



December 18, 2012: Vol. 55, No. 04

Produced by: Tony Finch  
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.

## Congratulations Larry Akers!



### ANNOUNCEMENT

Friberg Associates Inc. wishes to announce the changes within the firm during the past year. Last February, Larry Akers was named President of the firm. At that time Josh Schmidt was named a Principal along with David McDonald.

Larry has been a member of ASHRAE since 1980 and became a life member in 2012. During those years he has served on numerous committees serving the Fort Worth Chapter, Regional and Society. He has been with FAI since 1969.

In November, 2012, Larry became an Owner of FAI along with Bobby Terry. Bobby worked for FAI previously as an electrical engineer and they both share the responsibility of the daily management and decisions for the firm.

Mr. Emil Friberg is now Board Chairman and remains a stockholder. Mr. Bobby Alexander is currently the Vice-President and remains a stockholder.

Next Chapter Meeting

Meet Sustainable Design Standards with DCV

Dec 19, 2012  
11:30 A.M.Carter::Burgess  
Plaza  
777 Main St.  
40th Floor  
Fort Worth, TX[Click here for map.](#)

## December Program – December 19, 2012

**Date:** December 19th, 2012

**Time:** 11:30 a.m. – 1:00 p.m.

**Location:** Carter Burgess Plaza Petroleum Club – 40<sup>th</sup> Floor

**Topic:** Meet Sustainable Design Standards by using DCV, Demand Controlled Ventilation Systems

### Speaker Info.

**Christian Hagensen, MBA**

National Sales Manager

Christian has been associated with the ENEVEX group of companies since 1998.

He has worked in most facets of the company, including administration, as a manufacturer's representative, and now as part of the management team. He has worked as a sales representative for United Energy Products in Crofton, MD - a manufacturer's representative of venting systems and boilers - and started ENERVEX's branch office in Chicago, which he turned into a major player in Chicagoland.

Christian has extensive experience working with owners, architects, engineers, and contractors in the design and construction of buildings, both domestically and internationally. He has been an active member for both the national chapters of ASHRAE and the USGBC, as well as the local chapters in Chicago, IL.

Christian holds a BA in Management from Georgia State University and an MBA degree from DePaul University, Chicago, with concentrations in Entrepreneurship and Strategy, Execution, & Valuation.

### Presentation Outline

1. Understand the benefit of Demand Controlled Ventilation systems to promote low-energy installations.
2. Introduce comprehensive exhaust and venting systems solutions to meet the owners and architects' demand to building aesthetics, safety and efficient use of space.
3. Introduce energy saving calculations based on certified field studies allowing for LEED qualifying points.
4. Introduce an approved and listed system for a single venting system that accommodates multiple fireplaces in multi-story apartments and condominiums.
5. Show how DCV systems can enhance property value through space savings and energy savings.

## October Meeting Minutes – Board of Governors

### Call to Order by Tony Finch at 10:40 am

Members in attendance – Tony Finch, Keith Woodlee, Bill Lueg, Mark Harris, Jay Sullivan, Sean Rath, Richard Watters, Saul Martinez, John Maryak, David Muzzy, Travis Brunkenhoefer, Clif Upham, Nick Schroeder, Ian Bost, Dan Merkel

### President

- o \*\*\*\*\*No meeting in November due to the Thanksgiving Holiday\*\*\*\*\*
- o Help is still needed for the committee for refrigeration
- o New Chairs – Mark Harris – Brandt Engineering
- o Connie Staudt – Control Tech Supply
- o Doug Ekstrom – Purdy McGuire
- o Full Circle was achieved. The Chapter members will be challenged to contribute
- o Sam Gunderson – The Fort Worth Better Buildings Challenge (The BBC)
  - o DOE program for buildings located in the city of Fort Worth to pledge to reduce energy consumption by 20%
  - o Progress will be reported every 6 months
  - o ASHRAE Fort Worth will be a supporting member
- o Budget was distributed for approval of the BOG members
- o Volunteering at the Annual Meeting - Reminder
- o Anyone volunteering at schools will be eligible for the President's award

[CLICK HERE TO  
CONTRIBUTE!](#)

# October Meeting Minutes – Board of Governors (cont.)

## Officer Reports

### *President-Elect (Finch)*

- Nothing to report

### *Secretary (Sullivan)*

- Transfer of duties is complete
- The roster sponsorship letters will be sent early in November with a goal of having the roster printed by the December meeting

### *Treasurer (Upham)*

- Scholarship checks will be distributed for the UTA Student Chapter officers
- CRC funding was discussed
- Tony Finch makes a motion to approve budget, Richard Watters 2nds. Budget approved.

