



Volume 42, No. 7
March 2007

Quaker City CLIMATE

JOURNAL OF THE PHILADELPHIA CHAPTER OF THE AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS, INC.

PHILADELPHIA CHAPTER

Pre-Dinner

Manufacturers' Representatives Table Top Vendor Show

See list of vendors on page 3.

Interactive Presentation

Optimal Use of Control Valves in Variable-Flow Hydronic Systems

presented by
Byran Blackham
Siemens Building Technology

Thursday, March 8, 2007

Joint Meeting with GPBPA

5:00 PM to 6:30 PM
Social Hour/ Table Top Show
Cash Bar

6:30 PM to 8:00 PM
Dinner / Interactive Discussion

STRENGTHEN OUR MEMBERSHIP!

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

LOCATION

Cescaphe Ballroom
923 North 2nd Street
Philadelphia, PA 19123
215-238-5750

Located a few blocks north
of Spring Garden Street

valet parking, street parking

FOR RESERVATIONS

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

RESERVATION NOTICE

Reservations must be made
no later than 12:00 Noon
on Tuesday, March 6, 2007

COST

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

Student Members
\$10

Reservations not cancelled by 12:00 noon
two days prior to the meeting will be
billed the full amount.
The Chapter will no longer
bear the cost of "no-show" meals.

From Our President

On behalf of our entire membership, let me extend thanks to SMCA for their continued support of our chapter. During our annual joint meeting in February, SMCA President Ernie Menold (also Past President of ASHRAE Philadelphia) awarded scholarships to three deserving student members. Details and photos are enclosed in this issue.

Some apologies are also in order. Our February presenter, Steve Solotist (another Past President of ASHRAE Philadelphia), had to wrestle with an inadequate sound system. Our attendance was very high, and the caterer was not fully prepared to seat and serve the entire crowd. The board is taking steps to prevent either of these problems from recurring, and next year's joint meeting with SMCA will be a superior event.

This month is our annual Vendor Tabletop Show, followed by an interactive technical program. Our program sponsor, John Pardekooper, came up with an innovative concept in lieu of a conventional panel discussion. Through the use of a web survey, input from the entire membership will be used to formulate the program. Please take a minute to participate in the survey; instructions and the web address can be found in this issue.

Believe it or not there are only two more meetings left after this month. Past Presidents Night will be held in April, and the ASHRAE Scholarship Night is in May. Other notable events this spring include the Standard 90.1 Seminar (April 3 at the Globalcon Convention in Atlantic City) and the ASHRAE Philadelphia Golf Outing (June 1 at Northampton Valley Country Club). Details on both events are enclosed.

I also want to mention the ASHRAE Technical Award Program (see page 3 for details). So many innovative and worthy designs originate here, it's disappointing that our members do not get the recognition they deserve. Unfortunately, the design engineer must take the initiative and submit their project for consideration. If you worked on a project that you are proud of, why keep it a secret? John Pardekooper will be accepting short form applications throughout the month of March.

As we say goodbye to the ice storms of February, we are all dreaming of summer design conditions. I'm sure my fellow ASHRAE members will agree, "air conditioning" is our middle name. Keep looking forward.

Steve Piccolo

Interactive Presentation Description

Optimal Use of Control Valves in Variable-Flow Hydronic Systems

Designing variable-flow hydronic systems is a task every HVAC engineer will face at some point. The selection and sizing of control valves is a critical component to the function of the overall system, but the task is complicated by the variety of choices available: direct-return vs. reverse-return, automatic vs. manual vs. no balancing valves, pressure-dependent vs. pressure-independent control valves. This presentation will focus in particular on two areas: proper selection of pressure-dependent control valves for systems without balancing valves, and the performance differences between pressure-dependent and pressure-independent valves. In addition, the results of the online survey on current design practices among Philadelphia Chapter members will be shared.

