ASHRAE Philadelphia Chapter

May 2012
Volume 47, Issue 8

INSIDE THIS ISSUE:

COSTS

Fees are based on online reservations and prepayment.

Philadelphia Chapter Members:
$30

ASHRAE Members - Non-Chapter Members:
$40

Non- ASHRAE Member:
$40

Young Engineers (35 & under):
$25

Students:
$10

QUAKER CITY CLIMATE

Thursday, May 17, 2012

"Dealing with Dampers - Smoke/Fire Damper Requirements of the International Code"

presented by

Mark Jelinske, PE
Cator-Ruma Associates

5:00 PM to 6:00 PM Social Hour/Cash Bar
6:00 PM to 7:00 PM Dinner
7:00 PM to 8:00 PM Presentation

Click here to Register

RSVP by May 16, 2012

This is Past Presidents Night.

LOCATION

Holiday Inn Historic District
400 Arch Street
Philadelphia, PA 19106
215-923-8660

Please note that the Holiday Inn no longer provides free parking in the attached parking garage. Nearby parking can be found using the Parking Authority's online locator service at http://philapark.org/locator/.

PRESENTATION SUMMARY

This seminar will discuss the requirements contained in the IBC and IMC for the locations of fire and smoke dampers in HVAC ducts and transfer air openings. This presentation will identify the locations where Fire Resistive Construction is required, identify requirements for HVAC systems penetrating Fire Resistive construction, and discuss common areas of confusion, including where dampers are NOT required.

2011- 2012

President
Bob Finkboner

President-Elect
James Piscopo, PE, LEED AP

Vice President
Jared Johnson, PE

Treasurer
Mike Witkowski, PE

Secretary
Ashley Lester, PE, LEED AP

Senior Governor
John Pardekooper, PE

Governors
Ashley Lester, PE, LEED AP
Mark Maguire, PE, LEED AP
Casey Younkins
Eric Zanolini

Web Site Editor
Gary Debes

Chapter Technology Transfer Committee Chair
Mark Maguire, PE, LEED AP

Research Promotion Chair
Gary Debes

School Coordinators
James Lill, PE
Jeff Crozier, PE

Refrigeration
Michael Calabrese, PE, CEM, LEED AP

Student Activities Committee Chair
Ashley Lester, PE, LEED AP

Membership Promotion Chair
Kevin Goodwin, LEED AP

Education Chair
Ashley Lester, PE, LEED AP

Programs Committee Chair
James Piscopo, PE, LEED AP

Chapter Historian
Justin Mazur

Young Engineers in ASHRAE
Casey Younkins

President's Message

We are getting very close to the end of another successful year of our Chapter! We have just a few more great events before we wrap up the year. We will be having an installation of officer's ceremony prior to the dinner meeting in May. Please come to celebrate and help me welcome the President for 2012-2013, and all of the other Philadelphia Chapter Officers. Everyone is encouraged to join us and bring along friends/family/associates that might be interested. Also come out and reconnect with some of the past presidents as they will be part of the traditional end of year Past Presidents Night gathering.

It has been feeling like spring for quite some time, so hopefully you have had a chance to dust off the old clubs. Some of us need all the practice we can get on the greens before we go in front of our peers at the **ASHRAE Golf Outing** on June 1. Don't forget to sign up for this great event held again at the Northampton Valley Country Club.

In closing, I would like to thank Mike Calabrese for setting up the Mod VII tour at the University of Pennsylvania. I hope you enjoyed it and found it informative. It is people like Mike that help make a difference to our engineering community…thanks again, Mike.

See you on the 17th.

Bob Finkboner
Philadelphia Chapter President
c021@ashrae.net

May Speaker Bio

Mark Jelinske, PE
Cator, Ruma, and Associates

Mark Jelinske is a Senior Associate at Cator, Ruma, and Associates and has over 25 years of experience with mechanical building systems. Mark is involved in the codes and standards development process of NFPA and ICC documents as well as healthcare specific standards. He is an ASHRAE member and past president of the Rocky Mountain Chapter, is the Colorado Chapter Code Advocate for the American Society of Healthcare Engineering, and is a member of the NFPA and the International Code Council.

