



The PENNANT

Newsletter of the
ASHRAE® Central Pennsylvania Chapter
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President's Message....



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Dear Members,

We would like to thank Hemant Mehta on his presentation on chilled water central plant troubleshooting. The discussion was very informative yet gave a logical approach to piping and unit configurations issues.

We also want to thank Tony Digmanese of York International for providing us with an informative technical session on the current and future status of refrigerants.

The 2005/2006-year is fast coming to an end and we have only four more events to come.

Please welcome The Penn State University A/E students this month as they will present their senior thesis. Yes, as always it is at our favorite location, ABC Brewing Co.

We also have a professional development seminar this month presented by our Education Committee. Air and water design as it relates to efficiency and ventilation standards.

Well after that it is social time with a Lancaster Barnstormer game in May and our always favorite, golf outing in York. Information on the golf outing will be sent to all in the very near future.

Please review all the details in this pennant and we look forward to seeing all of you

Respectfully,

Glenn DiEsposti

Inside this Issue

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Meeting Agenda

[Wednesday, April 19, 2006](#)

3:30 – 5:00 **BOG Meeting**
5:00 – 6:00 **Social Hour**
6:00 – 8:15 **Dinner, Presentation,**

Topic: Pennsylvania State University Architectural Engineering Thesis Presentations

Pennsylvania State University is recognized as one of the top Architectural Engineering programs in the country, the Penn State AE Department is dedicated to providing outstanding academic excellence to all of our students. The AE program is focused on preparing students and conducting research in the design, engineering, and construction of building projects.

Architectural Engineers apply scientific and engineering principles to the design and construction of buildings and building systems Architectural Engineering encompasses topics from various disciplines, including architecture, structural engineering, mechanical engineering and electrical engineering. At Penn State, Architectural Engineering is a five-year program leading to an ABET-accredited, professional Bachelor of Architectural Engineering degree.

A common confusion is the distinction between Architecture and Architectural Engineering. Architects are responsible for the form and appearance of a building with a focus on the way that people use and experience the spaces of the building. The Architectural Engineer is responsible for ensuring that "the building works" - that it stands up, that the HVAC system operates, that light and power are delivered as needed. Architectural Engineers use primarily the tools of engineering to achieve optimum system selection and sizing within the overall constraints usually set by the Architect.

We will hear the comprehensive 5th year thesis presentations from 3 of the top students in the Mechanical discipline of Architectural Engineering.

Meeting Agenda

Wednesday, April , 2006

3:30 – 5:00 BOG Meeting
5:00 – 6:00 Social Hour
6:00 – 8:30 Dinner, Presentation

Program:

Presentations of Senior Projects by Student Branch Chapter Members at the Pennsylvania State University (Architectural Engineering).

Presenters:

Pennsylvania State University (Architectural Engineering)

Appalachian Brewing Company
50 North Cameron Street

Harrisburg, PA
Phone # 717-221-1080

Reservations:

Deadline: Monday April 17th 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.

DATE	EVENT LOCATION	TOPIC/DESCRIPTION
September 14, 2005	Tour Elks Lodge York	Compressor Technology
October 12, 2005	Holiday Inn – New Cumberland	Heat Recovery Donor Appreciation Night
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 & Leadership for Engineers" Dr. David Goldberg, Professor in Entrepreneurial Engineering Director, Illinois Genetic Algorithms Laboratory Department of General Engineering Univ. of Illinois at Urbana-Champaign
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	Holiday Inn – New Cumberland	- Bell & Gossett "Little Red Schoolhouse" - hydronic system design
March 1, 2006	Holiday Inn – New Cumberland	Capitol Complex Chiller Plant Design Refrigeration Night
April 19, 2006	Appalachian Brewing Company – Harrisburg	Penn State AE Student Project Presentations Student Night
April 28, 2006 Professional Development Seminar		"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



PROFESSIONAL DEVELOPMENT SEMINAR

“Theory and Design of Air and Water Systems with Innovative Applications to conform to ASHRAE 90.1 and Improve Indoor Air Quality”

A SEMINAR SPONSORED BY
THE CENTRAL PENNSYLVANIA CHAPTER OF ASHRAE

FRIDAY, APRIL 28, 2006

HOLIDAY INN, NEW CUMBERLAND, PA
EXIT 40A, I-83

Just North of PA Turnpike Exit 242

Presenter: Evans J. Lizardos, P.E. – an ASHRAE Distinguished Lecturer
Founder and President of Lizardos Engineering Associates, P.C., Mineola, NY

Topics:

- The intent of the presentation is to present good design practices employed in air and water systems.
- Using specific examples of these design principles, the presentation will show how to prevent mold and explain techniques that allow you to increase central chilled water plant capacity while utilizing the existing central chilled water distribution system.

