
Dayton, OH 45401**

ASHRAE Learning Institute

Seminars & Courses at ASHRAE's Winter Conference in Orlando, FL

2 WAYS TO REGISTER

Internet: www.ashrae.org/orlandocourses

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

Full-Day Professional Development Seminars

\$485/\$395 ASHRAE Member -- Earn 6 PDHs/AIA LUs or .8 CEUs

Commercial Building Energy Audits

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

Commissioning Process in New & Existing Buildings

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

Designing HVAC Systems to Control Noise & Vibrations

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

Energy Modeling Best Practices and Applications

Tuesday, January 26, 2016 – 9:00 a.m. to 4:00 p.m.

Operations & Maintenance of High-Performance Buildings

Tuesday, January 26, 2016 – 9:00 a.m. to 4:00 p.m.

Half-Day Short Courses

\$159/\$119 ASHRAE Member -- Earn 3 PDHs/AIA LUs or .3 CEUs

Laboratory Design: The Basics and Beyond

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Troubleshooting Humidity Control Problems

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Understanding & Designing Dedicated Outdoor Air Systems

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Variable Refrigerant Flow System Design & Applications **NEW!**

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Air-to-Air Energy Recovery Applications: Best Practices

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

Applications of Standard 62.1-2013

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

Building Demand Response & the Coming Smart Grid

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

Energy Management Best Practices

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

Advoiding IAQ Problems

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Commissioning Process & ASHRAE Standard 202

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Complying with Standard 90.1-2013: HVAC/Mechanical

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Evaluation and Control of Legionella in Building Water Systems **NEW!**

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Exceeding Standard 90.1-2013 to Meet LEED Requirements

Monday, January 26, 2016 – 9:00 a.m. to 12:00 p.m.

IT Equipment Design Evolution & Data Center Operation Optimization

Monday, January 26, 2016 – 9:00 a.m. to 12:00 p.m.

Designing High-Performance Healthcare HVAC

Monday, January 26, 2016 – 1:00 p.m. to 4:00 p.m.

ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Halifax • Hong Kong • Houston • Kuala Lumpur

Miami • Minneapolis • San Francisco • Vancouver

HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II – Applications - Registration is \$854 (\$699 ASHRAE Member)

HVAC Design: Level II – Applications provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit www.ashrae.org/hvactraining to register.