



The PENNANT

Newsletter of the
ASHRAE® Central Pennsylvania Chapter

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



President's Message...

Dear ASHRAE Members:

Thank you for making our opening meeting a big success. There were 42 people in attendance, and we raised \$180 towards ASHRAE research in the 50/50 raffle! A thank you also goes to ACIA and Coward Environmental for providing the beer!

If you missed the meeting, you missed some great presentations. Randy Leaman gave us a great breakdown on filtration technologies, MERV ratings, and how to evaluate filters for different applications. He really helped us to understand why proper filtration is so important to air systems.

Charlie Waddell then spoke to us about ASHRAE 62 and different methods that are available to meet the standard. Air cleaning and purification can be more effective and more efficient than increasing OA quantities. They can even help you to reduce the OA requirements in a building. Charlie helped us to understand these concepts and why they are important to HVAC design. Thank you, Randy and Charlie, for sharing your valuable expertise!

October 11th is our next meeting. We'll be at the Whitaker Center in Harrisburg to learn all about structural vibration. Werner Stebner, VP of Sales at Amber Booth, will be our speaker. This promises to be an intriguing session that will include a tour to help satisfy our curious engineering minds. We hope to see you there.

For those of you who like to stay in touch with the college crowd, the Penn State Student Branch Chapter of ASHRAE will be meeting on October 9th in State College PA. Several of us are going to visit and meet with the students. If you're interested in coming, please contact me so we can give them fair warning!

Then on November 10th we will host Fred Bauman, foremost researcher on underfloor air distribution, for an all day professional development seminar. This PDS is the same course offered by ASHRAE at the Winter/Summer Meetings, but is only a fraction of the normal cost! Attendance will be capped, and this seminar will fill up so register early!

Many Thanks,

Jason T. Richwine, P.E.
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Meeting Agenda

[Wednesday, October 11, 2006](#)

5:00 – 5:30 **Social**
5:30 – 6:15 **Basics of Vibration Control** by Werner Stebner, VP Sales Amber/Booth Company
6:15 – 6:30 **Research Promotion**
6:30 – 7:30 **Dinner – Catered Buffet**
7:00 – 8:15 **Understanding Vibration Isolation/Seismic and how to manage your risk through Specifications** by Werner Stebner, VP Sales Amber/Booth Company

Presenter:

Werner Stebner, VP Sales Amber/Booth Company

Professional Engineer
International Lecturer on Vibration Isolation, Seismic Design
Carrier trained
SMACNA SM Contractor

Location:

Whitaker Center
222 Market Street, Harrisburg, PA 17101
Phone # 717-221-8201

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

Deadline: Friday October 6th at 1:00 p.m. PLEASE!