Speaker Bio

Byran Blackham

Byran Blackham is Product Manager for Valves and Valve Actuators with the HVAC Products Division of Siemens Building Technology in Buffalo Grove, Illinois. He co-authored a white paper titled "Independence? At What Cost? A comparison of pressure independent control valves and pressure-dependent high performance control valves" that was published in HPAC Engineering's Networked Controls supplement November 2006. Byran earned a Bachelor's degree in engineering, an MBA and the Project Management Professional (PMP) certification. He is a member of ASHRAE and the Project Management Institute. Prior to joining Siemens Byran held various product management, strategic marketing and system engineering positions at Motorola.

Check

www.ashrae-phila.org

for further information
on the
Philadelphia Chapter!

Table Top Vendors at March 8th Meeting

Associated Steam Specialty Company
Belimo
B.J. Terroni Co.
Bush Associates
Clapp Associates, Inc.
Del-Ren Associates, Inc.
Edifice Rx
E.F. Siegfried Co., Inc.
Energy Transfer Solutions, Inc.
Engineered Mechanical Systems, Inc.
Environmental Systems Group (STULZ-ATS)
General Aire Systems, Inc.
J. Lorber Co.
John F. Scanlan Inc.
Kriebel Engineered Equipment, Inc.
L&R Associates, Inc.
Lochinvar Corporation
Mutimer Company
National Air Filter
R.D. Bitzer
Quality Equipment Sales
Victaulic Company of America

NOMINATION OF ASHRAE OFFICERS FOR 2007-08

The nominating committee has prepared the slate of officers and board members for the year 2007-2008. The names will be announced at the March monthly meeting and confirmed at the April monthly meeting. They are listed below:

President:	Andrew Opella
President Elect:	Jeffrey Gilbeaux
Vice President:	Bill Hart
Treasurer:	Christine Stearns
Board Member:	Robert Finkboner
Board Member:	Jared Johnson
Board Member:	John Pardekooper
Board Member:	Mike Witkowski

Nominating Committee Members:	Mark Hershman
	David Hersh
	Steven Ridenour

Technology Awards Program – Have Your Work Recognized!

ASHRAE has an annual technology awards program that recognizes advances in the application of HVAC+R technology. Philadelphia has not had many entries in recent years, and I would like your support in changing that. These awards are a great way to gain recognition for your innovative designs.

Submission at the Chapter and Region level requires completion of a short application along with brief supporting documentation. One entry in each category will be selected as a chapter winner. Those entries will then be sent on for judging in the regional competition.

Applications and background information on the program can be found on the ASHRAE website (<http://www.ashrae.org/publications/detail/14692>). The information on the Technology Awards is near the bottom of the page.

Four copies of the entry must be mailed and in my hands no later than Monday, April 2nd. Please contact me if you have questions about this program.

John Pardekooper
P 215-654-8040
john.pardekooper@siemens.com

Interested in advertising in the
Philadelphia Chapter's
2007-2008
Directory of
Manufacturers' Representatives,
Associations, and Consulting Firms?

If you didn't receive a letter
regarding placing an advertisement,
please call
Hope Silverman at 610-971-2169.

PHILADELPHIA CHAPTER ASHRAE 2006 - 2007 PROGRAMS

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

Date	Location	Pre-Dinner Topic	Dinner Topic	Theme
Thursday March 8, 2007	Cescaphe	Table Top Vendor Show	Interactive Presentation 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, CUT, AND POST ON YOUR BULLETIN BOARD AT WORK.

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!

February Meeting Photos



Speaker Stephen Solotist, John F. Scanlan, Inc., (and Past President of the Philadelphia Chapter of ASHRAE) presents on "Air Distribution and Noise Control".



Andrew O'Pella, President-Elect of the Philadelphia Chapter, presents Stephen Solotist with a Liberty Bell.

Save the Date!

The Philadelphia Chapter of ASHRAE will have a table at the AEE Globalcon event in Atlantic City on April 4 and 5, 2007.

Go to www.globalconevent.com for further information.



SMCA Scholarship Winners and Student Advisors (left to right) Dr. Agami Reddy and Drew McFadden (Drexel University), Dr. Steven Ridenour and Charlie Hanna (Temple University), Ernie Menold of SMCA, Jason Barbely and Dr. Zhongping Huang (Widener University).



