

PHILADELPHIA CHAPTER

Tabletop Presenter

Low Voltage Control Systems Dave Yanoff Delmarva Systems

Dinner Speakers

Parameters for Selection of Equipment for Optimum Performance and System Efficiency John Warner Laars Heating Systems

Radiant Floor Tempering

Gary Fries Uponor North America

MEMBERSHIP PROMOTION NIGHT Thursday, November 9, 2006

5:00 to 6:30 PM Social Hour / Tabletop Presentation

> 6:30 to 8:00 PM Dinner / Technical Program

STRENGTHENOUR MEMBERSHIP!

Ask for a Membership Application at our Events' Reception Table -Pass it along to a Friend or Colleague!

LOCATION

Colleen's on the Parkway
Parktowne Place Apartments
South Building
22nd & Ben Franklin Parkway
Philadelphia, PA

Parking is available on the street or through valet service at the entrance to the restaurant.

FOR RESERVATIONS

Call (610) 971-2169 or Email philachapter@mail.ashrae.org

RESERVATION NOTICE

Reservations must be made no later than 12:00 Noon 2 days prior to the meeting date.

COSTS

Local Chapter Members Reservation \$30 Late Registrations & Walk-ups \$45 Non-local Dues Paying Members \$35 Members 30 years & under \$10 Discount

> Student Members \$10

Reservations not cancelled by 12:00 noon on September 11th will be billed the full amount.

The Chapter will no longer bear the cost of "no-show" meals.

From Our President

If you signed up too late for SMCA Engineer's Night on October 5, you missed a great event. The Rittenhouse could not accommodate the overwhelming response, and SMCA had to turn away more than 30 people who wanted to attend. Make sure to register early next year, and take advantage of a great technical program in an indulgent social setting. Our thanks go out to SMCA for their generous hospitality.

The November chapter meeting is fast approaching. We will be back at Colleen's on the Parkway for the first time this year on Thursday, November 9. Keeping with our new program format, the meeting will begin with a social hour at 5PM. If we haven't seen you at a meeting yet this year, please join us at Colleen's after work. The technical sessions will not begin until after 6PM, so you have plenty of time to get there. During the evening, we will also be recognizing local donors to ASHRAE Research Promotion.

Autumn is in full swing, and ASHRAE is changing with the seasons. Check out the revamped society webpage (www.ashrae.org) and see what's new. It's a great time to be involved in our industry, and ASHRAE can help keep you connected! Come out and join us on November 9, and stay in touch.

Steve Piccolo

Membership Promotion Night

Due to the extension of "Design on the Delaware" presented by AIA Philadelphia, this meeting will not be a joint meeting with AIA. The topic of the night will be *ASHRAE Membership Promotion*.

All new chapter members will receive free admission to this meeting only.

Design on the Delaware is a collaborative conference and trade show for designers, building and real estate professionals, examining the issues and opportunities of the built environment. This will be held on November 9th & 10th, 2006 at The Sheraton Philadelphia City Center. See page 10 for more details and registration.

Third ASHRAE Meeting 2006/2007 Fiscal Year Thursday November 9th, 2006

Our third meeting this year will be held at Colleen's Restaurant located at 2200 Benjamin Franklin Pkwy, Suite 2A, in Philadelphia. The Cash Bar opens at 5:00pm and the dinner starts at 6:30pm. Hors d'oeuvres will be served starting at 5:00pm.

The technical presentation will consist of two parts. The first portion on "Parameters for Selection of Equipment for Optimum Performance and Systems Efficiency" will begin at 6:30pm and will lead into the second portion of our meeting, "Radiant Floor Tempering". The presentation will run until approximately 8:00pm. The meeting is scheduled to end at 8:00pm but accommodations will remain available until 9:00pm.

Our speakers will be:

"Parameters for Selection of Equipment for Optimum Performance and Systems Efficiency" John Warner Director of Sales Laars Heating Systems (A subsidiary of Bradford-White Corp.) Rochester, New Hampshire

John Warner has over 26 years of industry experience with Laars Heating Systems, manufacturers of low water content high heat transfer equipment. He holds a Bachelor of Arts degree from North Park College in Chicago, Illinois.