Coming Soon! The New 2012-2013 Directory!

If you have not done so yet and are looking for ways to enhance your marketing, there is still space available to advertise your company. We feature both a section for engineers and a section for Manufacturers Representatives.
Please contact Hope Silverman for additional information at hope@mmco1.com or 610-971-2169.

Building Energy Modeling Professional (BEMP) Certification

Many architects and building owners are inexperienced with using energy modeling as a tool in building design to help in the energy efficiency decision-making process. ASHRAE's BEMP certification program assesses an individual's ability to evaluate, choose, use, calibrate and interpret the results of energy modeling software for building and systems energy performance.

BEMP certification demonstrates a well-rounded understanding of the building energy modeling process, including defining the project, choosing the correct modeling program, incorporating important aspects of the building being modeled, and interpreting the results of the simulation. The certification was developed in collaboration with the US affiliate of the International Building Performance Simulation Association (IBPSA-USA) and the Illuminating Engineering Society (IES).

The exam is available on computer at proctored testing centers through Applied Measurement Professionals, Inc., which has testing centers in Center City Philadelphia, Wilmington, DE and Robbinsville, NJ.

This is in addition to the other five certification programs currently available:

- High-Performance Building Design Professional;
- Healthcare Facility Design Professional;
- Building Energy Assessment Professional;
- Commissioning Process Management Professional;
- Operations and Performance Management Professional.

Additional information is available on the ASHRAE Website at www.ashrae.org/certification. Or you can email the Philadelphia Chapter Technology Transfer Chair (Mark Maguire) at c021cttc@ashrae.net.

ASHRAE Philadelphia Chapter Supports Coalition for an Energy-Efficient Philadelphia

The ASHRAE Philadelphia Chapter recently signed on as a supporter of the Coalition for an Efficient Philadelphia (CEEP). This is a broad coalition of businesses, institutions, citizens, and organizations working together to achieve a higher degree of energy efficiency in all buildings in Philadelphia to stimulate economic growth, create jobs, save money for residents and businesses, and increase sustainability in all neighborhoods.

Supporters endorse the CEEP overall goal. Contact Janet Milkman at jmilkman@dvgbc.org or Liz Robinson at liz@ecasavesenergy.org for more information.

Please see the flyer on pages 8 and 9 of this newsletter.

Young Engineers in ASHRAE Spring Social
Phillies Game
Philadelphia Phillies versus Washington Nationals
May 23rd, 2012 – 7:05 PM

Philadelphia's ASHRAE chapter invites all members under 35 to the Young Engineers in ASHRAE (YEA) Spring Social - a night of fun at the Phillies game as they play the Nationals!

Join us from 5:00-7:00 before the game for food and drinks in the east M lot (map below), entrance located at 7th and Pattison Avenue. Exact parking location will be e-mailed to attendees the day of the game.

The game starts at 7:05 PM. Tickets will be available the week of May 7th and are $25 per seat. Tickets will be handed out prior to the game in the parking lot.

Keep an eye on your e-mail for the cVent invite and sign up as soon as possible – space is limited!

Special thanks to our event sponsor, **Coward Environmental Systems, Inc**.

PHILADELPHIA CHAPTER PROGRAMS CALENDAR 2011-2012

Date	Location	Topic	Theme	Joint Meeting
5/17/2012	Holiday Inn Historic District	Dealing with Dampers - Design and Code Issues presented by Mark Jelinske of Cator-Ruma Associates	Past President's Night	
5/23/2012		YEA Social at the Phillies (see page 4 for details)		
6/1/2012	Northampton Valley CC	Golf Outing (see page 13 for details)		

Program calendar is subject to change. Please refer to ASHRAE Philadelphia Website for up to date information.

