



The PENNANT

Newsletter of the
ASHRAE® Central Pennsylvania Chapter

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President's Message....



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Dear Members,

It is that time of year when we are turning on the heat and lessening our outdoor activities. What to do with the extra time? How about improving your engineering knowledge and enjoying social time with your colleagues.

With that in mind, our programs committee has produced very informative topics for your education. Please join us November 9th for our monthly meeting on writing performance base specifications and our November 18th professional development seminar on Life Skills and Leadership for Engineers. We are also very excited to have our society President Elect in town next month to discuss the future of ASHRAE.

Our meeting on the 9th is also our membership promotion evening. If you bring a person that joins ASHRAE that night or that you just signed up on line, both of you will get in the meeting for free.

Last month we recognized members and corporate sponsors that have contributed, over and above, the annual dues. We sincerely thank all of you for your generosity.

We look forward to seeing all of you this month in New Cumberland and thank you once again for your continual support.

Respectfully,

Glenn DiEsposti
President
Central PA ASHRAE

Inside this Issue

[November 2005 Meeting Agenda](#)
[Schedule of Upcoming Events](#)
[Bulletin Board](#)
[Member Announcements](#)

Meeting Agenda

Wednesday, November 9, 2005

5:00 – 6:00 Social Hour
6:00 – 8:15 Dinner, Presentation,

Topic: Performance Based Specifications – An Objective Standard of Quality.

James Voitel

James Voitel is Application Manager for the Custom AHU business unit of York International.

He began his career in the Consulting Engineering and Mechanical Contracting arena. Jim transitioned to Sales and served as a Systems Sales Engineer for several years with the Trane Company. His focus for the past few years has been on business development and marketing. He has 28 years of field and factory experience in the HVAC and Energy Services industries.

He holds a BS degree in Architecture and HVAC Engineering from Temple University and an MBA in Sales and International Marketing from Philadelphia University. He has also received his Certified Energy Manager (CEM), Certified in Plumbing Engineering (CIPE), and Refrigerant Handling designations.

Holiday Inn Hotel and Convention Center
Interstate 83 & PA Turnpike
New Cumberland, PA
Phone # 717-774-2721

Reservations:

Deadline: Monday November 7th at 1:00 p.m. PLEASE!

Program Cost: \$ 25.00 With Advance Reservation
\$ 30.00 At the door
\$ 5.00 Retired/Students

To make reservations, email Penny Ness at: penny.ness@york.com

Put "ASHRAE Reservation" in the title of the email.
Multiple reservations may be made in one email if names are given.

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.

Directions: From Harrisburg:
83 South to Limekiln Road Exit

From Lancaster:
283 West to Pa Turnpike
Pa Turnpike West one exit (HBG east)
North 83 to Limekiln Road Exit

From York:
83 North Limekiln Road Exit



Central Pennsylvania Chapter ASHRAE 2005-2006 Programs

DATE	EVENT LOCATION	TOPIC/DESCRIPTION
November 9, 2005	Holiday Inn – New Cumberland	Writing Performance Based Specifications Membership Night
November 18, 2005 Professional Development Seminar	Holiday Inn – New Cumberland	“Life Skills and Leadership for Engineers” Dr. David Goldberg, Professor in Entrepreneurial Engineering Director, Illinois Genetic Algorithms Laboratory Department of General Engineering University of Illinois, Champaign-Urbana
December 14, 2005	Appalachian Brewing Company – Harrisburg	Terry Townsend, ASHRAE President-Elect will discuss the Future of ASHRAE Past Presidents Night
January 11, 2006	Tour – Masonic Homes, Elizabethtown	Masonic Homes co-gen plant Research Promotion Night
February 9, 2006	Holiday Inn – New Cumberland	Document Management and Discovery – How Documents and E-mails are Used in Litigation ASHRAE Distinguished Lecturer Chris McDonald, Esquire Membership Night
February 24, 2006 Professional Development Seminar		Bell & Gossett “Little Red Schoolhouse” Hydronic system design
March 1, 2006	Holiday Inn – New Cumberland	Capitol Complex Chiller Plant Design Refrigeration Night
April 12, 2006	Appalachian Brewing Company – Harrisburg	Penn State AE Student Project Presentations Student Night
April 28, 2006 Professional Development Seminar	Holiday Inn – New Cumberland	“Innovative Design of Air and Water Systems to Conform to ASHRAE 90.1 and to Improve Indoor Air Quality” Evans J. Lizardos, P. E. ASHRAE Distinguished Lecturer from Lizardos Engineering Associates, Mineola, NY
May 10, 2006	Senator’s or Barnstormer’s Ballgame - TBD	Family Night
July 2006	ASHRAE Golf Outing	Heritage Hills Golf Course York, PA

Bulletin Board

Planning on taking the Fundamentals of Engineering or Professional Engineering Exam in April 2006?

Penn State Harrisburg is offering the Fundamentals of Engineering and the Civil/Sanitary/Structural, Environmental and Electrical Professional Engineering Review **courses starting in the fall 2005**

They are taught by engineering faculty as well as professional engineers working in the field and prepare you to take the exam by practicing problem solutions, minimizing test anxiety and establishing built-in study time.

According to the National Council of Examiners for Engineering and Surveying, licensure is a sign of commitment to your profession. Obtaining a professional license enhances your potential for salary increases and promotions, leads to a wider range of career opportunities, and a higher level of respect and credibility among your engineering peers.