"Radiant Floor Tempering"
Gary Fries
Commercial Heating Manager
Uponor North America
Apple Valley, Minnesota

Gary Fries has over 18 years experience in the hydronic heating market. He has worked for Uponor for 15 years. Presently, as the Commercial Heating Manager, Fries coordinates strategic planning and market development for the heating business in the commercial sector. Fries is also a dedicated member of the Minnesota Army National Guard where he served in the first Desert Storm from 1990 to 1991 and is currently a maintenance test pilot for H-60 Black Hawk helicopters. Fries studied mechanical engineering at St. Cloud State University in St. Cloud, Minn. He is a member of ASHRAE and a corresponding member to TC 6.1.

PHILADELPHIA CHAPTER ASHRAE 2006 - 2007 PROGRAMS

For reservations and updates, check www.ashrae-phila.org.

Date	Location	Pre-Dinner Topic	Dinner Topic	Theme
Thursday Nov 9, 2006	Colleen's	Educational Product Displays	Boiler Selection Radiant Floor Tempering Sponsor - J. Smaul	Membership Promotion
Thursday Dec 14, 2006	Union League	BREAKFAST	Geothermal Sponsor - A. O'Pella	Refrigeration
Thursday Jan 11, 2007	Colleen's	Educational Product Displays	Sustainability Topic Sponsor - J. Pardekooper/ DVGBC	Joint Meeting with DVGBC
Thursday Feb 8, 2007	Colleen's	Educational Product Displays	Air Distribution Sponsor - A. O'Pella	Student Night (Joint Meeting with SMCA)
Thursday March 8, 2007	Cescaphe	Table Top Vendor Show	Panel Discussion Sponsor - J. Pardekooper	GPBPA
Thursday April 12, 2007	Colleen's	Educational Product Displays	Humidity Control Sponsor - G. Lawler	Past Presidents Night
Thursday May 10, 2007	Spaghetti Warehouse	Educational Product Displays	Design Errors Sponsor - L. Snyder	ASHRAE Scholarship Night
Thursday June 14, 2007	Temple University Campus	Program Planning Meeting	for 2007-2008	

PLEASE COPY AND POST ON YOUR BULLETIN BOARD AT WORK.

Check

www.ashrae-phila.org

for further information on the Philadelphia Chapter!

ASHRAE SCHOOL COORDINATOR

Position Available for Academic Year 2006-07

- Manage the Basic and Advanced Classes which run from September to April
- Initial assistance from previous coordinator, Larry Snyder
- Advertise courses, contract the class location, interview and select the instructors
- Determine the order and schedule of content for both courses
- Register students (~20 in Basic and ~10 in Advanced) and collect payments
- Develop computer database of instructors and students
- Submit invoices to pay instructors
- Opportunity to teach your specialty in the Basic or Advanced class
- Salary commensurate with part-time professional in education
- Contact Steven Ridenour, ASHRAE Philadelphia, 215-204-8825, steven.ridenour@temple.edu

2006-2007 Directories are Available Now!

The 2006-2007 Philadelphia Area Directory -Associations, Consulting Firms, and Manufacturers' Representatives is in stock. It sells for \$20 each. Payment should be sent with your order to:

> Philadelphia Chapter ASHRAE 994 Old Eagle School Road Suite 1019 Wayne, PA 19087-1866

TELL A FRIEND ABOUT THE <u>WWW.GPBPA.ORG</u> WEB SITE THAT IS FREE TO ALL!

Please inform your associates at work and your technical associates outside of work that the new www.GPBPA.org web site is free and it was developed for all technical people in the Philadelphia area so that we can better communicate and share seminars and training programs via this web site. A left click on the calendar will give the reader the upcoming events / seminars / and training programs.

PLEASE PASS THE WORD AND SIGN UP FOR AN AUTOMATIC MONTHLY DISTRIBUTION ONCE ON THE HOME PAGE.