10th Annual Design on the Delaware

November 14-16, 2012 - Philadelphia, PA

Share your expertise with industry colleagues by presenting a program.

Design on the Delaware provides an opportunity to contribute your expertise to the design, construction, and planning professions. The 2012 Conference Committee invites you to submit program and tour proposals of interest to architects, landscape architects, planners, engineers, contractors, developers and others in the building design and construction industry. Program proposals are due **April 16, 2012** and should be submitted online at http://proposals.designonthedelaware.com. Click here for the Call for Programs.

April 19 Seminar: Energy Modeling Techniques

The ASHRAE Philadelphia Chapter presented a three-hour seminar on April 19 for 26 attendees before the dinner meeting.

Dru Crawley, PhD, PE presented introductory energy modeling techniques and their relationship with building simulation software. Dru is the Director of Building Performance Products at Bentley Systems and leads the team developing a new generation of building performance software for energy and sustainability. Prior to joining Bentley in 2010, Dr. Crawley led the U S Department of Energy's Commercial Buildings Initiative (working to create low- and zero-energy buildings nationwide) and development of EnergyPlus. He is Chair of ASHRAE Standard 169 (Weather Data for Building Design Standards) and was made an ASHRAE Fellow in 2009.

Thanks to Dru for presenting; please look in the *Climate* for future educational offerings.

ASHRAE Philadelphia Chapter Scholarship Recipients

(From left to right) Ashley Lester, Chapter Student Activities Chair, with Steve Ridenour, Temple University Student Chapter Faculty Advisor, and scholarship recipient Josh Dennis.

Ashley Lester with Drexel University scholarship recipient Adams Rackes.

Ashley Lester with Widener University scholarship recipient Kevin Tomko.

Dr. Bahnfleth Presents on GPIC Activities at April Meeting

At the April dinner meeting, Dr. William Bahnfleth presented on the activities of the Greater Philadelphia Innovation Cluster for Energy-Efficient Buildings (GPIC). Dr. Bahnfleth is a professor of architectural engineering at Penn State, an ASHRAE Fellow and member of the Society Board of Directors.

GPIC is headquartered at the Philadelphia Navy Yard and has a goal of developing integrated technologies for energy-efficient retrofits of commercial and multi-family residential buildings. Further GPIC information and contact information are shown on page 7.

The Greater Philadelphia Innovation Cluster (GPIC) for Energy-Efficient Buildings

The Greater Philadelphia Innovation Cluster (GPIC) for Energy-Efficient Buildings is a consortium of academic institutions, federal laboratories, global industry partners, regional economic development agencies and other stakeholders that joined forces to secure up to $130 million in federal grants, including $122 million from the Department of Energy to establish an Energy Innovation Hub. The Commonwealth of Pennsylvania has also committed $30 million of new capital funding to support GPIC facilities at The Navy Yard. The funding will foster national energy independence and create quality jobs for the region.

The goals of GPIC, located at The Navy Yard in Philadelphia, are to transform building retrofit industry from serial fragmentation to integrated systems methods, to improve design tools, building systems, public policies, market incentives, and workforce skills needed to achieve a 50 percent reduction of energy use in buildings, and to stimulate private investment and quality job creation in Greater Philadelphia and beyond.

GPIC is supported by over 70 partners from industry associations, workforce investment boards, economic development agencies, banks and financial institutions and community organizations.

GPIC activities are organized into 6 task areas:

1. **Design Tools**- The goal of this task is to deliver accessible and affordable, calibrated and validated computer based tools built on open architecture to support integrated design of energy efficient retrofit projects by architects and engineers focused on average size commercial and multi-family residential buildings.

2. **Integrated Technologies**- The goal of this task is to develop and deliver optimal configurations of integrated technologies and system solutions for energy efficient retrofit of commercial buildings of varying functionality, size, and aspect ratio, as well as multi-family residential buildings.

