



The PENNANT

Newsletter of the
ASHRAE® Central Pennsylvania Chapter

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

President – Bob Miller

robert.miller@mail.ashrae.org

President-Elect – Mark Tome

mark.tome@mail.ashrae.org

Vice President – Open

Treasurer – Todd Postlethwait

toddp@trianglerefrigeration.com

Secretaries – Rebecca Thompson and
Mark Graybill

becky.thompson@mail.ashrae.org

mark.graybill@mail.ashrae.org

Board of Governors

Jason Richwine, Past President

jason.richwine@mail.ashrae.org

Rachel Voigtland

rachel.voigtland@mail.ashrae.org

Rebecca Thompson

Mark Graybill

Programs – Mark Tome

Education Committee –

Thomas Long

thomas.long@mail.ashrae.org

Kirby Slear

kirby.slear@mail.ashrae.org

Carl Courtney

carl.courtney@mail.ashrae.org

Tom McKay

tom.mckay@mail.ashrae.org

Bill Blace

bill.blace@mail.ashrae.org

Research Promotion –

Gary Debes

gary.debes@mail.ashrae.org

Refrigeration Committee

Gary Debes

Publicity and Webmaster

Gary Debes

Student Activities –

Rachel Voigtland

Newsletter Editor – Brian Smith

brian.s.smith@ici.com

Student Branch Advisors

PA College of Technology

Thomas Ask

Thomas.ask@mail.ashrae.org

PSU Harrisburg

Michael Dideban

michael.dideban@mail.ashrae.org

PSU University Park

William Bahnfleth

william.bahnfleth@mail.ashrae.org

President's Message...



Dear Members,

Thank you to everyone that came out to our last meeting to hear Kent Peterson speak of “elegant” problem solving for energy efficiency and ASHRAE’s goal of “Net Zero” energy buildings by 2030. We had over 50 members who attended – fantastic! Not only that, but Kent provided an encore the next evening at our Penn State student branch which was attended by over 200 students.

Speaking of the Penn State student branch, check out their schedule of programs on the website. (Go to <http://cenpenn.ashraechapters.org> then link over using the “Penn State” tab. They have a full slate of educational programs that rival any chapter’s schedule. If you are in the State College area take advantage of this. The student’s and Dr. Bahnfleth will be pleased to be your host.

Looking ahead, Tom Long and the education committee have scheduled our first Professional Development Seminar for November 7th. Dr. Andy Persily, an ASHRAE Society VP and past chair of the ASHRAE SSPC 62.1 committee, will be speaking on **ASHRAE Standard 62.1: Why, What and How**. You won’t want to miss this preeminent expert’s discussion of the latest version of the standard and its implication for the design professional.

Finally, join us on October 10th for our program on SMACNA. We’ll first be touring G.R. Sponaugle’s sheet metal fabrication shop. We’ll then leave there and travel over to the Appalachian Brewing Company where we’ll hear the latest news on SMACNA standards from Eli Howard, Executive Director of Technical Services of SMACNA National.

Looking forward to seeing you at the meeting.

Sincerely,
Robert Miller

Inside this Issue

October Meeting Information
2007/2008 Schedule
Program Cards

November PDS

Membership Promotion Night

Persons who sign-up for Membership get in Free and Persons who bring a new member get in Free! Those who sign up will also receive a “Tool Kit”.

Wednesday October 10th, 2007

Appalachian Brewing Company, Harrisburg PA

50 N. Cameron St. Harrisburg, PA 17101

5:00 – 5:45 Sheet Metal Shop Tour @ G.R. Sponaugle & Sons, Inc.

6:15 – 7:00 Dinner

7:00 – 8:00 SMACNA Duct Construction Standard

Eli P. Howard, III, Executive Director of Technical Services of SMACNA National has the overall responsibilities of the more than 30 SMACNA Technical and ANSI Standards related to the HVAC and Sheet Metal Industry.

He is a member of ASHRAE Technical Committee 9.9 Building Commissioning, 9.7 Testing and Balancing, 5.10 Kitchen Ventilation and SSPC 62.1 Ventilation and Acceptable IAQ in Commercial, Institutional and High-Rise Residential Buildings.