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

- Maryak & Muzzy - Invitations to Energy Managers – Dan Merkel will attend a meeting of Energy Engineers on 10/18 to see if we can have a joint meeting or will benefit from mutual membership.

## Committee Chairman Reports

### *CTTC (Schroeder)*

- There are openings in the spring for presentations
- The ethics seminar will be held during one of the spring meetings

### *Historian (Brunkenhoefer)*

- Travis will meet with Patty to transfer duties

### *Honors & Awards (Akers)*

- Nothing to report

### *Membership Promotion (Woodlee)*

- Nothing to report

### *Refrigeration (Lueg)*

- The society refrigeration lecturer was contacted about potential dates

### *Research Promotion (Watters)*

- \$32k is our new goal. It reflects a 10% increase over last year. \$1425 has been raised to date which is roughly 4% of the goal
- \$425 was committed to the Lynn Bellinger Endowment
- Richard will follow up on the specifics of establishing a Tom Romine endowment at the Society level

### *Special Events (Rath)*

- There are 18+ hold sponsors for the tournament
- Currently 14 teams are signed up
- There will be a putting contest for either of the endowments that we have established.

### *Student Activities (Bost)*

- UTA Student officer scholarships will be awarded
- Each student chapter will hold 2 meetings/year

### *Webmaster (Pace)*

- Address on the web. Contact info / contact us / in the footer.
- Volunteer area in place of the Random pics. Unless we get a lot of random pics.
- Functionality of PDHs for video watching was discussed

## Old Business

- All old business was discussed in the committee reports.

## October Meeting Minutes – Board of Governors (cont.)

### New Business

- There will be no meeting in November.

### Closing

Motion to close – JS, 2<sup>nd</sup> - NS

## October Meeting Minutes – General Business

### Call to Order – Self introductions

- 84 members in attendance

### Old Business

### New Business

- Approve Meeting Minutes for last month – Akers motion, Muzzy 2<sup>nd</sup>, approved
- **Next meeting will be in December**
  
- Meeting Videos are posted on the chapter website
- Need Help – Committee Member for Refrigeration
- New Chairs –
  - Mark Harris – Brandt Engineering
  - Connie Staudt – Control Tech Supply
  - Doug Ekstrom – Purdy McGuire
- Full Circle – Thank you & Challenge
- \$32k is the 2012-2013 RP goal.
- No new members this past month.
- Reach out to your friends and neighbors in order to increase membership and attendance
- One new Student Member: Samuel Batista with Texas Tech
- Four UTA student members and their Faculty Advisor are here today –
  - Scholarships awarded to the following UTA chapter officers
    - *Rick Eiland - President*
    - *Marianna Vallejo - Vice President*
    - *Cornelius Nwagwu - Secretary*
    - *Shreyas Sampath - Treasurer*
- Annual meeting costs will be handled for volunteering for 4 hours at the January Convention
- Student Activities
  - Volunteers needed
- Survey
- Anyone volunteering at local schools will be eligible to receive the chapter President's award
- Sam Gunderson – BBC – see BOG meeting minutes

### Program

- Dale Missey is a Professional Engineer in the state of Missouri and holds a BSEE from the Missouri University of Science and Technology. Dale currently resides just outside of St. Louis, MO, and has worked for Cooper Bussmann in various technical and sales roles for the past 13 years. In his current role as Manager of Field Application Engineers, he manages 11 Technical Sales individuals around the country, working to provide technical expertise and specification for Cooper Bussmann's entire product portfolio which contains Fuses, Fuseholders, Power Distribution Blocks, Disconnect Switches, Terminal Blocks, Assemblies, Surge Protection and Wireless Communications.
- Presentation Outline
  - Presentation synopsis/agenda
  - Interrupt Rating
  - Short Circuit Current Rating
  - SCCR in NEC and UL
  - Importance of SCCR
  - How to comply

## October Meeting Minutes – General Business (cont.)

- The presentation is located on the ASHRAE Fort Worth website

### Special Events

- Golf Tournament – 10/29 Great Southwest, 1:30 shotgun start
- Registration forms are available

### Closing

- **Reminder – No MEETING in November**
- Next meeting is December in the same location.
- Please fill out speaker evaluation forms.