3. **Policy,Markets and Behavior**- The goal of this task group is to create public policy and business market environments that support full-spectrum energy efficient retrofit of average size commercial and multi-family residential buildings in Greater Philadelphia.

4. **Education andWorkforce Development**- The goal of this task is to ensure a skilled workforce at all levels in the energy efficient buildings sector in Greater Philadelphia.

5. **Deployment and Commercialization**- The goals of this task are to transform the building industry from a serially fragmented method to an integrated systems approach and to create new jobs in Greater Philadelphia

6. **Collaborative Demonstration Projects**- The goals of this task are to demonstrate performance of GPIC coordinated system integrated and operational technologies, policies, business models, workforce development approaches, and process integration methods in retrofitting of buildings at the Navy Yard and other sites in the Greater Philadelphia region.

Building 661 at The Navy Yard will undergo a full-spectrum retrofit. A new, advanced integrated building sciences laboratory will also be constructed. These two buildings will house GPIC personnel and will function as living laboratories – from design through construction, commissioning and operation – for developing the tools, methods and policies necessary to transform the building industry into a model of energy independence, operating efficiency and economic sustainability.

For more information

http://gpichub.org or info@gpichub.org

COALITION FOR AN
ENERGY EFFICIENT PHILADELPHIA

PURPOSE

The Coalition for an Energy Efficient Philadelphia (CEEP) is a broad coalition of businesses, institutions, citizens, and organizations working together to achieve a higher degree of energy efficiency in all buildings in Philadelphia to stimulate economic growth, create jobs, save money for residents and businesses, and increase sustainability in all neighborhoods. **Energy efficiency is the cheapest, cleanest, and safest energy source, and it creates the most jobs!**

OUR FIRST GOAL

Our initial goal is to require benchmarking of energy use in commercial buildings. Benchmarking will **help the public at large** through increased jobs in the energy efficiency industry, and provide information about energy use in buildings; it will **help building owners** by providing detailed performance data for more strategic business investments in cost effective energy upgrades, resulting in lower operating costs and higher asset valuation; it will **support tenants** through opportunities for increased comfort and control, and cost efficiency by informing decision-making; it will **support the City of Philadelphia** by stimulating the economy through the building supply chain, providing for a more informed citizenry, and positioning the City as a visible leader in sustainability. Benchmarking is already in place in cities across the country, including New York, Washington, D.C., Austin, Seattle and San Francisco.

WHY NOW?

There is no time like the present to become more energy efficient. As energy prices continue to rise, energy independence becomes increasingly critical to the City's economic vitality. The energy efficiency field is at an unprecedented level of sophistication with hundreds of highly trained and certified professionals, hundreds of capable firms and contractors in the region and new materials and technologies constantly entering the marketplace—it's time to put them to work.

BY SIGNING ON AS A SUPPORTER OF THE COALITION

As an organization or an individual you will simply be endorsing our overall goal. **Sign on here**.
Contact Janet Milkman at **jmilkman@dvgbc.org** or Liz Robinson at **liz@ecasavesenergy.org** for more information.

HOW WE ARE ORGANIZED

The Coalition for an Energy Efficient Philadelphia is a broad-based effort, convened by the Energy Coordinating Agency, the Delaware Valley Green Building Council and the Next Great City coalition to support the efforts of the Nutter Administration and City Council to adopt policies and programs to make buildings more energy efficient. We do not anticipate that the Coalition will become an organization, and are not asking for a financial contribution. The Greater Philadelphia Innovation Cluster (GPIC) will provide technical advice for the Coalition. **We hope the coalition will also include you, your organization, or your company, and we thank you for your support of energy efficiency.**

COALITION FOUNDERS:

NEXT GREAT CITY 2 PHILADELPHIA

eca

U.S. GREEN BUILDING COUNCIL CHAPTER

DELAWARE VALLEY GREEN BUILDING COUNCIL

COALITION FOR AN
ENERGY EFFICIENT PHILADELPHIA

SUPPORTERS INCLUDE:

Energy Services Industry
Atlantic Energy Concepts
Bala Consulting Engineers
Blu Path
Carrier Class Green Infrastructure
Chesterville Design Group, LLC
Clean Markets
CM Jones Inc
Consilience LLC
Conservation Services Group
Constellation Energy
Coward Environmental Systems, Inc.
CPM Housing Group
Ecocentric Energy Solutions
Efficient Home Products, Co.
Fiber America
Global Home Improvement Inc.
Green Steps
GreenWaves Technology, LLC
GR Planning
Harkins Builders, INC.
Jibe Design
Lean-Green LLC
Lowry EcoSolutions
MaGrann Associates
Mark Group
McKissick Associates Architects, PC
Northeast Energy Efficiency Partnerships
Northend Barriers
Noveda Technologies, Inc.
PA Realty Works LLC
Performance Systems Development
Philadelphia Water Department
Practical Engineering
Practical Energy Solutions
Princeton Green
Polaris Consulting Engineers, PC
Polycrete USA

Energy Services Industry Cont'd.
RealWinWin, Inc.
Resonate LLC
Re:Vision Architecture
RM Green Environment Services, LLC
Rushforth Solar, LLC
Saint Gobain
Scalewatcher North America Inc.
SCIenergy
Sellair LLC
Solar Terrain, LLC
Star Energy Solutions
Strictly Business Energy
Sustainable Solutions Corporation
This Leaky House
Urban Engineers, Inc.
Warren Energy Engineering, LLC
William Kirn Roofing
Wulff Architects, Inc.

Lenders
AFC First Financial Corporation
The Reinvestment Fund

Building Owners & Operators
James Turner

Community Organizations
Center in the Park
Freedom's Way Foundation
Southwest Community
Development Corporation
Strawberry Mansion Neighborhood
United Communities of South East PA
Utility Emergency Services Fund

Associations & Nonprofits
Action Center
Alliance to Save Energy
ASHRE Philadelphia Chapter
Building Industry Association of Philadelphia
Institute for Market Transformation
Keystone Energy Efficiency Alliance
Natural Resources Defense Council
Penn Future

Legal
Cozen O'Connor
Drinker Biddle & Reath LLP

Individuals
William Anderson
Brendan Cassidy
Mike Bortman
John Eblacker
Juan Levy
John Luff
Michael Miller
Ashley Paulsworth
Mark Purcell
Walt Yakabosky

COALITION FOUNDERS:

NEXT GREAT CITY 2 PHILADELPHIA

eca

U.S. GREEN BUILDING COUNCIL CHAPTER

DELAWARE VALLEY GREEN BUILDING COUNCIL

This article was submitted by Rob Innes of Mutimer Company, the Philadelphia-area manufacturers' representative for New York Blower. Please submit articles highlighting novel HVAC technologies to Chapter Technology Transfer Committee Chair Mark Maguire (c021cttc@ashrae.net) for consideration in future newsletters.

Corrosion-Resistant Coatings for Fan Equipment

This article provides basic information regarding the different types of corrosion-resistant coatings readily available for fan equipment. The coatings are described here according to generic classifications having similar characteristics such as curing methods, adhesion qualities, chemical resistance, and temperature limitations.

Coating manufacturers offer a variety of brand name coatings which can be categorized by these generic classifications. The service life of air-moving equipment constructed of carbon steel may be significantly reduced when corrosives are allowed to attack the surface of the metal through chemical or electrochemical action. One method of inhibiting this corrosive action is by applying a protective coating to the area in contact with the corrosives. Protective coatings act as a barrier between the corrosive and the parent material. A wide range of protective coating systems is available to provide protection from a variety of corrosives including acids, alkalis, solvents, salts, and oils.

