



# The PENNANT

Newsletter of the  
ASHRAE® Central Pennsylvania Chapter

<http://www.cenpenn.ashraechapters.org/>



## President's Message...

Dear ASHRAE Members:

This is an exciting time to be an ASHRAE member. Society is moving forward and reinventing itself. ASHRAE has often been viewed as a large bureaucratic organization, acting slowly in a fast moving world. Those days are over! ASHRAE has reorganized and reenergized, and is now becoming the world leader on sustainability and energy efficiency. Most people outside of the engineering world have never heard of ASHRAE, but in a few years, we *will be* a household name.

In addition, ASHRAE has put into place the people, tools, and strategies to achieve these goals year after year. One of the keys to this achievement is the activity of the local chapters. The Central PA Chapter is therefore taking significant steps to support the success of the Society.

First and foremost is an exceptionally strong slate of meetings. President-Elect Bob Miller has put together a first rate meeting schedule. Each meeting will have a technical session in addition to a main topic. This format allows us to provide tremendous value at each meeting. Consultants, contractors, vendors, manufacturers, and students will benefit from the mix of breadth and focus offered at each meeting. And if that isn't enough there will be a beer sponsor for each meeting!

Tom Long, chair of the Education Committee, is also leading the way with plans for three professional development seminars. The topics will be announced soon. These seminars offer unequaled educational value. Please avail yourselves of these opportunities.

There are other exciting things coming in the 2006/2007 ASHRAE year, and future updates will keep you informed of these new opportunities and fun activities. However, our main focus as we begin this year is to get you to join us at our monthly meetings. So invite your colleagues and join us for a free beer, good food, excellent speakers and topics, and some fun surprises along the way!

Many Thanks,

Jason T. Richwine, P.E.  
President  
Central PA ASHRAE

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### Inside this Issue

September Meeting Information  
2006/2007 Schedule

Program Cards

Professional Development Seminars

A Word About Research Promotion  
AHR Expo in Dallas  
General Announcements

**Wednesday, September 13, 2006**

<b>3:30 – 5:00</b>	<b>Board of Governors Meeting</b>
<b>5:00 – 5:30</b>	<b>Social</b>
<b>5:30 – 6:15</b>	<b>Technical Session: Air Filtration Basics</b> by Randy Leaman, Principle ACIA
<b>6:15 – 6:30</b>	<b>Research Promotion</b>
<b>6:30 – 7:30</b>	<b>Dinner – Catered Buffet</b>
<b>7:00 – 8:15</b>	<b>Program ASHRAE 62 IAQ Ventilation</b> by Charlie Waddell, VP Bioclimatic

PROGRAM: ASHRAE 62 IAQ VENTILATION:

The after dinner discussion will be on ASHRAE Standard 62 indoor air quality procedure. Charlie Waddell will provide an overview of the new ventilation requirements in 62.1-2004 slated to be adopted into the international mechanical code. He will discuss methods to reduce outside air to 5 CFM per person in most applications and still be in compliance with ASHRAE Standard 62, local and national codes. In addition, various air cleaning technologies that allow the reduction of outside air quantities will be discussed.

**Charlie Waddell**, is the Executive Vice President of Bioclimatic Air Systems, a leading manufacturer of Air Purification Systems for Indoor Air Quality, Odor/Air Pollution Control, and Corrosion Protection. Mr. Waddell's experience includes designing mechanical, electrical, refrigeration and control systems in the commercial and industrial HVAC markets. Prior to joining Bioclimatic Air Systems, Mr. Waddell was a Regional Sales manager and submittal engineer for Des Champs Technologies, and a Field electrical Engineer for Siemens Medical. Mr. Waddell holds a BSEE and BSEM from Old Dominion University.

TECHNICAL SESSION: BASICS OF AIR FILTRATION

The topic that Randy will be discussing will be complying with ASHRAE 52.2, new technologies and impacting LEED certification requirements.

**Randall R. Leaman** is a principal owner of Airborne Contamination Identification Associates, Ltd. ACIA is a filter distributorship located in York, PA. Randy holds certifications as a "Certified Indoor Air Quality Professional". One of 250 "Certified Indoor Air Quality Professionals" in the United States. He is also a NADCA "Certified Air Systems Cleaning Specialist" and a "Certified Ventilation Systems Mold Remediator". Randy has over 16 years of industry experience as one of the leading sales people in the Central PA area. Randy's experience includes designing filtration systems that meet customers requirements whether is it for pollution control or for hazardous exhaust systems or clean room supply air.