Prior to joining SMACNA he was Manager of Technical Program Development for NEMI providing technical assistance to contractors in energy engineering and IAQ technologies. His experience also includes work with Marriott International as Mechanical Engineer for design/construction of hotels in the United States, Hong Kong, and Poland.

Mr. Howard holds a degree in Mechanical Engineering from Allegheny College.

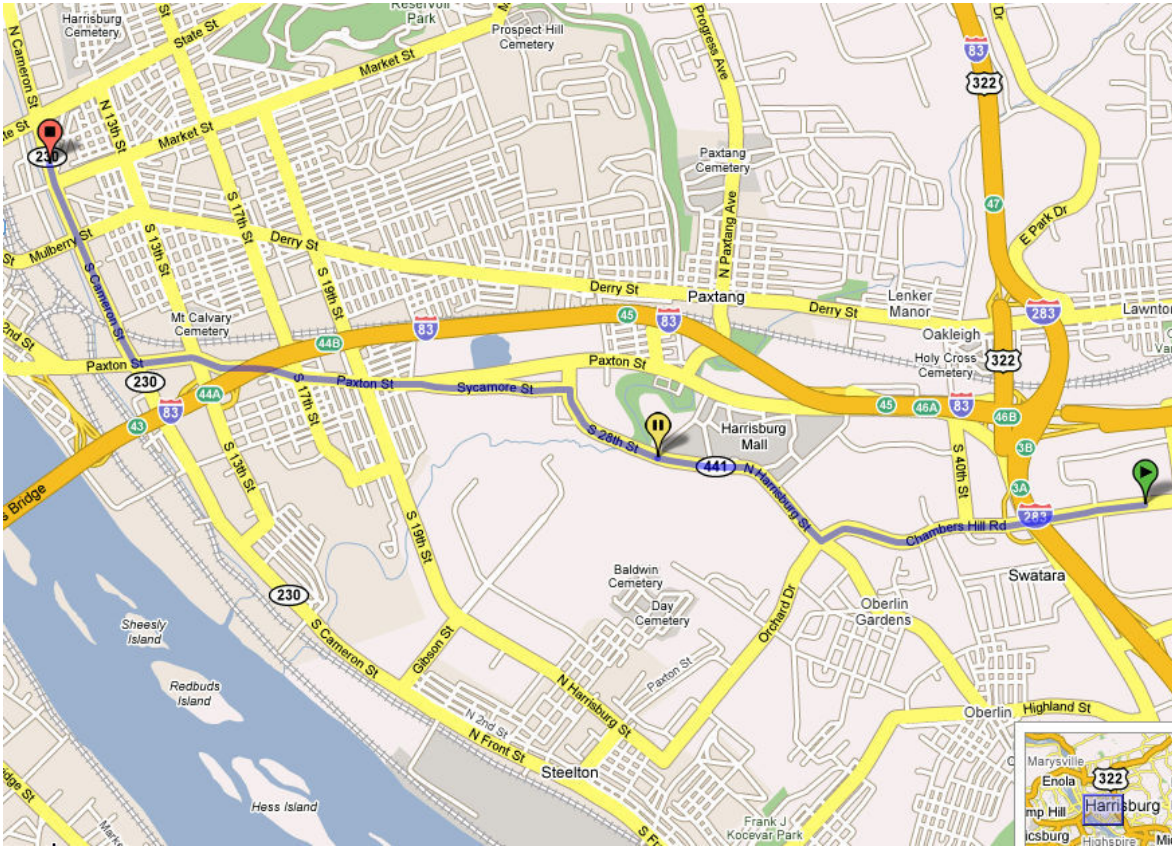
Reservations: mat@ba-inc.com or (717) 845-7654 ask for Mark Tome

Deadline: Monday, October 8th at 1:00 p.m. PLEASE!