(left to right) Charlie Hanna, Ernie Menold, Steve Ridenour (Temple University Student Advisor)



(left to right) Drew McFadden, Ernie Menold, Agami Reddy (Drexel University Student Advisor)

ASHRAE chapter members involved in the Philadelphia Future City Competition

By Jeff Gilbeaux

Several of our ASHRAE board members were involved in a program of The Delaware Valley Engineers Week Council which was held at Jake Nevin Field House at Villanova University on Saturday January 27, 2007. This competition encourages students to think about the future and how engineering shapes the way we live. The regional coordinator is Mr. John Kampmeyer, PE who spoke at our January dinner meeting. Christine Stearns, Steve Piccolo and Jeff Gilbeaux volunteered to participate.

Our chapter sponsored an award for the Best Indoor Environment. Jeff Gilbeaux represented ASHRAE as a judge for the award. The winner of the ASHRAE special award was Thomas Jefferson Middle School of Rockaway, NJ. Their teacher is Ms. Mary Byram and the mentor was Nick Steckey. I found out after the award that Mr. Steckey was a past President of the New Jersey chapter of ASHRAE.

Steve Piccolo was a mentor for Glen Landing Middle School from Blackwood NJ. Glen Landing surprised their mentor by winning honorable mention and went on to be a regional finalist.

Kutztown Area Middle School won the Philadelphia Regional Competition Kutztown also won Best Model presented by Tyco Electronics and Most Innovative design/Construction Approach to Achieving Environmental Sustainability presented by the Army Corps of Engineers and went on to finish 4th in the National Competition during Engineer's Week.

Christine Stearns of ASHRAE was one of the competition judges who listened to the presentation from all the teams in the morning session and had to evaluate which teams would win which award.

All of the teams put a lot of work into their projects and many companies and sponsors were happy to get students involved in Engineers Week activities.



Jeff Gilbeaux pictured with the award winning team from Thomas Jefferson Middle School.



Steve Piccolo pictured with the team from Glen Landing Middle School.

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

PHILADELPHIA ASHRAE CHAPTER ANNUAL SPRING GOLF TOURNAMENT



when: Friday, June 1, 2007 — 1:00 pm Shotgun

Lunch will be provided at Noon; Dinner will be immediately after golf

where: Northampton Valley Country Club
Richboro, PA (near I-95 and Newtown-Yardley Exit)

cost: Golf, Lunch & Dinner: \$100.00 per person

Prizes include First, Second and Third Place Awards plus Longest Drive and Closest to the Pin Awards.

** Scramble Format – Singles and Foursomes are welcome! **

RSVP TO:

Hope Silverman

Tel: (610) 971-2169

Fax: (610) 971-4859

Email: hope@multiservicemgmt.com

PAYMENT TO:

ASHRAE

994 Old Eagle School Road, Suite 1019

Wayne, PA 19087-1866

(Make checks payable to "Philadelphia Chapter ASHRAE")

REGISTRATION FORM

Name:

Company:

Telephone:

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Golf, Lunch & Dinner

\$ 100.00 x _____ = \$ _____

Hole Sponsor

\$ 200.00 x _____ = \$ _____

Multiple Hole Sponsor

\$ 150.00 x _____ = \$ _____

TOTAL ENCLOSED

\$ _____

**PROFESSIONAL ENERGY CODE SEMINAR
ANSI/ASHRAE/IESNA STANDARD 90.1-2004
ENERGY STANDARD FOR BUILDINGS
EXCEPT LOW-RISE RESIDENTIAL BUILDINGS**

**ONE-DAY SEMINAR SPONSORED BY
THE PHILADELPHIA CHAPTER OF ASHRAE**

April 3, 2007

**3rd Floor
Atlantic City Convention Center
Atlantic City, NJ**

OBJECTIVE

As states and local governments adopt ANSI/ASHRAE/IESNA Standard 90.1, “*Energy Standard for Buildings Except Low Rise Residential Buildings*” and building owners require compliance, ASHRAE is responding to requests to provide in-depth training on the Standard. New Jersey requires compliance with the Standard. Pennsylvania has just adopted the 2006 International Energy Conservation Code (IECC) as part of the new mandatory statewide Uniform Construction Code (Act 45) to be effective this year, which includes an option for compliance with the Standard. New York is proposing an option in their Code for the Standard. Most other states adopt and enforce the IECC.