For additional information contact:

Brenda L. Firestone
Penn State Harrisburg
717-948-6538, blf3@psu.edu
or visit the website <http://www.hbg.psu.edu/ce/noncredit/profengrev.shtml>



Central PA Chapter CRC AWARDS:

PAOE

History & RP ribbons for level 3 performance (PAR)

Resource Promotion

Full Circle
Silver level contribution award
Goalbuster performance

Nominations are now being accepted for the 2006 National Engineers Week Awards to be presented by the Central Pennsylvania Engineers Week Council.

The Engineers Week Council anticipates honoring three individuals who have made outstanding contributions to the engineering field with the following awards:

Engineer of the Year - Presented to a registered Professional Engineer over the age of 36.

Young Engineer of the Year - Presented to a registered Professional Engineer or EIT under the age of 36.

Technical Achievement Award - Presented to an individual contributing to the engineering profession, but not a registered Professional Engineer or EIT. This award recognizes a person's entire career, and not a specific project.

The awards will be presented at the National Engineers Week Banquet to be held on Thursday, February 23, 2006.

Nomination applications, including complete eligibility requirements for each of the awards, are attached. In addition, the applications are available to download from the Central Pennsylvania Engineers Week Council website (www.cpewc.org).

Applications must be submitted by e-mail either as a Word document or in .pdf format. The Nominee Acceptance - Nominator Recommendation sheet (last page of the application) must be signed by the nominee and the nominator and mailed or delivered to the Awards Committee for the application to be complete.

The Central Pennsylvania Engineers Week Council invites and strongly encourages nominations from each of the member organizations of the Engineers Week Council. There is no limit to the number of nominations that may be submitted by a member organization.

All applications must be received by November 23, 2005.

Please note that a nominee may use others to assist in completing the application, and that although award recipients are invited to participate on the Engineers Week Council, there is no obligation to do so.

The Engineers Week Council thanks you for your assistance in helping us promote the engineering profession by nominating outstanding members of your organization. If you have any questions, feel free to contact me at 717-763-7212 ext 2765, or kmarkel@gfnet.com.

Keith D. Markel, P.E.
Chair - Awards Committee

ASHRAE Research Plan Provides Guide for a Sustainable Future

ATLANTA – Providing navigation for a sustainable future is the goal of a new research strategic plan developed by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).

The plan outlines ASHRAE's research goals for the next five years. It centers on sustainability, which is defined as "the concept of maximizing the effectiveness of resource use while minimizing the impact of that use on the environment."

"Research and technology are the foundation of ASHRAE on which everything else is built," said John Mitchell, Ph.D., P.E., chair of the Research Advisory Panel that developed the plan. "With issues related to energy conservation, refrigeration and indoor air quality facing our industry, our foundation must remain strong."

The plan contains goals in five targeted areas. These include:

Energy and Resources

- Provide guidance on techniques to working toward achieving net zero-energy use by 2015, meaning buildings that consume equal or less energy than they produce on an annual basis.
- Produce by 2015 new residential and light commercial buildings that have 70 percent less energy use than buildings built at the turn of the millennium according to ASHRAE Standard 90.2, Energy-Efficient Design of Low-Rise Residential Buildings.
- Optimize and make consistent ASHRAE Standards 90.1, Energy Standard for Buildings Except Low-Rise Residential Buildings, 62.1, Ventilation for Acceptable Indoor Air Quality, and 55, Thermal Environmental Conditions for Human Occupancy, to achieve measured and verified high system energy efficiency with high indoor environmental quality (IEQ) for indoor built environments.
Indoor Environmental Quality
- Make improvements in occupant health and comfort that can yield a 20 percent increase in productivity by 2015.
- Provide an optimal indoor environment for buildings, vehicles and facilities with respect to comfort, productivity, health and safety.
- Provide better understanding of how contagious viruses are transmitted in an indoor environment and develop remediation techniques and equipment to minimize exposure.

Tools and Applications

- Develop more effective tools that will improve the productivity of the design process by 25 percent by 2015.
- Develop dual path standards where paths are prescriptive based and performance based.
- Develop a measurement-based rating system to establish the environmental performance of a building and its system.
- Provide design guidance for buildings and systems to address the past and expected change in climatic conditions.
Equipment, Components and Materials
- Establish techniques to improve the energy efficiency and reliability of heating, ventilating, cooling and refrigeration system components.
- Improve performance and reliability and minimize the environmental impacts of working fluids and materials.
- Advance ASHRAE's role in the safety and security of food distribution.
- Develop techniques that reduce the installed energy use of HVAC&R system auxiliary equipment by 50 percent by 2015.
Education and Outreach
- Make the results of ASHRAE sponsored and cooperative research available to the technical community.
- Ensure that ASHRAE research has an international impact.

To view the plan or for more information on ASHRAE's research program, visit <http://www.ashrae.org/research>.

ASHRAE, founded in 1894, is an international organization of 55,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve the evolving needs of the public.

Announcements

Promotions

New Employees

New Members/Transferred Memberships

New Members

Andrew Barnes – Centerpoint Engineering
Sheila Sagerer – Energy Opportunities
Timothy Albright – SAIC
Timothy Wilson – York International
Mary Stewart Fitzgerald – Fitzgerald Engineering

Transferred from other chapters to Central Pennsylvania Chapter

Scott Henriques – York International
Rachel Voigtland – Carrier Corporation

Weddings/Births/Deaths

Congratulations to Glenn DiEsposti and his wife Christie, they were married on September 24, 2005

Anniversaries

Misc.

*Put it in the Pennant -- Send your announcements to
eric.zanolini@mail.ashrae.org*