



August 19, 2013: Vol. 56, No. 01

Produced by: Jay Sullivan
Chapter Newsletter Editor/ Chairman

The Therm, is a monthly Newsletter for chapter members and HVAC&R professionals alike, that provides information about the Fort Worth Chapter of ASHRAE.

President's Message

Welcome everyone to our new 2013-2014 Chapter year. My name is Tony Finch and I will be serving as your Chapter President this Chapter year. Your new Board of Governors and I are all looking forward to serving the Chapter this year and are challenging ourselves to help grow and strengthen the Chapter through providing good technical programs and seminars, as well as bringing the Chapter programs that cover important industry government affairs, as well as topics in sustainability and refrigeration.

We are looking for feedback from the entire Chapter and we will be sending out an online survey to the membership at the end of August in an effort to see what topics are of most interest. We are excited to be able to start out with two strong technical programs.

On August 21st, in our normal location, The Petroleum Club, we have a program on Healthcare and Laboratory Valve and Control Solutions. On September 10th we have a real treat; we have been able to arrange for an ASHRAE Distinguished Lecturer to provide a program on Natatorium Design and Dehumidification.

There are two important differences about our September monthly meeting. First is the date, it is being held on the 10th which is the second Tuesday of the month; we normally meet on the third Wednesday. Second difference is the location, we normally meet at the Petroleum Club, but due to schedule conflicts we will hold only this September Chapter meeting at The Fort Worth Club, 306 West 7th Street, Fort Worth, TX. We will send out reminder emails and we will have flyers made to pass around at our August meeting about this change in typical date and location.

I am excited to be able to serve the Chapter as this year's President and please reach out and contact me with any feedback, questions, comments or concerns. We also welcome anyone to attend our Board of Governors meetings, held on the same date and location as the Chapter meetings at 10:30am.

Please join us in making this a successful year for our Fort Worth ASHRAE chapter.

Sincerely,
Tony Finch
Chapter President

Next Chapter Meeting

August 21, 2013

11:30AM

"Healthcare and Laboratory Valve and Control Solutions"

777 Main St.
40th Floor
Fort Worth, TX

[CLICK HERE TO CONTRIBUTE!](#)

August Program – August 21, 2013

Date: August 21, 2013

Time: 11:30 a.m. – 1:00 p.m.

Location: 777 Main Plaza Petroleum Club – 40th Floor

Topic: Healthcare and Laboratory Valve and Control Solutions

Meeting Outline: The presentation will cover room pressure control strategies and considerations for healthcare as well as fume hood face velocity and room pressure control for laboratory spaces.

Speaker Bio: **Nolan Hosking** is a Senior Product Manager at Price Industries, specializing in Critical Environment Solutions. A Professional Engineer with extensive experience in application engineering and design, Nolan oversees all product development initiatives for healthcare, laboratory and cleanroom solutions at Price. Nolan is a current voting committee member of ASHRAE 170 and is also actively engaged in other industry organizations.

May Meeting Minutes – Board of Governors

Call to Order by Dan Merkel at 10:42 am

Members in attendance – Tony Finch, Jay Sullivan, Clif Upham, Dan Merkel, Richard Long, Nick Schroeder, David Muzzy, Patty Parrish, Keith Woodlee, Sean Rath, Richard Watters, Ian Bost

President

- June 19th is Past President's Night
 - It will be held at Times Ten Wine Cellar in Fort Worth
 - It will be free to chapter members
- Thank you to the chapter for allowing us to raise a large amount of money before CRC.

Officer Reports

President-Elect (Finch)

- Past President's Night will be on June 19th at Times Ten Wine Cellar
 - Admission will be free to the chapter
 - Alternate food will be available (besides Pizza).
 - The chapter will place an RP donation bucket at the food line and would like members to make a donation to RP, if they chose the alternate dinner

Secretary (Sullivan)

- PDHs for last month's seminar will be sent soon.
- Officer transition meetings should be set up ASAP. June is the last meeting (Past President's Night) before the transition
- In the future, the Eventbrite page will be updated with new contact info, but no one will be removed unless they specifically request it
- Non-members will be able to sign up on the website if they would like to receive the newsletter. This isn't restricted to members only.

Treasurer (Upham)

- As of CRC, \$25,962 had been donated to RP.
- We are at 81% of goal for the year
- The chapter will hire a CPA for tax filing purposes. They will be included in the treasury audit.
- Clif will research the amount of time that the chapter needs to keep the treasury binders.

BOG At-Large (Watters, Maryak, Muzzy, Long)

- The CRC Fundraising golf tournament will be held on July 29th at Waterchase Golf Club
- Tee time will be 8:00 am

May Meeting Minutes – Board of Governors (cont.)

Committee Chairman Reports

CTTC (Schroeder)

- The ethics DL had to cancel for the May presentation. The chapter will host an ethics presentation early in the next chapter year.