The Standard sets the minimum requirements for energy use in buildings except low-rise residential buildings and the methodology to attain these goals. It differs from past Standards as it addresses not only new construction but also additions and renovations to existing facilities. This Standard is also the mandatory minimum energy benchmark for the US Green Building Council Leadership in Energy and Environmental Design (LEED-NC®) program and for the Federal tax deductions available under the 2005 Energy Policy Act (EPACT).

WHO SHOULD ATTEND

Architects, Engineers, Building Owners, Code Officials, Building Managers, Contractors, Equipment Manufacturers and their Representatives, Students, and other parties involved with construction, renovation, and operation of facilities. Continuing education certificates and credits will be offered, including those for AIA, Florida, and New York professional licenses.

REGISTRATION

Attention: Hope Silverman Phone: 610-971-2169
Email: hope@multiservicemgmt.com Fax: 610 971-4859

Mail or Email Hope Silverman with the following information:

NAME, COMPANY, ADDRESS, PHONE#, FAX #, EMAIL, and if the books are not wanted.

Checks to be made out to: PHILADELPHIA CHAPTER ASHRAE. *Sorry, we do not accept credit cards.*

Mail checks to: ASHRAE, 994 Old Eagle School Road, Suite 1019, Wayne, PA 19087-1866

REGISTRATION FEES

The fee for the seminar is \$150 with the Standard and User's Manual, or \$70 without Standard and User's Manual. Full Time Students and Full Time Code Officials receiving books are invited at a discounted fee of \$120 with the Standard and User's Manual, or \$40 without the books. The Registration Fee includes:

- Instruction on the application of the Standard to be presented by eminent industry professionals.
- Copies of both Standard 90.1-2004 and the associated User's Manual. If purchased independently the cost for these two books alone would be \$203.00 for non-ASHRAE members and \$162.00 for ASHRAE members.
- Lunch and Breaks

SEMINAR SCHEDULE

REGISTRATION – 8:30 AM

1ST MORNING SESSION - 9:00 AM

Introduction of presenters

Overview/Organization of ASHRAE 90.1-2004

BREAK – 10:15 AM

2ND MORNING SESSION – 10:30 AM

Building Envelope compliance

LUNCH - 12:00PM

1ST AFTERNOON SESSION - 12:45 PM

HVAC compliance

Service Water Heating compliance

BREAK – 2:45 PM

2ND AFTERNOON SESSION - 3:00 PM

Power compliance and Lighting compliance

Users Manual and ASHRAE Services

Concluding remarks

FINISH - 5:00 PM

SPEAKERS

Lawrence G. Spielvogel, PE

He is an ASHRAE Fellow and Distinguished Lecturer. Mr. Spielvogel previously served on and chaired the ASHRAE Homeland Security and Advocacy Committees, the ANSI/ASHRAE/IESNA Standard 90.1 Project Committee, ASHRAE Standard 105 on Building Energy Performance, the Standard 90 Panel on HVAC Systems, and ASHRAE technical committees on energy utilization, computer applications, and service water heating. He is also a Fellow of CIBSE (Chartered Institution of Building Services Engineers) (England), a Fellow of SLL (Society of Light and Lighting) (England), and a member of many other technical societies.

Lou Rugulo, P.E., CEM

Mr. Rugulo has over 18 years experience as a project manager and energy engineer, specializing in the development and implementation of demand-side management solutions for major clients as well as assisting clients in taking advantage of the various energy incentive programs available in the area, including financing, rebate and grant programs. Mr. Rugulo's experience encompasses design, retrofit, and troubleshooting of HVAC systems in a variety of applications such as residential, commercial, laboratory, clean room, industrial and aircraft settings. Mr. Rugulo has a B.S. in Mechanical Engineering, is a licensed Professional Engineer, and is an Adjunct Professor at Stevens Institute of Technology.