Although other materials of construction, such as special alloys and fiberglass-reinforced plastic (FRP) are available, protective coatings can offer a low-initial-cost solution to the corrosion problem. The selection of a protective coating is critical in determining the service life of the equipment. The selection process must consider the actual chemical composition of the gas stream. To evaluate the corrosive nature of the gas stream completely, the concentrations and temperatures of the chemicals present must also be considered.

COATING INGREDIENTS

Although protective coatings are differentiated by their specific chemical composition, the most common consist of three basic ingredients; a binder, a flow control agent, and a pigment or filler. When these ingredients are combined, they can range in consistency from thin liquids to semi-solid pastes in a variety of colors.

The binder is the film-forming ingredient in the coating. It consists of either a drying oil or a polymeric substance. Drying oils form a hard film by reacting with oxygen in the air. Coatings with this type of binder are usually cured by air drying but in some cases may be baked in order to cure more rapidly. Coatings that utilize a polymeric substance as the binder require a "thermoset" cure. Thermosetting can be accomplished by baking the applied coating in some cases or by adding a catalyst in other cases. The type of thermoset is dependent upon the characteristics of the polymeric substance itself.

A flow control agent, or solvent, is combined with the binder to form the liquid portion of the coating. The solvent prevents the binder from solidifying prematurely and ensures uniform dispersion over the surface. This combination of binder and solvent is called the vehicle portion of the coating. The pigment is any substance, usually a powder, which gives color to the mixture. Most pigments are insoluble in solvents and are not affected by the vehicle portion of the coating. The generic coating classifications are differentiated by their chemical composition. While the chemical composition alone is not sufficient in determining which protective coating is selected for a specific application, it can be useful in determining the generic group of a particular brand name coating.

COATING TYPES

Click here to read the entire article.

The following descriptions of generic coatings present curing methods,

ASHRAE

Technology for a Better Environment

1791 Tullie Circle, NE • Atlanta, GA 30329-2305 USA • Tel 404.636.8400 • Fax 404.321.5478 • http://www.ashrae.org

Gary C. Debes
Vice Chair, Region III
Membership Promotion

Reply to: 998 Caln Meetinghouse Road
Coatesville, PA 19320-2109

☎ (484) 886-7400
Fax (484) 694-0847
gary.debes@comcast.net

March 23, 2012

Dear Region III & Region VI Members:

I have the pleasure of inviting you to attend the joint **Region III & Region VI Annual Meeting Dinner**. It will be held on Monday, June 25, 2012 at The Zuni Grille, on the Riverwalk at 223 Losoya Street, San Antonio, Texas. ☎ (210) 227-0864.

You are cordially invited to join other members from Region III & Region VI for an evening of delicious food, drinks and fellowship.

The Grille is just a short walk from the Grand Hyatt and an even shorter walk from The Hilton Palacio del Rio. We will meet at the restaurant bar for cash bar. Some may wish to meet after the Alamo Tour and walk together to the Zuni Grille.

Dress is business casual

The schedule for the evening has been arranged as follows:

6:30 PM Meet at the Grand Hyatt lobby to take a leisurely stroll to the restaurant.

7:00 PM Arrive at The Rock Bottom Brewery for cocktails (cash bar) and Zuni Fire Roasted Salsa and Tortilla Chips

8:00 PM Dinner will be served. Our menu:

- **Blackened Angus Ribeye -** Served with Mashed Potatoes and Blue Cheese Slaw,

or

- **Grilled Potato Crusted Salmon -** Sautéed Fresh Seasonal Vegetables, with Lemon Butter Caper Sauce

or

- **Shrimp Oscar -** Skewered, Grilled Shrimp With Seasonal Vegetables Accompanied By A Southwestern Crab Cake Topped With A Chipotle Hollandaise Sauce

or

- **Vegetarian Alternative**.