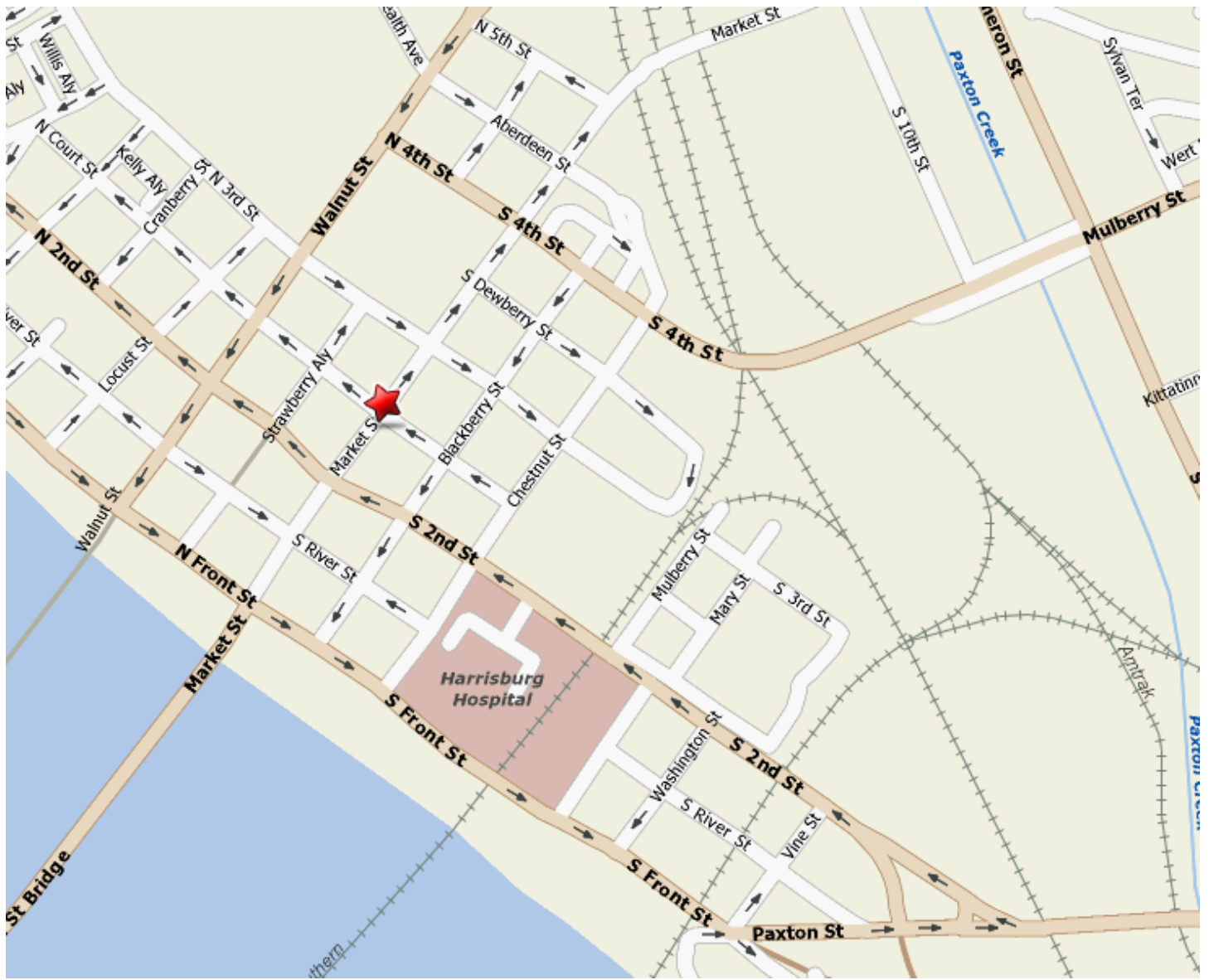
Program Cost: **\$ 30.00** Retired/Students: **\$ 5.00**

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.

Directions:

From Lancaster:
283 West to 83 South
Exit on to 2nd Street
Right onto Market Street

From York:
83 North
Exit on to 2nd Street
Right onto Market Street





PROFESSIONAL DEVELOPMENT SEMINAR

“Designing Underfloor Air Distribution (UFAD) Systems”

A FULL DAY SEMINAR OFFERED BY
THE CENTRAL PENNSYLVANIA CHAPTER OF ASHRAE

FRIDAY, NOVEMBER 10, 2006

YORK - A JOHNSON CONTROLS COMPANY - AUDITORIUM
631 S. Richland Avenue, York, PA

Presenter: Fred S. Bauman, P.E.
Center for the Built Environment at University of California, Berkeley

FRED S. BAUMAN, PE, is a Research Specialist with the Center for the Built Environment (CBE) at the University of California, Berkeley. Fred is the author of the *Underfloor Air Distribution (UFAD) Design Guide*, published by ASHRAE in 2003. He has conducted research in UFAD since 1987, and has led the development of CBE's world renowned research program on UFAD technology. Fred is frequently invited to speak on UFAD at workshops and conferences. He is an active member of ASHRAE, having served as Chair of TC 5.3 (Room Air Distribution), 1995-97, and Chair of SPC 113-1990 (Method of Testing for Room Air Diffusion), 1995-2002. He has received two Best Symposium Paper Awards from ASHRAE (1992, 1993), and in 1997 received the ASHRAE Distinguished Service Award.

Presentation will include discussion on:

- Diffusers and Stratification
- Underfloor Plenums
- Horizontal and Vertical Distribution
- Comfort and IAQ
- Load and Energy Calculations
- Commissioning
- UFAD Lab Demo/Open Discussion

SEMINAR COST

Cost for the Seminar is \$75.00, which includes continental breakfast, coffee/soda breaks and lunch. A copy of the ASHRAE UFAD Design Guide will be available at a special Seminar price of \$50.

Checks/cash will be collected at registration *on the day of the seminar*. Make checks payable to: CENTRAL PENN CHAPTER ASHRAE. *Sorry, we do not accept credit cards.*

RSVP

Email your RSVP to: Tom Long – thomas.long@mail.ashrae.org

Please RSVP by Friday November 3rd. This seminar will fill up quickly so RSVP early! Include your name, phone number, and company/school name. Also, tell us if you wish to purchase the UFAD Design Guide, and if you plan to stay for the UFAD laboratory demonstration.