Philadelphia ASHRAE Chapter Colleague Opportunity

A great opportunity exists for you to become involved with the Philadelphia ASHRAE Chapter as a Committee Colleague. Together with the Board of Governors and assigned Committee Chairpersons you will assist in Chapter operations throughout the upcoming year. We are seeking to recruit a minimum of three (3) Colleagues for each of eleven (11) defined committees.

Benefits:

- Learn Chapter operations and assist in expediting resolutions.
- Complete the first step for advancement to a local Chair or Board position.
- Develop networking opportunities with fellow industry associates.
- > Potentially receive PDH credits for involvement in ASHRAE chapter affairs.
- ➤ Be accorded one Chapter Meeting diner credit.
- ➤ Receive a Certificate of Appreciation from the Chapter suitable for display.
- ➤ Be recognized in our monthly newsletter and at our yearly Region III Meeting.

For further information reply via email to:

iaginc@comcast.net

Subject: ASHRAE Colleague Opportunity

Please include the following information as a minimum:

- 1. Name and preferred mailing address.
- 2. Company affiliation.
- 3. Position in your firm.
- 4. Phone, fax, and cell numbers.
- 5. Colleague at Large or committee preference.

Take the initiative to reply to this opportunity as soon as possible seeing that our programs will commence in September, we would like to have you onboard at the beginning of this year's schedule.

Thank you for your time and look forward to your response.

Respectfully,

Ken Strup, CxA

ASHRAE Philadelphia Chapter

Past President, Current Sr. Governor, & Committee Chair

ASHRAE Satellite Broadcast/Webcast "Multiple Benefits Solutions for Enhanced Building Security"

November 14, 2006 1:00 – 4:00 P.M. EST

This broadcast will inform the audience of the many efforts that can be taken to reduce vulnerability to terrorist acts that also provide reduced vulnerability to natural and accidental incidents, and may provide improvements in reliability, safety, comfort, energy use, and operating cost of the building and its systems.

This free program is sponsored by ASHRAE's Building Safety and Security Special Committee with support from the Alfred P. Sloan Foundation. For complete details, visit our website at http://www.ashrae.org/homelandsecuritybroadcast2.

How to Participate

The Philadelphia Chapter will be hosting a site to view this broadcast at the Penn State Great Valley campus for the first 30 members who register. The nominal fee of \$20 will include lunch (served at noon) with the interactive broadcast running from 1:00pm to 4:00pm.

The program will be held in Room 224 in the Main Building at 30 East Swedesford Road, Malvern PA 19355. Directions to campus: http://gv.psu.edu/Directions/

Registration

If you would like to register, please reply <u>as soon as possible</u> with your name, company, and work phone number to philachapter@mail.ashrae.org.

PDH Credits

Two (2) Professional Development Hours (PDHs) or two (2) AIA Learning Units will be awarded to viewers who complete the "Participant Reaction Form" after the broadcast.

About the Presenters

(Visit http://www.ashrae.org/homelandsecuritybroadcast2 for details)

Richard Bielen, P. E.

William Coad, P. E.

George Glavis, P. E.

D. Scott Fisher, P. E.

Stuart Knoop, FAIA

Andrew Persily, Ph.D.

Patrick Spahn, P. E.

Lawrence Spielvogel, P. E.

Ronald Vallort, P. E.

James Woods, Ph.D., P.E.

New Member Discount

Non-member participants will be given a \$50 discount for applying for ASHRAE membership. A special membership application will be available at satellite broadcast sites or by request at membership@ashrae.org.

Corporate Sponsors



Bruce E. Brooks & Associates, Consulting Engineers,

was founded in 1980 and provides mechanical and electrical consulting services to a wide range of institutional, corporate and professional clients. The three principals, Bruce Brooks, Brad Randall and John Hodos, direct a staff of approximately twenty-five dedicated and talented engineers and support personnel.