Historian (Brunkenhoefer)

- Nothing to report

Honors & Awards (Akers)

- Nothing to report

Membership Promotion (Woodlee)

- Nothing to report

Research Promotion (Watters)

- As of CRC, \$25,962 had been donated to RP.
- We are at 81% of goal for the year

Special Events (Rath)

- Sean is working with the YEA chairman to plan a happy hour in lieu of the July meeting (July 17)
- A location at UTA campus is being considered
- Consideration will be made for a future YEA happy hour near the TCU campus

Student Activities (Bost)

- Activities for the ASHRAE year have been completed

Webmaster (Pace)

- Nothing to report.

Government (Long)

- Nothing to report

CRC (Parrish)

- CRC Planning is progressing
- The golf tournament to raise funds has been planned and will be held July 29th
- A logo is being designed by Jay Martin
- The golf tournament is open to anyone that wishes to attend. Not members only
- Clif will contact the Hilton to look at trade show options
- Hotel contract has been signed and approved by Society

Old Business

New Business

- Motion by JS, 2nd by TF about job postings becoming available on the chapter website.
 - A \$250 RP donation will get you a 6 month job listing on a specific page on the website.
 - Without the donation, listings will cost \$100 for set-up and \$50 per month

Closing @ 11:19

May Meeting Minutes – General Business

Call to Order – Self introductions

58 members in attendance

Old Business

- CRC was a success.
- Thanks to the chapter for their support and donations

New Business

- Motion by JS, 2nd by TF about job postings becoming available on the chapter website.
 - A \$250 RP donation will get you a 6 month job listing on a specific page on the website.
 - Without the donation, listings will cost \$100 for set-up and \$50 per month
- Past President's Night will be held on June 19th in lieu of the General Business Meeting
 - Admission will be free for members
 - Alternate food options will also be available.

Program

- Nick Schroeder introduces the speaker
- **Speaker Info:**

Jack Geortner, LEED AP
General Manager
FlexSys Underfloor Air Product Group at Johnson Controls

Speaker Bio:

Jack Geortner is the General Manager for the FlexSys Underfloor Air Product Group at Johnson Controls. Based in Los Angeles, CA, he has over 20 years experience with the AE community in both domestic and international markets. Prior to joining York International, now a part of Johnson Controls, in 2001, he held executive positions with major suppliers in the building products industry, including the C/S Group, Forms and Surfaces and Steelcase. He was Global Accounts Director at Tate Access Floors prior to joining York/Johnson Controls. He is a LEED Accredited Professional."

Topic: NEW UnderFloor Air Distribution (*UFAD*) Design Guide Overview and ASHRAE Standards: Publication Date June 2013

Meeting Outline:

Lessons learned with Underfloor Air Distribution: The view from 30,000,000 feet!

Industry drivers-- Operating benefits, LEED impact, trends
UFAD fundamentals/compare and contrast with OH design, DV design
Design Considerations-- overview of interior and perimeter options
Underfloor distribution, temp and pressure dynamics/system integration/RA rules of thumb
options/pluses and minuses/
Throttling vs time modulation technology
Integration with other trades, esp RAF/ construction best practices

New ASHRAE standards and UFAD Design Guide Overview: Publication Date June 2013

Closing @ 12:52

Treasurer's Report – Jay Sullivan

STARTING BALANCE DATE	6/1/2013
NEW BALANCE DATE	6/30/2013
Treasurer's Report	<i>Clif Upham</i>
<u>Financial Data:</u>	
Starting Balance (6/1/13):	\$ 7,069.54
Deposits:	
6/24 - Deposit May Chapter Dues from Society	\$ 770.00
Subtotal:	\$ 770.00
Payments:	
Check #5363 to Lynn Bryant for Tax Filings	\$ 943.50
Check #5364 to ASHRAE for UTA Student Membership - Rodrigo Samano	\$ 20.00
Subtotal:	\$ 963.50
New Balance as of 6/30/13:	\$ 6,876.04

Research Promotion Fund Raising – Richard J. Watters, P.E.

Updated: 5-2-13	
Direct Donations	\$1,600.00
Fall Golf Tournament	\$7,309.46
Spring Golf Tournament	\$8,826.97
Online Donations	\$8,125.90
GRAND TOTAL	\$25,862.33
GOAL (\$)	\$32,000.00
PERCENT OF GOAL	80.8%
AMOUNT NEEDED	\$6,137.67

ASHRAE Announces New 2013-14 Conference Lineup

Mark your calendars now because ASHRAE's conference schedule for 2013-2014 is widespread in both dates and global reach.

ASHRAE conferences present the latest developments in the industry and fundamental tried and true practices. Topics range from high performance buildings to buildings that have combustion with low-grade fuels.