Cost: \$ 30.00 Retired: \$ 5.00 Students: Free

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 to G.R. Sponaugle](#)
[Directions From G.R. Sponaugle to ABC](#)
[Directions to ABC](#)



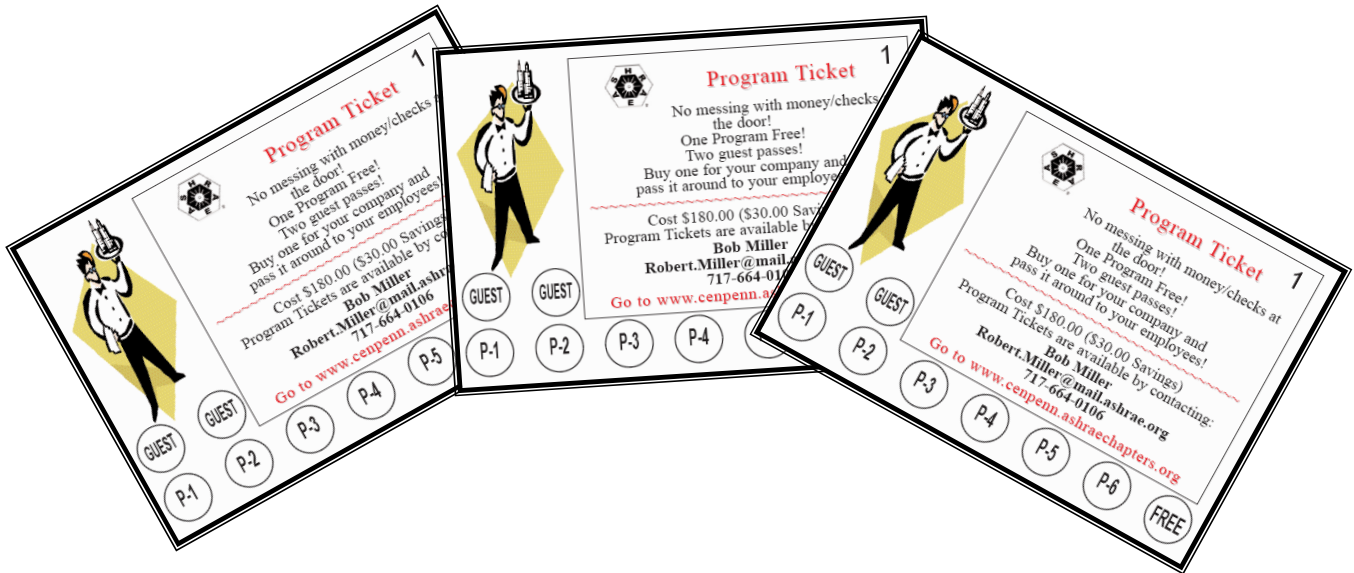
ASHRAE Central PA – Current Schedule of Events

DATE & Location	Event	Description
September 12 – ABC Harrisburg Tech Session Program	Past Presidents TBD ASHRAE President Kent Peterson	Greater Efficiency Today Blue Skies Tomorrow
October 10 – ABC Harrisburg Tech Session Program	Membership Promotion Sheet Metal Shop Tour New SMCNA Duct Construction Manual	Bring a new member and you both get in Free! Eli Howard from SMCNA
November 7 – ABC Harrisburg Tech Session Program	Research Promotion TBD Andy Persily, ASHRAE VP Topic TBD	
December 12 – TBD Tech Session Program	History Night Variable Refrigerant Volume Land Fill Gas Reclaim	Multiple Fan Coils with Single DX Compressor Overview of the Frey Farms/Turkey Hill Dairy Operation
January 9 – TBD Tech Session Program	BACNet/LonWorks Solar & Wind Power	
February 13 – York Tech Session Program	YEA Night Tour – Under Floor A.D. Lab Domestic Water Heat Pumps	Use condenser heat from a chiller to heat domestic water
March 12 – Lancaster Tech Session Program	Air Products Tour HVAC Estimating	Presentation and Round Table Discussion
April 9 – ABC Harrisburg Tech Session Program	Student Activities Night Social with Students Thesis Presentations by AE Students	
May	Family Night York Revolution Baseball Game	
July	Golf Outing to benefit ASHRAE Research	

Check the chapter website for updates to the schedule.

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

Pre - Paid Program Cards are now available!