SEMINAR SCHEDULE

REGISTRATION & CONTINENTAL BREAKFAST 7:45 – 8:30 AM

SEMINAR 8:30 – 3:00 PM (WITH COFFEE BREAKS & LUNCH INCLUDED)

UFAD LABORATORY DEMONSTRATION 3:15 – 4:30 PM – The lab demo is optional.



when
Tuesday, November 14th, 2006

1pm – 4pm Live Program

Join us at 12:30pm for a light lunch.

where
Trane Harrisburg Sales Office
3909 TecPort Drive
Harrisburg, PA 17111



Be our guest ... and attend this live, satellite broadcast as ASHRAE presents:

Multiple Benefits Solutions for Enhanced Building Security

Topics covered during this live satellite broadcast:

- Principles of risk management and how they can allow treatment of health, safety, and security issues that extend beyond those normally considered in current practice, codes, and standards

Panelists:

- George Glavis, P.E. – U.S. Department of State
- D. Scott Fisher, P.E. – State Farm Insurance Company
- James Woods, Ph.D., P.E. – The Buildings Diagnostics Research Institute, Inc.
- Richard Bielen, P.E. – National Fire Protection Association
- Ronald Vallort, P.E. – Ron Vallort and Associates, Ltd.

- The application and integration of architectural and engineering principles and practices to achieve the levels of acceptable risk and benefits as defined by the Risk Management approach

Panelists:

- Stuart Knoop, FAIA – Oudens + Knoop Architects, P.C.
- Andrew Persily, Ph.D. – National Institute of Standards and Technology
- William Coad, P.E. – Coad Engineering Enterprises
- Patrick Spahn, P.E.
- Lawrence Spielvogel, P.E. – Consulting Engineer

How do you register for this event?

- Complete the form provided below.
- Contact your Trane sales office with this information.
- Registration deadline: **Friday, November 10th, 2006**

To register: call Alicia Moore at 717.561.5405, or fax this form to 717.561.5499, or e-mail this information to acmoore@trane.com.

Yes! I plan to attend this Trane satellite broadcast:

Multiple Benefits Solutions for Enhanced Building Security

Your name _____

phone _____

e-mail _____

Your company _____

Number of attendees _____

ASHRAE of Central Pennsylvania Schedule of Events 2006 2007

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

STUDENT ACTIVITIES



NATIONAL ENGINEERS WEEK FUTURE CITY COMPETITION™



The **National Engineers Week Future City Competition™** seeks engineers and mentors from every field to volunteer this fall and winter to introduce middle school students across the nation to a career in engineering. Since its founding in 1992, the educational program has made engineering come alive for hundreds of thousands of students. For information on becoming a volunteer mentor, contact Rachel Voigtland at 717-443-1312 or visit

<http://www.asce-pa.org/futurecity.html> Please note you do **not** need to be a PE or even an EIT to be an engineering mentor! Students of engineering are also encouraged to volunteer!

SCHOLARSHIP

Please join the chapter in congratulating David Pirozzoli of Harrisburg on his award of the ASHRAE Society Associate Engineering Technology Scholarship for 2006-2007. David is a student at Harrisburg Area Community College and a member of the Phi Theta Kappa International Honor Society. The chapter will be presenting David with this award at the October 11th meeting.

FIRST PLACE!

Please join chapter the in congratulating the Penn State Student ASHRAE Chapter for taking home two first place awards at this year's annual meeting in Quebec City. The team won first place in both the HVAC System Design and HVAC System Selection categories. A great way to congratulate the students would be to do it in person at one of their meetings! The next meeting is Monday October 9th at Penn State University.



Check out their meeting schedule at <http://www.clubs.psu.edu/up/ashrae/>

2007 AHR EXPO[®]

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Dallas, TX

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or contact Show Management at Tel: 203.221.9232 • e-mail: info@ahrexpo.com

Bulletin Board

Announcements

Promotions

New Employees

New Members, Membership Transfers, & Membership Upgrades

Welcome Mr. Thomas I McIlwee, Mr. Michael Grinder, Mr. Amar Farjo, Mr. Daniel P Nadolny, and Mr. Daniel W Tyson to the Central PA Chapter!

Weddings/Births/Deaths

Kevin Stockton is getting married on October 21st. We would like to congratulate him and his fiancé, Stephanie.

Anniversaries

Misc.

***Put it in the Pennant -- Send your announcements to
brian.s.smith@jci.com***