## Treasurer's Report – Clif Upham

STARTING BALANCE DATE	12/1/2012
NEW BALANCE DATE	12/13/2012
<b>Treasurer's Report</b>	<i>Clif Upham</i>
<u>Financial Data:</u>	
Starting Balance (12/1/12):	<b>\$ 16,635.87</b>
Deposits:	
12/4/2012 - Johnson Controls ASHRAE Golf Tournament Fee	\$ 650.00
<b>Subtotal:</b>	<b>\$ 650.00</b>
Payments:	
<b>Subtotal:</b>	<b>\$ -</b>
<b>New Balance as of 12/13/12:</b>	<b>\$ 17,285.87</b>

## PE Review Class for April 2013 Exam

The West Texas Section of ASME is investigating interests in a Review Class for the April 2013 PE Exam. Please pass this information to any that may be interested.

Review Class for April 2013 Professional Engineer Exam

If you are interested in the review class, please contact me, Richard Wakeland, by Dec. 15. Typically Classes are held at TCU on Saturday mornings from 8 am until noon for 8 sessions. The fee will depend on the number of attendees. The text will be the Mechanical Engineering Reference Manual by Lindeburg available from [www.ppi2pass.com](http://www.ppi2pass.com). Prices for the book are increasing Dec. 7, 2012 Contact for me for information about 10% discount.

Please respond to [rl\\_wakeland@fti-industries.com](mailto:rl_wakeland@fti-industries.com) or call my cell phone at 817-372-8373.

Thanks,  
Richard  
**Richard Wakeland, PE**  
*Chief Engineer*  
*Fluidic Techniques*  
*A Division of FTI Industries*  
*Phone: 817-473-4481*  
*Fax: 817-473-6318*

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# HVAC Design: Level I — Essentials Training Coming to the AHR Expo

## HVAC Design: Level I—Essentials

ASHRAE's *HVAC Design: Level I — Essentials* training provides intensive, practical education ideal for recent technology or engineering school graduates, engineers new to the HVAC field, those who need a refresher in new technologies, and facility managers, sales representatives and others who need to gain an understanding of HVAC systems.



In three days, gain practical skills and knowledge in designing, installing 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. Engineered drawings of the ASHRAE Headquarters renovations will be incorporated to expose attendees to plan reading and a graphical understanding of system design.

### Training Topics:

- Fundamentals
- Heating/Cooling Load Calculation
- System Selections
- Common System and Components
- Cooling System
- Basic Design of Hydronic Systems
- Basic Design of Air Systems
- Control/BAS Commissioning
- Sustainable Design
- Project Management and Other Soft Skills
- Introduction to Technical Sales

Register here 

### HVAC Design: Level I — Essentials

**When:** January 30–February 1, 2013

**Where:** Crowne Plaza Dallas Market Center  
7050 Stemmons Fwy, Dallas, TX 75247

**Cost:** \$1,239 (ASHRAE Member: \$989)

**Company Discount:** Enroll 3 or more participants from the same company at the same time and save.

**BONUS!** FREE copy of The Green Standard and User's Manual. A \$200 value.



## **YOUR ASSISTANCE REQUESTED: Applicants for Washington, DC engineering and public policy internship needed**

U.S. ASHRAE leaders-

ASHRAE's Government Affairs Office needs your help in publicizing the 2013 Washington Internship for Students of Engineering (WISE), which is a great professional development opportunity for ASHRAE student members.

### **BACKGROUND**

Founded in 1980 through the collaborative efforts of several professional engineering societies, the Washington Internships for Students of Engineering (WISE) has become one of the premier Washington internship programs. The program's goal is to groom future leaders of the engineering profession in the United States who are aware of and who can contribute to the increasingly important issues at intersection of science, technology and public policy.

Each year, the WISE societies select outstanding 3rd year or 4th year engineering/computer science students, or students in engineering/computer science graduate programs, from a nation-wide pool of applicants. The students spend nine (9) weeks in the summer in Washington, DC during which they learn how government officials make decisions on complex technological issues, and how engineers can contribute to legislative and regulatory public policy decisions. ASHRAE's Government Affairs Office hosts an outstanding engineering student every summer through this program.

### **THE ASKS**

- Please forward the above information and [this link](#), which directs interested individuals to the application process, to your student members at your earliest convenience as the deadline for applications is fast-approaching (December 31).
- Direct programmatic inquiries you receive about this program to Mark Ames, manager, Federal Government Affairs at [mames@ashrae.org](mailto:mames@ashrae.org), or if an individual wishes to apply, please direct them to the above link.
- If possible, please include this information on your respective chapter/regional web pages, in newsletters, etc.