**Meeting Location:  
ACIA Corporate Office & Showroom  
2 Interchange Place, Suite D York, PA  
Phone # 717-542-9674**

**Reservations:** <mailto:Robert.Miller@mail.ashrae.org>

**Deadline: Friday September 8th at 1:00 p.m. PLEASE!**

Program Cost: **\$ 30.00** Retired/Students: **\$ 5.00**

**Note to all Chapter Officers and Committee Chairs:** Chapter Officers, Board Members and Committee Chairs have standing reservations. If you do not RSVP by the deadline, you will be billed for the fun time you missed.

**Please provide:**

Your Name: Company: Phone: Sessions: ASHRAE Member or Student Member

**Note to all Chapter Officers and Committee Chairs:** Chapter Officers, Board Members and Committee Chairs have standing reservations. If you do not RSVP by the deadline, you will be billed for the fun time you missed.

**Drections:**

**From Harrisburg:**

83 South to Exit 24 Emigsville

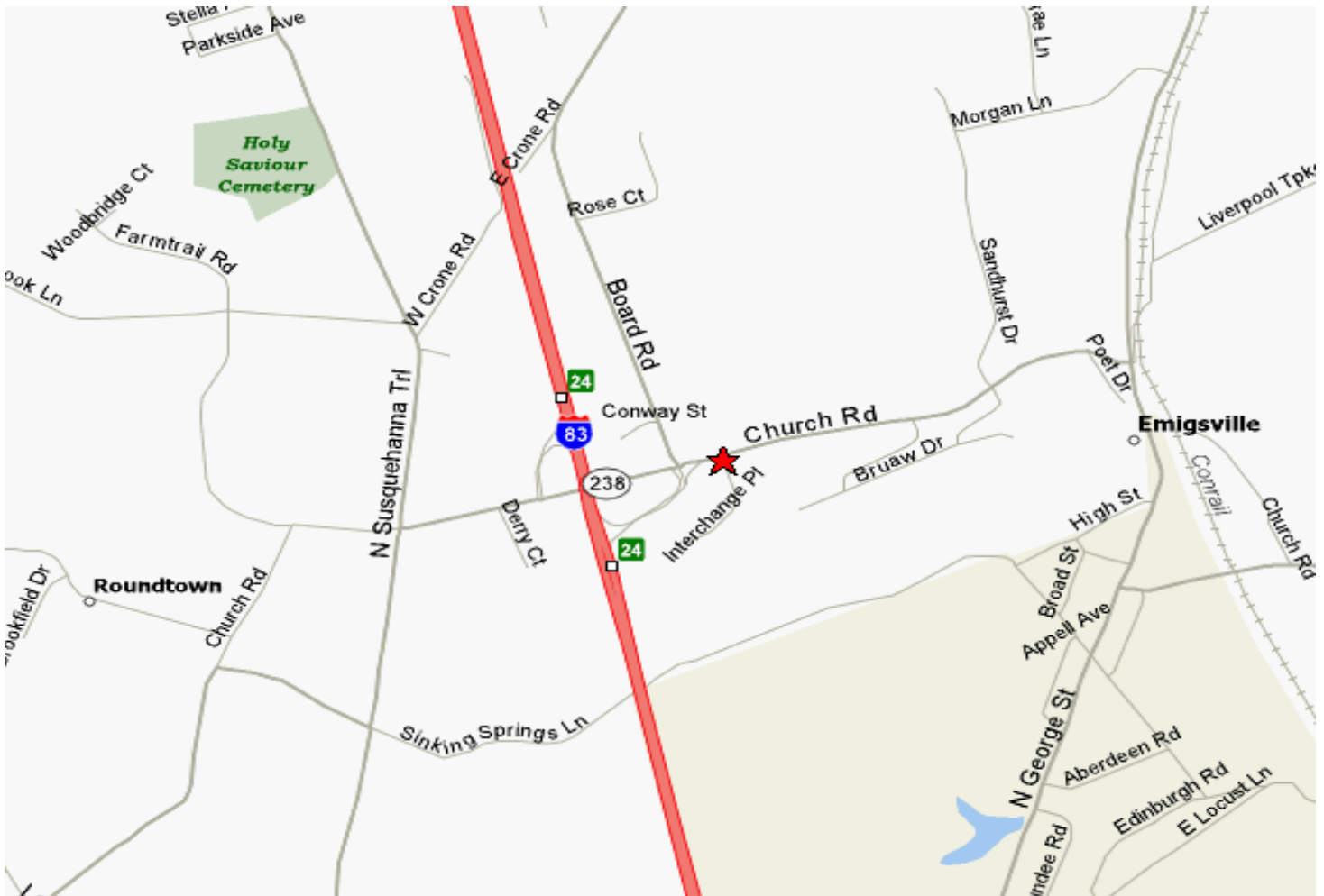
**From Lancaster:**

30 West to 83 North

83 North to Exit 24 Emigsville

**From York:**

83 North to Exit 24 Emigsville



# ASHRAE of Central Pennsylvania Schedule of Events 2006 2007

EVENT	TOPIC/DESCRIPTION	DATE
<b>Research Promotion and Donor Recognition Night</b>		
Location: ACIA's Training Center      2 Interchange Place, Suite D York PA		September 13, 2006 717-767-1850
<b>Beer sponsored by ACIA &amp; Coward Environmental Systems, Inc.</b>		
Program	<b>ASHRAE 62 IAQ Ventilation</b>	By Charles Waddell Bioclimatic Air Systems
Tech Session	<b>Filtration Basics</b>	Randy Leaman of ACIA
<b>Regular Meeting</b>		
Location: Whitaker Center Harrisburg		October 11, 2006
Program	<b>Current Events in Structural Vibration</b>	Werner Stebner, PE Vice President of Sales Amber Booth
Tech Session	<b>Vibration Control or Tour</b>	
<b>Membership Promotion Night</b>		
Location: Appalachian Brewery Company Harrisburg <i>Joint Meeting with RSES &amp; RETA</i> <b>Beer token night</b>		November 8, 2006