Larry Kouma

Mr. Kouma is a Senior Product Manager at York International and has been working in the HVAC industry for more than 15 years. He has experience with hydronic system design including product and application support for steam and chilled water systems. He currently leads a team responsible for R&D direction, product planning and engineering, application support, and system integration for large chilled water equipment. He is a current voting member of the SSPC 90.1 Committee, including active membership on the Mechanical Subcommittee. He has a BS in Mechanical Engineering and an MBA in Finance.

Carl M. Watson, PE, LC

A member of IESNA for over 25 years and a registered engineer, he is an award winning lighting designer, author, and electrical engineer. He has BS in EE and an MBA from Drexel University. He is also a member of IEEE and NSPE and is Lighting Certified by the National Council on Qualifications for the Lighting Professions. He specializes in developing and implementing very effective energy management solutions that optimize aesthetics, efficiency, and maintainability. Past projects have included lighting design, power quality and energy studies for office buildings, health care facilities, banks, schools, churches, multi-family residential, parking, and municipal facilities.

**ATTENDANCE IS LIMITED -
PLEASE RESPOND BEFORE March 15, 2007**

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.

ASHRAE RESEARCH - Donor Form Philadelphia Chapter 21 - Region 3

1) Type of Contribution;

☐ Individual

☐ Corporate

☐ Memorial To: _____

Please attach the details for the acknowledgment to, relationship to, and addresses.

2) Level of Contribution;

☐ Golden Circle (\$10,000 and greater)

☐ Research Partner (\$5,000-\$9,999)

☐ Research Associate (\$2,500-\$4,999)

☐ Research Major Donor (\$250-\$2,499)

☐ Research Honor Roll Donor - Individual (\$100-\$249)

☐ Research Honor Roll Donor – Corporate (\$150-\$249)

☐ Research General Donor (Less than \$100 Individual/\$150 Corp.)

3) Method of Payment;

A) Attach Check (Payable to “ASHRAE Research”)

Please note on check “Phila- Chapter 21”

B) Credit Card

☐ O-Visa ☐ O-Master Card ☐ O-AMEX

Date: _____ Signature: _____

Card #: _____ Exp. Date: _____

Note: All contributions are fully deductible under section 170 of the IRS code.

4) Donor Information:

Name: _____

Member # (If ASHRAE member): _____

Corporation Name (If Corp. Donation): _____

Address: _____

Phone : Home: _____ Business: _____

E-Mail: _____

5) Send this completed form to: ASHRAE RESEARCH, 1791 Tullie Circle, NE, Atlanta, GA 30329

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.

The Greater Philadelphia Building Professionals Association

Our Vision

The focus of this organization is to improve the communications among the technical associations and ensure that the buildings and the internal environments in the greater Philadelphia area are designed, constructed, and maintained in a safer, more efficient, and sustainable manner. The association provides a free web site, **www.GPBPA.org**. This web site includes a calendar of future seminars, meetings, training, and special events provided by member associations.

Our Mission

The GPBPA is a collaboration of professional societies that are dedicated to sharing information regarding the work centers of the building environment. It was established to facilitate the sharing of professional expertise among the associations with the intent of cross-education of members concerning the many disciplines involved in building design, construction, operation, and maintenance.

Member Associations

[AEE](#) Greater Philadelphia Chapter of the Association of Energy Engineers

[AIA](#) American Institute of Architects

[ASCET](#) American Society of Certified Engineering Technicians

[ASHRAE](#) American Society of Heating, Refrigerating and Air-Conditioning Engineers

[ASPE](#) American Society of Plumbing Engineers

[ASPE-Est.](#) American Society of Professional Estimators

[CMAA](#) Construction Management Association of America

[DVGBC](#) Delaware Valley Green Building Council

[CSI](#) Construction Specification Institute

[EAP](#) Electrical Association of Philadelphia

[ECOP](#) Engineers Club of Philadelphia

[GBCA](#) General Building Contractors Association

[IESNA](#) Illuminating Engineering Society of North America

[ISPE](#) International Society of Pharmaceutical Engineers

[SFPE](#) Society of Fire Protection Engineers

[SJMCA](#) South Jersey Mechanical Contractors Association

[SMCA](#) Sheet Metal Contractors Association

If you feel your association would like to join the GPBPA, please contact Jay Halsey at jay@cowardenvironmental.com or call 610-251-9088.

