



November 2015 Newsletter

November Program: Latest in Scroll Compressor Modulation & Green Ductwork

With over 30 years of industry experience, Eugene Smithart spent 29 years with Trane and 4 years with Danfoss Turbocor, a manufacturer of oil-free compressors. Currently "Smitty" is the Director of Systems & Solutions for Trane. He is well known in the HVAC industry, having published numerous industry articles and having key involvement in a number of industry changing initiatives. Smitty is a recipient of the U.S. EPA Climate Protection award. At the time of the receipt, he was only one of five people in the world to have received this prestigious award. He is a former Marine and received his Bachelors of Science degree in Chemical Engineering from the University of Iowa and is a registered Professional Engineer in the State of Wisconsin.

There has been tremendous progress in Scroll Compressor Modulation techniques. This topic provides insights to the most common of these techniques and how they compare.

Green Ductwork Done Right highlights the benefits of high velocity round ductwork designed for static regain. It explains how these designs both reduce installed cost and improve operating efficiency vs rectangular ductwork.

Please register for this meeting by

Registration link for this month's meeting:

<https://www.eventbrite.com/e/november-chapter-meeting-latest-on-scroll-compressor-modulation-tickets-18327406767>

If you are not a member of the Mississippi Valley ASHRAE Chapter, we would still like to you attend. An entry fee of \$20 will be accepted at the door for all non-members.

If you would like to become a member please follow this link:

www.mississippivalleyashrae.org.

November 19th Program

Location: Bent River rewing
512 24th Street
Rock Island, IL 61201

Program: The Latest in
Scroll
Compressor
Modulation &
Green Ductwork

Agenda: 4:30-5:30 Program
5:30-5:45 Chapter
Meeting
5:45-6:45 Dinner

Menu: Roast beef red chili,
southern style mac &
cheese, garlic bread,
and bread pudding



Chapter Platinum Sponsors



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 .6 CEUs

Commercial Building Energy Audits

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.

Commissioning Process in New & Existing Buildings

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

Operations & Maintenance of High-Performance Buildings

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

Designing HVAC Systems to Control Noise & Vibrations

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

Advoiding IAQ Problems

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

Troubleshooting Humidity Control Problems

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

Commissioning Process & ASHRAE Standard 202

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

Understanding & Designing Dedicated Outdoor Air Systems

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

Complying with Standard 90.1-2013: HVAC/Mechanical

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

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

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

Air-to-Air Energy Recovery Applications: Best Practices

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

Exceeding Standard 90.1-2013 to Meet LEED Requirements

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

Applications of Standard 62.1-2013

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

IT Equipment Design Evolution & Data Center Operation Optimization

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

Building Demand Response & the Coming Smart Grid

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

Designing High-Performance Healthcare HVAC

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

Energy Management Best Practices

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

ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Halifax • Hong Kong • Houston

Kuala Lumpur • Miami • Minneapolis • 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.

Mississippi Valley Chapter News

ASHRAE is creating a video-compilation of chapter submitted photos for each of ASHRAE's 14 Regions. In addition, there will be one video containing photos from ALL ASHRAE Regions and Chapters.

Once complete, the full video (with all regions) will stream at the beginning of the Plenary Session at the 2016 Winter Conference. And of course, each Region's video will be sent to the respective Region & Chapter Officers. The videos will also be posted to Youtube, Facebook, and www.ashrae.org.

Mississippi Valley will be taking some photos at the November meeting to submit.

2015-2016 Calendar of Events

- **December 3rd 2015**
Implementing Energy Efficiency – Bill Good
- **January 8th 2016**
Social Event – QC Mallards
- **February 4th 2016**
ASHRAE 15 – 2013 Doug Reindl
(Distinguished Lecturer)
- **March 3rd 2016**
Ethics – Gregs Thomopoulos
- **April 7th 2016**
Principal Roundtable - TBD
- **May 5th 2016**
HVAC O&M

2015-2016 Officers/Board of Governors

<i>President:</i>	<i>Allen Poppe</i>
<i>Vice President:</i>	<i>Craig Sorensen</i>
<i>Treasurer:</i>	<i>Matt Bladel</i>
<i>Secretary:</i>	<i>Andy Sirois</i>
<i>Past President</i>	<i>Justin Clegg</i>
<i>Member at Large:</i>	<i>Jake Vorac</i>
<i>Member at Large:</i>	<i>Brian Hodgins</i>

2015-2016 Committee Chairs

<i>Membership:</i>	<i>Jerry Brown</i>
<i>Student Activities:</i>	<i>Justin Clegg</i>
<i>CTTC:</i>	<i>Cris Washburn</i>
<i>Research Promotion:</i>	<i>Cris Washburn</i>
<i>Historian:</i>	<i>Sherm Sweeney</i>
<i>Webmaster:</i>	<i>John Schaub</i>
<i>Programs:</i>	<i>Craig Sorensen</i>
<i>YEA:</i>	<i>Tim Celandier</i>
<i>CRC Delegate:</i>	<i>Craig Sorensen</i>
<i>CRC Alternate:</i>	<i>Matt Bladel</i>
<i>GGAC</i>	<i>OPEN</i>
<i>Seminar:</i>	<i>OPEN</i>