- Oct. 15-18, [ASHRAE IAQ 2013: Environmental Health in Low Energy Buildings](#), Vancouver, British Columbia, Canada
- Jan. 18-22, 2014, [ASHRAE Winter Conference](#); Jan. 20-23, AHR Expo, New York, New York
- Feb. 24-26, 2014, [First International Conference on Energy and Indoor Environment for Hot Climates](#), Doha, Qatar
- April 7-8, 2014, [High Performance Buildings Conference](#), San Francisco, Calif.
- April 24-25, 2014, [Efficient, High Performance Buildings for Developing Economies](#), Manila, Philippines
- June 28-July 2, 2014, [ASHRAE Annual Conference](#), Seattle, Wash.
- September 10-12, 2014, [ASHRAE/IBPSA-USA Building Simulation Conference](#), Atlanta, Ga.

The conferences feature peer-reviewed papers, presentations with hands-on information presented in a non-commercial

ASHRAE Announces New 2013-14 Conference Lineup (cont.)

ASHRAE IAQ 2013 in October 2013 reviews the state of knowledge on the balance between environmental health and energy efficiency in the pursuit of low energy buildings and covers a range of topics: residential and commercial buildings, new construction and retrofit, active and passive approaches, design and operation.

What better city than New York for ASHRAE to host a **Winter Conference** in January 2014 with a Technical Program focused on buildings? The Conference has a building-oriented theme with papers and presentations related to building information systems; environmental health; international design; HVAC&R applications and systems; and, of course, tall building performance.

The First International Conference on Energy and Indoor Environment for Hot Climates in February 2014 tackles energy and indoor environmental quality issues in humid and arid hot climates, providing a forum for discussion of the latest research and developments.

Building upon its 2012 High Performance Buildings Conference and 2009 Net Zero Conference, the **High Performance Buildings Conference** in April 2014 seeks to advance the industry's efforts to accomplish a true high-performance built environment. The tracks include building performance modeling, envelope strategies, lighting/daylighting strategies, indoor environmental quality strategies, building occupant behavior, market value, new building technologies and case studies and lessons learned.

The design, construction and operation of energy efficient, high performance buildings in developing economies have been identified by the building industry and policymakers as key areas where technology, standards and investments are needed. The **Efficient, High Performance Buildings for Developing Economies Conference** in April 2014 will address a number of themes on this topic.

The **2014 ASHRAE Annual Conference** takes place in Seattle, Wash., June 2014. The Conference addresses broad topics in the application of technology to practice, specific applications in ground source heat pumps, operations and maintenance and indoor environmental quality as well as new reports on research taking place worldwide.

Finally, ASHRAE and IBPSA-USA have created a new jointly co-sponsored **Building Simulation Conference** taking place in September 2014 that encompasses the ASHRAE Energy Modeling and IBPSA-USA SimBuild Conferences. The conference is a first for the industry and focuses on "BIM, BEM and SIM – Integrated Building Design and Modeling," addressing building information modeling, building energy modeling and building simulation.

ASHRAE Announces New High Performance Buildings Conference

ASHRAE has announced its next High Performance Buildings Conference will take place April 7-8, 2014, Hyatt Fisherman's Wharf, San Francisco, Calif.

Building upon the 2012 High Performance Buildings Conference and 2009 Net-Zero Energy Conference, the Conference seeks to advance the industry's efforts to accomplish a true high-performance built environment.

"The 2014 HPB Conference provides a unique opportunity for dialog among attendees to facilitate understanding of current indoor environmental quality and energy saving efforts and to share best practices for achieving high-performance buildings," Kent Peterson, Conference chair, said.

The conference topics provide a comprehensive overview of high performance building design with a focus on strategies in several areas, Peterson said. New subject areas include water efficiency, building occupant behavior, new building technologies and indoor environmental quality. In addition, there is increased emphasis on lighting/daylighting and the building envelope.

A case study-type poster session on "Measured Performance" and "Modeled Performance" is presented.

The conference format will include invited speakers as well as a call for presenters and a call for posters, which will be announced in the fall. Additional information can be found at www.hpbmagazine.org/hpb2014.

ASHRAE Announces New High Performance Buildings Conference (cont.)

Attendees will be able to realize the synergy required between indoor environmental quality and energy savings through advanced HPB design through the conference as well as network with other HPB professionals, Peterson said.

The conference is being presented by ASHRAE's High Performing Buildings magazine, the industry's premier source for measured performance of practices and technologies to promote better buildings.

New Course on Commercial Building Energy Audits Offered by ASHRAE in Fall Online Course

Given the tremendous growth in emphasis on energy efficiency in existing buildings, private markets are looking for cost-effective investments to make in buildings. Energy efficiency represents an excellent opportunity to provide great returns while helping the environment, and improving indoor environmental quality.