STLE Annual Meeting - May 6-10, 2007

Best practices of lubrication can help solve problems with equipment failures and unnecessary energy usage. People without lubrication expertise can benefit greatly by attending this educational event.

The 2007 Annual Meeting of the Society of Tribologists and Lubrication Engineers on May 6-10, 2007 in the Philadelphia Marriott (downtown) will offer:

- * Ten education courses on basic to advanced lubrication topics
- * Over 400 technical sessions from practical applications to new research on lubrication subjects
- * Exams for CLS, OMA or CMFS certification
- * The Commercial Marketing Forum and sold out Trade Show are the only opportunities for companies to present specifics on their brand name lubrication products
- * More including a keynote talk on the tribology of heart-assist devices (blood pumps), President's Luncheon, workshop on "Handling Difficult People and Situations", student posters and social events.

The early bird savings of \$50 on registration fees ends on April 13.

Detailed program and registration information is now available at www.stle.org or info@stle.org or 847-825-5536.

If you have any questions or comments, please contact:

Beth Weinstein
 Director of Membership Marketing
 Society of Tribologists and Lubrication Engineers
 840 Busse Highway
 Park Ridge, IL 60068-2376
 Phone: (847) 825 5536 ext. 201
 Fax: (847) 825-1456
bweinstein@stle.org

www.stle.org <<http://www.stle.org>>

Employment Opportunities

Project Development Engineer III

Johnson Controls is seeking Project Development Engineers in the PA, MD, DC, VA markets who will lead engineering, process or financial tasks during the detailed development of projects. We are seeking candidates with a strong working knowledge of building mechanical and electrical systems with emphasis HVAC, lighting, and building controls. This position requires either a Bachelor's in Engineering, or an equivalent education and work experience; with at least 5-8 years in building mechanical and electrical systems. The candidate will have a function specific license (PE, CEM or EIT). Candidates responsibilities will be to perform detailed engineering or financial analysis to quantify cost savings or other customer benefits, validate assumptions made during solution design, build cost estimates and scope of work for projects, assists in preparing proposals. Some overnight travels will be required. Salary will be commensurate with experience and skills. Relocation will be provided for the right candidate.

Please apply online at: www.johnsoncontrols.com – key word search: 012220, 012927, 012934, or 015500

Solutions Development Leader II

Johnson Controls is actively seeking a Solutions Development Leader for the Baltimore, MD area that will be responsible for complex multi-faceted energy projects. A Bachelor's in Engineering, MBA preferred with 10 years of engineering, construction and facility operations, with excellent knowledge of building related systems and services. The right candidate will have a strong working knowledge of building mechanical and electrical systems, with an emphasis on HVAC, lighting, and building controls, Plus a strong understanding of financial analysis, and the ability to create complex schematic drawings and be able to work with building mechanical, electrical and architectural drawings. Responsibilities will include: Leading Projects, Analyzing data, Lead and Perform Energy Audits, Perform Financial analysis, and others. 50% travel within the Mid Atlantic region. Salary will be commensurate with experience and skills. Relocation will be provided for the right candidate.

Please apply online at: www.johnsoncontrols.com – Key word search: 012919

Schaper Associates specializes in recruiting in the HVAC and Energy Services Industries. They are searching for the following Hot Jobs for Key Clients in the East.

*DDC Controls Project Engineer-Project Management in Baltimore, MD

*DDC Controls Project Manager-Project Engineer in Greenville, NC

*Energy Engineer with DDC Controls experience to cover the North East

*Numerous HVAC, Energy Services, and Performance Contracting positions open nationwide.

Feel free to contact Danielle Amison, Executive Recruiter, for more information at (866) 384-9117 x106 or damison@hvacreruit.com.

Schaper Associates, Inc.
525 Highlands Blvd.
Suite 116
Coatesville, PA 19320
Main: 610-380-8955 Ext 106
Fax: 610-380-8973
www.SchaperAssociates.com

Employment Opportunities

Philadelphia Gas Works (PGW) is the nation's largest municipally owned natural gas utility, serving more than half a million residential, commercial & industrial customers in the City. We are offering an excellent opportunity for a **Technical Project Engineer** in our Marketing department.