- All are served with **Haystack House Salad** - Mixed Greens, Crisp Tart Apples And Jicama-Mango Slaw Topped With Spice Candied Pecans Finished With Zuni's Own Specialty Prickly Pear Vinaigrette.

The price for this great evening is $50.00 per person. Please complete the reservation form below and return it to me, along with your check made payable to: **"ASHRAE REGION III"**, so that I will receive it **no later than Monday, June 18, 2012.**

If you cannot mail it by that date, fax or e-mail your dinner reservation to me but, please, bring your check with you to dinner. It is really important to respond quickly; I must make firm reservations before the ASHRAE meeting begins. **THANKS !!!**

Once again, I look forward to seeing you on June 25th!!!!

Name_____

Name_____

Name_____

Name _____

Total Quantity_____**X** **$50.00 =**_____

NOTE: MAIL BACK OR FAX THIS RESERVATION TO GARY DEBES AT:

Gary Debes
998 Caln Meetinghouse Road
Coatesville, PA 19320
(484) 886-7400
(484) 694-0487 Fax

Please use this reservation as your receipt




ASHRAE PHILADELPHIA CHAPTER ANNUAL GOLF TOURNAMENT

Friday, June 1, 2012

Northampton Valley Country Club

299 Newtown-Richboro Road Richboro, PA 18954
http://www.nvgc.com/

Prizes to Include

- First Place
- Second Place
- Third Place
- Longest Drive
- Closest to the Pin

Lunch/Registration: 12:00 PM
Shotgun Start: 1:00 PM
Format: Scramble
Dinner/Awards: Following Golf

Please contact Jared Johnson at c021vp@ashrae.net with any questions

SPONSORSHIP OPPORTUNITIES

Single Hole Sponsor - $200
Two Hole Sponsor - $300
Three Hole Sponsor - $450

REGISTRATION DETAILS

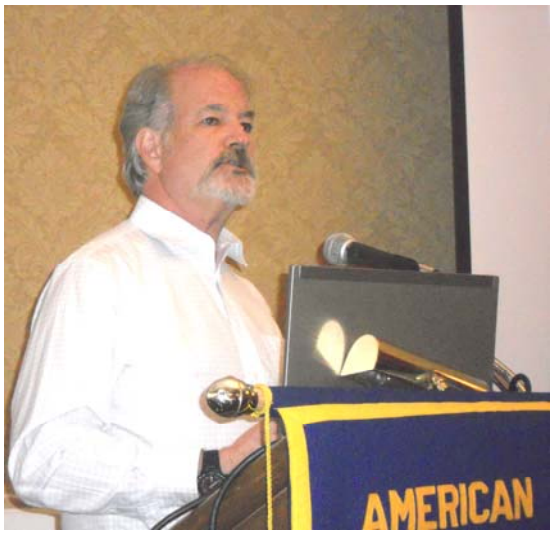
Golf, Lunch & Dinner - $125 ea
Dinner Only - $35 ea

Online Registration:

http://tinyurl.com/2012AHRAEPHILAGOLF

If you would prefer not to register online please contact Jared Johnson to arrange for payment.

ASHRAE Philadelphia Chapter April Meeting Photos



Bob Finkboner (left), President of the Philadelphia Chapter of ASHRAE, thanks Dru Crawley, PhD, for speaking at the April meeting

ASHRAE HVAC Design Workshops

2 Workshops, 5 Days of Intense Instruction
May 21-25, 2012 • ASHRAE Foundation Learning Center • Atlanta, GA

HVAC Design: Level I – Essentials
May 21-23, 2012
ASHRAE's HVAC Design: Level I - Essentials workshop provides intensive, practical education for designers and others involved in delivery of HVAC services. Developed by industry-leading professionals, the workshop provides participants with training design to accelerate their evolution into effective member on a design, construction or facilities maintenance team. Gain the fundamentals and technical aspects to design, install and maintain HVAC systems.