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

Order yours by emailing todd@trianglerrefrigeration.com
Or Call
717-656-5720

Annual baseball outing, golf event, and professional development seminars are not included.



PROFESSIONAL DEVELOPMENT SEMINAR

ASHRAE Standard 62.1: Why, What and How?

A SEMINAR OFFERED BY

THE CENTRAL PENNSYLVANIA CHAPTER OF ASHRAE

WEDNESDAY, NOVEMBER 7, 2007

HOLIDAY INN, NEW CUMBERLAND, PA

EXIT 40A, I-83

Just North of PA Turnpike Exit 242

Presenter: **Andrew K. Persily, Ph.D.**
National Institute of Standards and Technology
Leader, Indoor Air Quality Group - Building Environment Division

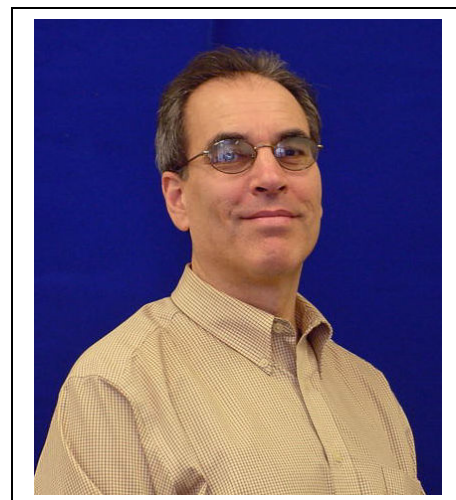
Dr. Persily is intimately involved with indoor air quality and ventilation in commercial and residential buildings. His work includes the development and application of measurement techniques to evaluate airflow and air quality characteristics in a variety of building types, including large, mechanically ventilated buildings and single-family dwellings. He is also involved with the development and application of multi-zone airflow and contaminant dispersal models.

Dr. Persily is currently a **Vice-President of ASHRAE**, and is past chair of ASHRAE SSPC 62.1, responsible for the revision of the ASHRAE Ventilation Standard 62. He is a past chair of ASTM Subcommittee E6.41 on Air Leakage and Ventilation Performance and vice-chair of subcommittee D22.05 on Indoor Air Quality.

Dr. Persily's first two years at the National Bureau of Standards were as a National Research Council Postdoctoral Research Associate, working on air infiltration in homes and large buildings. He received the Department of Commerce Bronze Medal in December 1989, and was named Young Engineer of the Year by the D.C. Council of Engineering and Architectural Societies in 1990. He was named an ASTM Fellow in 2002 and an ASHRAE Fellow in 2004.

Dr. Persily's education includes Beloit College, B.A., Physics and Mathematics, 1976; Princeton University, M.A., Mechanical and Aerospace Engineering, 1979; and Princeton University, Ph.D., Mechanical and Aerospace Engineering, 1982

ASHRAE Standard 62 has been the preeminent ventilation and indoor air quality standard since it was first issued in 1973. As our understanding of indoor air quality issues has increased, as new HVAC technology has been developed and in the face of various trends in the building and HVAC industries, the standard has continued to evolve over the years, with the latest release designated as ANSI/ASHRAE Standard 62.1-2007. This Professional Development Seminar will consist of a thorough treatment of the standard, beginning with a history of the standard including the motivations for its development and revision over the years. The latest version of the standard will be reviewed, with a detailed discussion of the requirements and their implications for practice. This discussion will focus on the Ventilation Rate Procedure by which design outdoor air intake values are calculated. Finally, pending revisions and other issues impacting the standard into the future will be discussed. These issues will include the relationship of the standard to energy use, sustainability and code adoption.



SEMINAR COST

Cost for the Seminar is \$40.00, which includes continental breakfast and coffee/soda break.

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.*

All attendees will receive a Certificate of Attendance documenting 4 Professional Development Hours.

RSVP

Email your RSVP to:

Tom Long – thomas.long@mail.ashrae.org

Please RSVP by Friday November 2nd. This seminar will fill up quickly so RSVP early! Include your name, phone number, and company/school name.

SEMINAR SCHEDULE

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

SEMINAR 8:30 – 12:30 PM