Responsibilities:

Provide technical support to all Residential/Commercial and Major Account Sales teams in meeting sales goals. Perform energy audits and site inspections. Develop and implement technical seminars and presentations for customers, engineers, architects, developers, and building owners.

Qualifications:

BS in Engineering (Mechanical preferred), Certified Energy Manager (CEM) desirable.
4 - 6 years of engineering experience in HVAC and other energy engineering.
Expertise in HVAC systems, Chillers and understanding industry terminology, equipment, product and services and regulatory environments.
Strong project management, estimating and documenting skills.
Computer skills-MS Office, especially EXCEL, energy savings and estimating software.

PGW offers a competitive salary and comprehensive benefits package w/5 year vesting, including health insurance, deferred compensation and tuition assistance. Local applicants preferred. Philadelphia domicile required. **Applicants outside the city must be willing to relocate.**

To be considered for this opportunity, please forward your resume to PGW Organizational Development. **Job code: ASHRAE021501.** 800 W. Montgomery Avenue. Philadelphia, PA 19122. Fax-215-684-6146

Hrrecruiting@pgworks.com

EOE

Philadelphia Gas Works (PGW) is the nation's largest municipally owned natural gas utility, serving more than half a million residential, commercial & industrial customers in the City. We are offering an excellent opportunity for a **Staff Engineer** in our Business Transformation department.

Responsibilities Include: Participate on teams associated with process improvement projects. Identify, evaluate, and drive engineering solutions to continuously improve operational productivity, safety, quality and resource utilization. Evaluate new ideas and best practices within the gas business. Keep abreast of R&D within the gas business through the APGA, AGA and other industry associations. Develop initiatives within PGW to benefit from these new technologies. Develop a standard format for operational procedures and a process for updating and filing. Coordinate the initial review and apply best practices. Provide analysis to evaluate alternatives regarding outsourcing, resource management and work method changes.

Qualifications: This position requires a degree in Engineering with an advanced degree (MS/MBA) preferred. Minimum 6 years of engineering work experience is required with a minimum of 2 years in the gas utility industry preferred.

PGW offers a competitive salary and comprehensive benefits package w/5 year vesting, including health insurance, deferred compensation and tuition assistance. Local applicants preferred. Philadelphia domicile required. **Applicants outside the city must be willing to relocate.**

To be considered for this opportunity, please forward your resume to PGW Organizational Development. **Job Code: ASHRAE021502.** 800 W. Montgomery Avenue. Philadelphia, PA 19122. Fax-215-684-6146

Hrrecruiting@pgworks.com

EOE

Member Services

Members who would like stay on top of the **latest news from ASHRAE** 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 resumé 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 **have their resumé posted on our website**, 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 **Video Resume And Job Opportunities**, visit online portal: www.LookFirst.net.

Looking for work? See jobs posted at STEP, Inc. Send an updated resume to admin@step-inc.com in Word format to be considered for any of these opportunities. Keep in mind that this is a totally FREE SERVICE to any of our applicant clients.

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

Get the inside track on job opportunities in the Architecture and Engineering Industries. Aerotek provides nationwide recruiting and staffing services.

www.aerotek.com
1.888.AEROTEK

Looking for a professional job in the engineering field?

Roger Malatesta
Professional Recruiting Consultants, Inc.
3617-A Silverside Rd
Wilmington, DE 19810
302-479-9550
roger@prcstaffing.com
www.prcstaffing.com

Inside This Issue

	Page
Meeting Announcement	1
President's Message	2
Meeting Info & Speaker Bio	2
Table Top Vendors	3
Technology Awards Program	3
Board Nominations for 07-08	3
Chapter Event Schedule	4
February Meeting Photos	5
Future City Competition	6
Golf Tournament Announcement	7
ASHRAE Standard Seminar	8 & 9
Donor Form	10
Membership Grade Announcements	11
GBPBA	12
Employment Opportunities	13 & 14

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

The *Quaker City Climate*
is published eight times annually by

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
610.971.2169
fax 610.971.4859
ashrae-phila.org

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.