Program	<b>Variable Flow Chiller Plant Design</b>	<b>By Julian de Bullet</b> <b>ASHRAE Distinguished Lecturer</b>
Tech Session	<b>CO2 System Design</b>	By Ole Christensen M & M Refrigeration
<b>Professional Development Seminar</b>		
<b>Underfloor Air Distribution Systems</b> Presented by Fred Bauman, University of California, Berkeley Post Seminar tour of York's UFAD Lab		November 2006
<b>Past Presidents &amp; History Night</b>		
Location: TBD <b>Beer sponsored by TBD</b>		December 13, 2006
Program	<b>Past Present and Future of Boiler Technology</b>	Cleaver Brooks
Tech Session	<b>Burners</b>	Mark Marx of Del Val
<b>Research Promotion Night</b>		
Location: TBD <i>Joint Meeting with GBACPA &amp; AEE</i> <b>Beer sponsored by TBD</b>		January 10, 2007
Program	<b>Cutting Edge of Photovoltaic Development</b>	<b>John Asbury, PHD</b> <b>The Pennsylvania State University</b>
Tech Session	<b>Mixer</b>	
<b>Professional Development Seminar</b>		
More information to follow		January 2006
<b>Regular Meeting</b>		
Location: TBD		February 14, 2006
Program	<b>Uniform Construction Code Update</b>	TBD
Tech Session	<b>TBD</b>	TBD
<b>Membership Promotion Night</b>		
Location: TBD <i>Joint Meeting with RSES &amp; RETA</i> <b>Beer to be sponsored by TBD</b>		March 14, 2007
Program	<b>Multi Stack Chillers</b>	Keller Equipment Sales
Tech Session	<b>Energy Code Requirements For Chiller Control</b>	NRG
<b>Professional Development Seminar</b>		
<b>Dan Holohan</b> Entertaining education from one of the best in the business!		April 2006 More information to follow
<b>Student Activities Night &amp; Awards Night</b>		
Location: Appalachian Brewery Company		April 11, 2007
Program	<b>Student Presentations and Awards</b>	Rachel Voigtland of Carrier
<b>Family, Donor Recognition, &amp; Volunteer Night</b>		
<b>Senator's Baseball Outing</b> Location: City Island		May 2007
<b>Research Promotion Outing</b>		
<b>ASHRAE Golf Outing</b>		August 2007

Pre - Paid Program Cards are now available!