The firm's services include conditions assessment, feasibility investigation, life cycle analysis, master planning, building daylight and energy modeling, system design, administration of construction, and commissioning. The firm concentrates in three major project types:

Architecturally Significant Projects: Since its founding, the firm has been committed to the belief that good architecture and good engineering have to be an integrated function, from the initial visualization of the project, to its commissioning and placement into service. The firm is known for its careful and sensitive incorporation of building systems in both historic and new structures of architectural significance.

Sustainable Architecture: Environmental responsibility has always been one of the guiding principles of the firm's design work. It holds as its philosophy that many of the measures that make a building sustainable are simple, cost effective and should be an integral part of good design. More exotic measures require rigorous analysis before they warrant an Owner's investment. Five of the firm's senior personnel are LEED accredited professionals.

Specialized Environments: The firm has built a reputation in the analysis and design of facilities with specialized environmental and reliability mandates. Services range from the design of archive spaces with strict temperature, humidity, fire protection and UV light level constraints, to the design of mission critical telecommunication and data centers. They also design laboratory and medical facilities with variable volume fume hoods, complex pressurization relationships, specialized laboratory utilities and strict emergency and standby power requirements.



Established in 1947, **Ernest D. Menold, Inc.** is a sheet metal contractor and specialty fabricator primarily serving pharmaceutical and industrial customers.

In the mechanical HVAC market, Ernest D. Menold, Inc. focuses on retrofit projects and process air handling systems for local facilities such as refineries, paper making plants, pharmaceutical plants, food manufacturers, and health care facilities.

In addition to measuring, fabricating and installing HVAC duct systems, Ernest D. Menold, Inc. is a NEBB certified balancing contractor, and has performed IAQ survey work which includes gas sampling and remediation recommendations.

Ernest D. Menold, Inc. is also a fabricator of stainless steel countertops, casework, doors, animal isolation booths, necropsy tables, process piping transfer panels, custom filter grilles, and other custom items for the food and drug industries. Their capabilities in this market are enhanced with a laser cutting machine and a computerized press brake.

The chairman of the company, Ernest R. Menold, P.E., is an ASHRAE member. Ernest J. Menold, P.E., is the president of the company, and served as president of the Philadelphia Chapter of ASHRAE in 1996-97. For more information, please visit their web site at www.menold.com.

The firm believes that it has two overriding responsibilities to its clients and building owners. First it is to provide a facility that is safe and healthy for the people who occupy, visit and maintain it. Second, it is to be our clients' faithful advisor in obtaining the best value for their construction dollar, both in initial cost and in operating, repair and replacement cost.

2007 AHR Expo Dallas Convention Center January 29-31, 2007

HVAC/R Engineers need **INFORMATION...** fresh, new, innovative, ahead of the curve, practical information to excel in their jobs.

Next January in Dallas, the AHR Expo and ASHRAE will pull together in one place all of the resources an engineer could ask for to generate creative alternatives and make the best decisions.

- Of the 1,600 plus exhibitors, research has indicated that 57% will be showing their newest products of specific interest to engineers. Many exhibiting companies will also bring their own top engineers to discuss project specifics.
- ASHRAE will be offering Professional Development Seminars and Short Courses for which attendees will receive PDH's.
- Endorsing Associations will be offering brief educational sessions with an emphasis on practical application.
- ASHRAE's Winter Meeting will offer numerous opportunities to learn about cutting edge technologies, best practices..etc
- With tens of thousands of HVAC/R professionals converging on Dallas, there will be limitless networking opportunities.
- Two special sections on the show floor make it easy to find the latest in Building Automation & Controls and Industry related Software.

For three days in January engineers will be able to gather a tremendous amount of valuable information by visiting two concurrent events in ONE place: the 2007 AHR Expo and ASHRAE's Winter Meeting.

www.ahrexpo.com

We Need Your Email Address!

The Quaker City Climate, the monthly newsletter of the Philadelphia Chapter of ASHRAE which is published September through May, is now distributed only by email, unless a Chapter member contacts our office and specifically asks that they continue to receive a hard copy by mail.

This is a cost savings for the Chapter and eliminates lost time due to mail delays. This is also useful to distribute meeting reminders and urgent information in a timely manner.