Thanks in advance for your attention and responses,  
Mark Wills

Mark Wills, Manager - State and Local Government Affairs  
Extension: 1003 Fax: 202-833-0118 eMail: [MWills@ashrae.org](mailto:MWills@ashrae.org)



**ASHRAE has certified more than 1,300 HVAC professionals. Are you one of them? Earn recognition for your knowledge and expertise.**

All six of ASHRAE's certification exams will be administered at the 2013 ASHRAE Winter Conference and AHR Expo in Dallas on **January 30, 2013**.

- **Building Energy Assessment Professional (BEAP)**
- **Building Energy Modeling Professional (BEMP)**
- **Commissioning Process Management Professional (CPMP)**
- **Healthcare Facility Design Professional (HFDP)**
- **High-Performance Building Design Professional (HBDP)**
- **Operations & Performance Management Professional (OPMP)**

To participate in this exam administration, please submit an application by **January 11, 2013** for the program in which you're interested. There will be no on-site registration and seating is limited. To get started, go to [www.ashrae.org/ASHRAEcertificationatAHR](http://www.ashrae.org/ASHRAEcertificationatAHR).

The ASHRAE Learning Institute has scheduled one of its most popular courses to coincide with the exams in Dallas. Apply to earn your certification and then register for the [online 90.1 course](#) to focus your study efforts.



## Chapter Officers and Committee Chairs

### **OFFICERS**

President	Daniel C. Merkel	414-807-0204	<a href="mailto:daniel.merkel@mail.ashrae.org">daniel.merkel@mail.ashrae.org</a>
President-Elect	Tony Finch	817-656-6076	<a href="mailto:tonyfinch@mail.ashrae.org">tonyfinch@mail.ashrae.org</a>
Secretary	Jay Sullivan	817-805-0020	<a href="mailto:jay.sullivan@mail.ashrae.org">jay.sullivan@mail.ashrae.org</a>
Treasurer	Clif Upham	214-483-5000	<a href="mailto:clif.upham@engineeredair.com">clif.upham@engineeredair.com</a>
Governor	David Muzzy	817-257-4928	<a href="mailto:d.muzzy@tcu.edu">d.muzzy@tcu.edu</a>
Governor	Richard Watters	817-338-1277	<a href="mailto:richard.watters@mail.ashrae.org">richard.watters@mail.ashrae.org</a>
Governor	Richard Long	817-354-2898	<a href="mailto:RLL@summitmep.com">RLL@summitmep.com</a>
Governor	John Maryak	817-838-7400	<a href="mailto:john.maryak@texasairsystems.com">john.maryak@texasairsystems.com</a>

### **COMMITTEE CHAIRS**

Audit	Phil Farco	817-267-8651	<a href="mailto:phil_farco@mason-dallas.com">phil_farco@mason-dallas.com</a>
Chapter Technology Transfer	Nick Schroeder	817-272-9075	<a href="mailto:nschroeder@uta.edu">nschroeder@uta.edu</a>
Historian	Travis Brunkenhoefer	817-793-2325	<a href="mailto:travis.brunkenhoefer@texasairsystems.com">travis.brunkenhoefer@texasairsystems.com</a>
Honors and Awards	Larry Akers	817-336-0543	<a href="mailto:lakers@fribergassociates.com">lakers@fribergassociates.com</a>
Newsletter	Tony Finch	817-656-6076	<a href="mailto:tonyfinch@mail.ashrae.org">tonyfinch@mail.ashrae.org</a>
Membership	Keith Woodless	817-416-2881	<a href="mailto:keithw@encoremechanical.com">keithw@encoremechanical.com</a>
Refrigeration	Bill Lueg	817-296-8883	<a href="mailto:wblueg@me.com">wblueg@me.com</a>
Research Promotion	Richard Watters	817-338-1277	<a href="mailto:richard.watters@mail.ashrae.org">richard.watters@mail.ashrae.org</a>
CRC	Patty Parrish	817-791-3227	<a href="mailto:patty.parrish@us.belimo.com">patty.parrish@us.belimo.com</a>
Student Activities	Ian Bost	817-272-9075	<a href="mailto:ian.bost@mail.ashrae.org">ian.bost@mail.ashrae.org</a>
Golf	David Muzzy	817-257-4928	<a href="mailto:d.muzzy@tcu.edu">d.muzzy@tcu.edu</a>
Special Events	Sean Rath	817-338-1277	<a href="mailto:srath@bhvinc.com">srath@bhvinc.com</a>
Webmaster	Cody Pace	817-338-1277	<a href="mailto:cody.pace@mail.ashrae.org">cody.pace@mail.ashrae.org</a>
YEA	Saul Martinez	682-521-6981	<a href="mailto:smartinez@bhvinc.com">smartinez@bhvinc.com</a>
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PO Box 893  
Fort Worth, TX 76101