Evans J. Lizardos, P.E. is a founder and President of Lizardos Engineering Associates, P.C., a mechanical/electrical consulting engineering firm located in Mineola, NY. Evans received a Bachelor of Mechanical Engineering degree from Polytechnic University. He is a LEED 2.1 Accredited Professional, and is actively involved in many engineering associations, including ASHRAE, ACEC, ISA, NFPA, AEE and ASME. Evans has received awards for his professional accomplishments as well as his service the community, including the ASHRAE ALCO Award for distinguished public service, ASHRAE Past Presidents Award for continued service to the Long Island Chapter; Energy Engineer of the Year by the New York City Chapter of the Association of Energy Engineers; and Humanitarian Award for support of the Guide Dog Foundation for the Blind.

SEMINAR COST

Cost for the Seminar is \$25.00, which includes coffee/sodas.

Checks/cash will be collected at registration *on the day of the seminar*. *Sorry, we do not accept credit cards.*

Checks to be made out to: CENTRAL PENN CHAPTER ASHRAE

Please email your registration to: Tom Long at thomas.long@mail.ashrae.org
Phone: 717-763-7212 x2997
Fax: 717-763-9357

SEMINAR SCHEDULE

REGISTRATION 12:30 – 1:00 PM

SEMINAR 1:00 – 4:00 PM

EVANS J. LIZARDOS, P.E.

EVANS J. LIZARDOS, P.E., is a founder and President of Lizardos Engineering Associates, P.C., a mechanical/electrical consulting engineering firm located in Mineola, NY. Evans received a Bachelor of Mechanical Engineering degree from Polytechnic University.

Evans, a LEED 2.1 Accredited Professional, hosted a U.S. Green Building Council led full-day workshop on LEED for 100 of LEA's clients. He currently lectures on Sustainable Design and LEED Accreditation to various professional organizations.

He is actively involved in many engineering associations including the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), American Council of Engineering Companies (ACEC), Instrumentation Systems and Automation Society (ISA), National Fire Protection Association (NAPA), Association of Energy Engineers (AEE), and the American Society of Mechanical Engineers (ASME).



Evans is past president for the state organization and LI Chapter of ACEC and served as President of the LI Chapter of ASHRAE, and received the grade of Fellow of ASHRAE in 1988. He was Chairman of the 1999 ASHRAE Handbook Committee, and currently he is Chairman for 18 chapters of the ASHRAE Refrigeration Handbook. Evans was a contributing author for the 1996 edition of the Complete Building Equipment Maintenance Desk Book.

He has received certification by the Association of Energy Engineers as an Energy Manager, Demand-Side Management, Indoor Air Quality, and Cogeneration Professional. He was a lecturer for ASHRAE, IEEE, AEE and ASME sponsored courses and was an instructor for a Hofstra University curriculum in Process, HVAC and Industrial Controls.

He has received awards for his professional accomplishments as well as his service to the community, including the ASHRAE ALCO Award for distinguished public service, ASHRAE Past Presidents Award, for continued service to the Long Island Chapter; ASHRAE New York City Chapter Award for his service and devotion to the organization; the Distinguished Service Award which ASHRAE awards for technical service; Certificate of Merit from the American Society of Plumbing Engineers as a member of the "Interim Board of Directors in the Formation of the New York City Chapter"; Engineer of the Year presented during National Engineers Week by the Engineers Joint Council of Long Island; Certificate of Appreciation from "The National Professional Engineering Hall of Fame"; the Energy Engineer of the Year by the New York City Chapter of the Association of Energy Engineers; Engineer of the Year from the New York State Professional Engineers; Engineer of the Year from the Association of Energy Engineers, and Humanitarian Award for support of the Guide Dog Foundation for the Blind, and a Leadership Award for his four year tenure as Chairman of the Board for the Heart Council of Long Island.

Evans and his wife, Helen, live in Manhasset Hills, Long Island, NY. They have three children John, Lynn and Paul and five grandchildren.

Bulletin Board

Make plans to attend the upcoming Professional Development Seminar April 28, 2006

To make reservations contact Thomas Long
thomas.long@mail.ashrae.org

Presenter - Evans J. Lizardos, P.E.

ASHRAE Distinguished Lecturer from Lizardos Engineering Associates,
Mineola, NY

Program - "Innovative Design of Air and Water Systems to conform to ASHRAE 90.1
and to improve Indoor Air Quality"

ASHRAE Family Night

Lancaster Barnstormers

vs.

Bridgeport Bluefish

Wednesday May 10th at 7:05 PM

650 North Prince Street, Lancaster, PA

Tickets include seats in the picnic pavilion and a buffet dinner - BBQ Chicken, Hamburgers, Hot Dogs, Corn on the cob, Salads, desserts, and drinks!

To RSVP, email penny.ness@york.com with names and ages of those planning to attend.

Please give a **tentative RSVP** by April 10th

Final RSVP is due by May 5th

Ticket Prices:

Adults (13+) \$25

Youth (6-12) \$21.50

Children (2-5) \$10



Announcements

<i>Promotions</i>
<i>New Employees</i>
<i>New Members/Transferred Memberships</i>
<i>Weddings/Births/Deaths</i>
<i>Anniversaries</i>
<i>Misc.</i>

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