Don't miss the latest information on meeting dates, locations, and speakers, as well as other news of interest to engineers in the Philadelphia area!

Please email us at hope@multiservicemgmt.com
to be added too our email distribution list,
if you are not included already.

We will keep your email address confidential!

Please help the ASHRAE Research 2006-2007 Fund Drive by filling out this Donor Form and sending it to national headquarters in Atlanta this week. Have you asked your company if they have a matching gift program? Remember every dollar you donate to this worthy cause is doubled by ASHRAE Society! If you have any questions, please contact Jeff Gilbeaux, Research Promotion Chairman, at galengineering@comcast.net.

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AFFILIATE MEMBERSHIP GRADE

For an Annual Dues of \$40, Applicants under Age 30 can Join ASHRAE at this introductory membership level. Membership tenure in this grade is limited to three (3) years.

Affiliate Members Benefits Affiliate Members receive monthly issues of the ASHRAE Journal and Insights Newsletter. The annual handbook is not a benefit of this grade.

Qualifications

An Affiliate Member shall have the same qualifications as an Associate Member. They are:

- 1. Experience in technical matters or in design, operation, or maintenance in heating, refrigerating, air conditioning, or ventilating fields.
- 2. An interest in the in the advancement of the Society's aims.
- 3. Possess sufficient qualifications to cooperate with heating, refrigerating, air conditioning, or ventilating engineers in the advancement of relating to heating, refrigerating, air conditioning, or ventilating engineering and its application.

Limitations

- You do not receive ASHRAE Handbook with membership. You do not receive ASHRAE Insights. You get a one-time discount (20% off) on all Handbook items.
- · You can serve on Chapter committees, but cannot hold office or vote at Chapter, Regional or Society level.

Contact For Receiving Application

Go to www.ashrae.org and click on "Join" in the upper right corner. This will take you to a page describing each membership grade, its benefits and qualifications, and a link to membership application forms.

MEMBERSHIP ADVANCEMENT!

Any Associate Member meeting the following requirement can apply for Advancement to the more entitling Member grade. By ASHRAE society definition:

A *member* shall have the equivalent of *twelve society-approved years of experience* composed of an approved combination of: (a) completed education beyond high school, (b) work experience, and (c) professional engineering or related registration or license issued by a legally authorized body.

All technical and scientific education shall be based on curricula approved by the Board of Directors.

Approved engineering curricula shall be equivalent to the accredited by the Accreditation Board of Engineering and Technology in the United States of America or the Canadian Engineering Accreditation Board. Scientific education in fields other than engineering shall be from a college or university course of study that has been accredited by an organization charged with monitoring standards of performance. Society approved years of experience shall be credited as follows:

One and one-half years of credit for each year of completed education for graduates of approved technical curricula. One year of credit for each year of education for non-graduates who have completed a least two years of approved technical curricula. One year of credit for each year of completed education for graduates of colleges or universities which do not have accreditations. Those holding associated degrees from technical institutions shall also be credited for one year for each year of education.

One year for each year of qualifying work experiences in the performance of duties in work related to ASHRAE fields of interest and shall have included research, teaching, design, contracting, engineering sales or engineering management.

Three years of credit for professional registration of license issued by a legally authorized body in engineering or related fields, the requirements of which as to education, examination, and active practice are satisfactory to the Board of Directors.

More information is available on the ASHRAE website (www.ASHRAE.org) under menu items Membership Resources...Manage Your Membership, the above definition is extracted from such application information in PDF file format. The application can also be filled interactively online. ASHRAE sends members who upgrade a \$20 gift certificate usable at the ASHRAE bookstore or towards ASHRAE membership renewal.

Design on the Delaware

November 9 & 10, 2006 Sheraton Philadelphia City Center

Online Registration now open!

Online registration for the 2006 Design on the Delaware conference, November 9 & 10 in Philadelphia is now available at www.designonthedelaware.com.