HVAC Design: Level II – Applications NEW
May 24-25, 2012
ASHRAE's HVAC Design: Level II - Applications workshop provides advanced instruction on HVAC system designs for experienced HVAC designers or those who completed the HVAC Design: Level I Essentials workshop. Gain an understanding of system design incorporating the application of Standards 55, 62.1, 90.1 and 189.1.

Creating Effective, Highly Skilled Engineering Team Members

Gain knowledge to make immediate contributions to design projects
Participate in in-depth, practice-focused training
Learn from industry leaders selected by ASHRAE
Receive free bonus resources valued at over $200

Attendees of the HVAC Design Workshops can earn continuing education credits. Contact the relevant governing body for more information.

Visit www.ashrae.org/hvacdesign to register

ASHRAE Certification Programs

Building Energy Assessment Professional (BEAP)

Building Energy Modeling Professional (BEMP)

Commissioning Process Management Professional (CPMP)

Healthcare Facility Design Professional (HFDP)

High-Performance Building Design Professional (HBDP)

Operations & Performance Management Professional (OPMP)

For more info, visit www.ashrae.org/certification

The Philadelphia Chapter
of the
American Society of Heating,
Refrigerating and Air
Conditioning Engineers, Inc.

994 Old Eagle School Road
Suite 1019
Wayne, PA 19087-1866
P 610-971-2169
F 610-971-4859

Click here to visit
our web site at:

http://phila.ashraechapters.org

 Any member with material to submit for inclusion in the *Climate* can send the information to:

Hope Silverman
P 610-971-2169
hope@mmco1.com

Material can include letters to the editor, member news, upcoming events, comments on chapter programs or issues, etc.

NOTICE

On January 7, 2010 the Legislature enacted and the Governor signed into law P.L. 2009, C. 294 which requires Professional Engineers licensed in New Jersey to complete continuing education. The effective date of the new law is January 12, 2011. At this time, the State Board of Professional Engineers and Land Surveyors ("Board") is working on proposed regulations to provide guidance and clarification to its licensees and interested parties. This Notice is intended to provide information about the continuing professional competency requirements.

• A licensee shall complete not more than 24 continuing professional competency credits related to the practice of Professional Engineering in every biennial license renewal cycle, 2 of which shall be in professional practice ethics.

• The Board does not have a process in place to approve educational programs and providers ·at this time. However, the Board is working on proposed regulations to address these matters.

• A licensee is not required to acquire continuing professional competency credits until January 12, 2011. However, the Board anticipates that a current licensee shall be required to obtain 15 continuing professional competency credits, 2 of which shall be in professional practice ethics, on or before April 30, 2012 to meet the requirements for the 2012-2014 biennial renewal period.

• The Board anticipates that for the 2014-2016 biennial renewal period, and every 2 years thereafter, a licensee shall be required to complete 24 continuing professional competency credits, 2 of which shall be in professional practice ethics.
http://www.njleg.state.nj. us/2008/Bills/PL09/294.HTM

NEW MEMBERS

Joseph Daniel Barrett (Associate)
Navil Christian (Associate)
Bruce Johnson (Associate)
Douglas McCleery, PE (Member)
John McKenna (Member)
Robert Ross McMichael (Associate)
Marwan Mougharbel (Associate)
Mark Petrunis (Associate)
Christopher An'twan Phelps (Associate)
Jeffrey Schoeller (Associate)
Tarik Shaheen (Student)
Brian Stauffer (Member)
Richard Wolf (Member)

Philadelphia Chapter of ASHRAE Board of Governors Nominees 2012-2013

President — Jim Piscopo
President-Elect — Jared Johnson
Vice President — Mike Witkowski
Treasurer — Ashley Lester
Senior Governor — Bob Finkboner
Governor — Mike Calabrese
Governor — Casey Younkins
Governor — Eric Zanolini