Get 1 free program and 2 guest passes!  
Pass it around your office!

Order yours by emailing  
[Robert.Miller@mail.ashrae.org](mailto:Robert.Miller@mail.ashrae.org)

Or Call  
717-664-0106

**ANNUAL BASEBALL OUTING, GOLF EVENT, AND PROFESSIONAL DEVELOPMENT SEMINARS ARE NOT INCLUDED.**

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## **Upcoming Professional development seminars. Watch for further information**

Tentative November 2006 – Fred Bauman, University of California, Berkeley; Underfloor Air Distribution Systems. Post-seminar tour of York's UFAD lab. Date and location to be announced.

Tentative April 2007 – Dan Holohan. Entertaining education from one of the best in the business! Dan's seminars are well attended all over the country. Date and location to be announced.

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## **Research Promotion Committee Announcement**

This meeting is our Donor Recognition Night. We take this opportunity to officially thank our members and companies that have contributed to the ASHRAE Research Promotion campaign during the past year. The contributions to be recognized are on the Honor Roll level of over \$100 for an individual contributor or over \$250 for a corporate contributor.

The *Research Promotion Campaign* annually raises funds to support ASHRAE's research program. It is conducted by the Society's membership through local chapter volunteers and receives over 7,000 contributions each year from the membership and companies associated with the HVAC&R industry.

This annual support totals more than \$1.5 million annually and is matched dollar-for-dollar by ASHRAE from the proceeds of the annual winter AHR Exposition. Since ASHRAE pays all the fund raising expenses, **100% of every donor's invested dollar goes into the research program.**

Members can submit individual or company contributions with their dues payment, or by allocating all or a portion of their reimbursements on the Travel Vouchers, or by sending their contributions to their chapter's Research Promotion chair. Companies can also send their research investments to their local ASHRAE chapter chair or directly to ASHRAE headquarters made payable to *ASHRAE Research* and addressed to: Research Promotion, 1791 Tullie Circle, Atlanta, GA 30329.

ASHRAE, Inc. is a 501(c)(3) non-profit organization. Contributions from citizens and businesses are deductible as allowed by law.

# **2007 AHR Expo Dallas Convention Center January 29-31**

HVAC/R Engineers need **INFORMATION**...fresh, new, innovative, ahead of the curve, practical information to excel in their jobs.

Next January in Dallas, the AHR Expo and ASHRAE will pull together in one place all of the resources an engineer could ask for to generate creative alternatives and make the best decisions.

- Of the 1,600 plus exhibitors, research has indicated that 57% will be showing their newest products of specific interest to engineers. Many exhibiting companies will also bring their own top engineers to discuss project specifics.
- ASHRAE will be offering Professional Development Seminars and Short Courses for which attendees will receive PDH's.
- Endorsing Associations will be offering brief educational sessions with an emphasis on practical application.
- ASHRAE's Winter Meeting will offer numerous opportunities to learn about cutting edge technologies, best practices..etc
- With tens of thousands of HVAC/R professionals converging on Dallas, there will be limitless networking opportunities.
- Two special sections on the show floor make it easy to find the latest in Building Automation & Controls and Industry related Software. For three days in January engineers will be able to gather a tremendous amount of valuable information by visiting two concurrent events in ONE place: **the 2007 AHR Expo and ASHRAE's Winter Meeting.**

**[www.ahrexpo.com](http://www.ahrexpo.com)**

# Bulletin Board

## ***Announcements***

<b><i>Promotions</i></b>
<b><i>New Employees</i></b>
<b><i>New Members, Membership Transfers, &amp; Membership Upgrades</i></b>
Welcome Robert Amick, Gary Booth, James Brewster, Pat Doyle, Joel Gerace, Vipin Goel, John Kleinfelter, Charles Kline, Charles Munchel, Kevin Wade, Donnie White, William White, and Kevin Winters to the Central PA Chapter!
Congratulations to John Filler Jr. and Robert Miller for their recent upgrade to Member status.
<b><i>Weddings/Births/Deaths</i></b>
<b><i>Anniversaries</i></b>
<b><i>Misc.</i></b>

**Put it in the Pennant -- Send your announcements to  
[gary.booth@mail.ashrae.org](mailto:gary.booth@mail.ashrae.org)**