The conference features 48 educational programs, six tours, trade show and keynote presentations by Charleston Mayor Joseph T. Riley and Randall Arendt, a leading conservation planner. Program highlights include: Optimizing Green Design through an Interdisciplinary Approach to Site Planning (tour and charette); Lessons from New Orleans; Hemingway in Havana, a seminar on the restoration of Hemingway's Cuban home; LEED for Homes; Re-imagining Kahn's Richards Laboratory; Risk Allocation in Virtual Design and Construction: Technology and Methods in Tree Preservation; and Hatching New Plans for a Waterfront Park. Program presenters include members of AIA, American Society of Landscape Architects, General Building Contractors Association, International Interior Design Association, Society for Environmental Graphic Design, Associated Building and Contractors, ASHRAE and leading experts in the design and building professions.

The trade show* exhibitors are product and service providers of interest to all 22 collaborating organizations. The exhibit hall hours are Thursday, 11:30 am to 7:30 pm and Friday, 8:00 am to 5:00 pm. A cocktail reception will take place in the exhibit hall Thursday evening, 4:30 to 7:30 pm.

Exhibitors for this year's trade show include: Langan Engineering, Lehigh White Cement, High Concrete Group, Harkins Builders, Compass Sign Company, PGT Industries, Aquarius Irrigation, Gem Enterprize, DuPont Surfaces, Install Liberty Bell Group, Ridgway's, Hugh Lofting Timber Framing, Benjamin Moore Paints, Architectural Lighting Design, Baker, Ingram & Associates, E.P. Henry, and Wallace Associates, Inc.

Registration to the full conference (2 days) including all educational programs, keynote presentations, trade show, cocktail reception, and meals is \$175 for members of the Philadelphia Chapter of ASHRAE and all participating organizations and \$200 for non-members. Admission to the exhibit hall only is free but registration is requested. Please visit our website at www.designonthedelaware.com for further details.

Design on the Delaware, November 9-10 at the Sheraton Philadelphia City Center, is a conference and trade show examining the issues and opportunities of the built environment for design and building professionals, public and business leaders, and product and service providers in Pennsylvania, New Jersey and Delaware. The Philadelphia Chapter of ASHRAE is a member of the collaborative team of 21 professional organizations/associations representing 10,000 professionals in region.

Don't delay. Register today at www.designonthedelaware.com.

Discounted early registration ends October 9, 2006.

*Exhibit opportunities are still available. Contact Pat Gourley Schwartz at 215-569-3186 x 105. Sponsorship and advertising opportunities are also available. For more information or contact Pat Gourley Schwartz at 215-569-3186 x 105.

Member Services

Members who would like stay on top of the <u>latest news</u> <u>from ASHRAE</u> may join the News Release List Serve at http://www.ashrae.org/template/AboutLinkLanding/category/1584.

If you or your company are hiring, please take a moment to **review the resumés of chapter members** and students which have been posted on the chapter website at www.ashrae-phila.org/resumes.html.

Any member who wishes to <u>have their resumé posted on our website</u>, or who would like to update it, can email our webmaster, Seth Weiss, at sweiss@comcast.net. The file must be in pdf format and will be posted for 3 months.

For <u>Video Resume And Job Opportunities</u>, visit online portal: <u>www.LookFirst.net</u>

Looking for work? See jobs posted at STEP, Inc. Send an updated resume to admin@step-inc.com in Microsoft Word format to be considered for any of these opportunities or to be kept posted as you are. Feel free to contact us with any questions. Keep in mind that this is a totally FREE SERVICE to any of our applicant clients. There is nothing to sign, nothing to agree to.

S.T.E.P., Inc. 100 Highpoint Drive Suite 104 Chalfont, PA 18914 P: 1.215.996.1255 F: 1.215.996.1266 www.step-inc.com

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This is your newsletter.
We welcome your input and comments.

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Republication of material contained herein is expressly forbidden without official Chapter authorization. The Chapter does not speak or act for the Society.

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

Bob Carpenter
Coward Environmental Systems, Inc.
501 Birchfield Drive
Mount Laurel, NJ 08054-4005
or email: bob@cowardenvironmental.com
or call: 856-727-4400
or fax: 856-727-4344

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