One way to learn what building improvements are needed is to conduct an energy audit. A new course from ASHRAE, part of its ASHRAE Learning Institute fall online course series, offers guidance on best practices and other information relevant for building owners, managers and government entities.

"As we work to identify investment opportunities in commercial buildings, we want to ensure that any recommendations are cost effective, technically feasible and result in significant energy savings," Jim Kelsey, course instructor, said. "Providing the best audits that we can will help move the industry forward to net zero buildings, so this course focuses on how to actually conduct good audits."

Kelsey notes that new industry research shows revenue from energy efficient HVAC systems will grow from \$17.2 billion in 2013 to \$33.2 billion by 2020.

"That growth will not be possible without independent energy auditors who can put unbiased, engineering-based information into the hands of decision-makers," he said.

The two-part course, Commercial Building Energy Audits, includes a summary of materials essential for performing ASHRAE Level 1, 2 and 3 audits; time-saving tips for energy auditors; how to hire an auditor; what to ask for in a comprehensive audit report; how to build a successful energy efficiency retrofit team; tips to make site visits quicker and more effective; tools to make analysis of billing data and energy savings faster and more accurate; and tools to perform diagnostics using measured data.

"Engineers don't usually make the best salesmen," Kelsey noted. "Yet promoting energy efficiency projects in buildings requires energy auditors to promote projects and 'sell' their ideas. Attendees will learn how to promote energy efficiency projects in commercial buildings, with means that are more effective than simple cost effectiveness."

The course takes place Nov. 4 and 6. For registration costs and to register, visit www.ashrae.org/onlinecourses.

The 13 ASHRAE Learning Institute fall online 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.

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.

New Course on Commercial Building Energy Audits Offered by ASHRAE in Fall Online Course (cont.)

Details on all the courses can be found at www.ashrae.org/onlinecourses. The courses are:

- . Introduction to BACnet®, Sept. 9
- . NEW! Troubleshooting Humidity Control Problems, Sept. 11
- . Complying with Standard 90.1-2010: HVAC/Mechanical, Sept. 30
- . Energy Management Best Practices (formerly Energy Management in New and Existing Buildings) , Oct. 2
- . High-Performance Building Design: Applications and Future Trends, Oct. 9
- . Commissioning for High-Performance Buildings, Oct. 16
- . Fundamental Requirements of Standard 62.1-2010, Oct. 21
- . Air-to-Air Energy Recovery Fundamentals, Oct. 23
- . Energy Efficiency in Data Centers, Oct. 28
- . Air-to-Air Energy Recovery Applications: Best Practices, Oct. 30
- . IAQ Best Practices for Design, Construction and Commissioning, Nov. 13
- . Energy Modeling: Best Practices and Applications - Parts 1 and 2, Sept. 16
- . NEW! Commercial Building Energy Audits - Parts 1 and 2, Nov. 4

ASHRAE Launches Online Discussion Platform

Looking to exchange information with your peers about your latest project? Then visit the new online ASHRAExCHANGE discussion platform.

Through ASHRAExCHANGE, the Society is providing both ASHRAE members and others in the industry with an online platform for real-time discussion and information exchange for design, construction, operation and support of the built environment.

The platform, at www.ASHRAExCHANGE.org, was launched at ASHRAE's 2013 Annual Conference being held here June 22-26.

"Many ASHRAE members felt there was a need for a place where both ASHRAE members and non-members alike can freely and openly exchange information focused on the built environment," Spencer Morasch, incoming chair of ASHRAE's Electronic Communications Committee. "The information exchange is informal and takes place in real time. So if you have a question at 3 a.m. on a Tuesday night, you can post that on the ASHRAExCHANGE, and chances are, have a reply posted back to you within 24 hours!"

The platform provides a place for users to post and generate discussion on either a general or specific topic. With thousands of ASHRAE members and non-members checking the ASHRAExCHANGE 24/7, the hope is the online discussions will generate plenty of thoughts and comments from many knowledgeable people, according to Morasch.

Anyone with access to the Internet can view posts, comments and messages on the ASHRAExCHANGE at any time. No registration is necessary, and neither is the need for special software, as everything is web-based.

Users who want to become active participants and be able to post both initial messages and responses to posts are required to register.

To ensure that the online discussions are professional and in good taste, volunteer moderators are on duty to ensure proper use of the ASHRAExCHANGE. Since discussions and posts are informal and being made in real time, it is not possible to check the technical accuracy of information posted. It is expected that the ASHRAExCHANGE will be "self correcting," if there are any technical errors posted, someone will post a correction as a reply.

"However, no one should use any information posted on the ASHRAExCHANGE as the basis of a design," Morasch said. "The intention is to help get participants pointed in the right direction or open the thought processes."

Chapter Officers and Committee Chairs

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