



**Volume 41, No. 1**  
**September 2005**

## PHILADELPHIA CHAPTER

### Pre-Dinner

#### **Introduction of New Board of Governors and Committee Chairpersons**

*See page 4 for a complete list.*

### After Dinner

#### **Past and Ongoing ASHRAE Research Projects**

presented by  
T. Agami Reddy  
*Drexel University*

**Thursday, September 8, 2005**

### **RESEARCH NIGHT**

5:00 to 5:45 PM  
Pre-Dinner Presentation

5:45 to 6:15 PM  
Cocktails and Hors D'oeuvres

6:15 to 7:00 PM  
Dinner

7:00 to 7:45 PM  
After-Dinner Presentation

7:45 to 8:00 PM  
Conclusion

### **STRENGTHEN OUR 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  
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Philadelphia, PA

Self-parking is available in the  
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### **FOR RESERVATIONS**

Call (610) 971-2169

Or Email

[hope@multiservicemgmt.com](mailto:hope@multiservicemgmt.com)

### **RESERVATION NOTICE**

Reservations must be made by  
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  
Discount \$10

Student Members  
\$10

Reservations not cancelled by 12:00 noon  
2 days prior to the meeting date will be  
billed the full amount.

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

**Quaker City CLIMATE**

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

## President's Message

I would first like to thank all our members that have supported my appointment to President for the 2005-2006 year. I look forward to working together with our Board of Governors, our volunteers and our entire membership to strengthen our Chapter and continue the long-standing excellence which the Chapter has been noted for.

Our ASHRAE theme for the year is taken from a Chinese proverb:

***When you drink the water, remember the spring.***

Everyone in our industry and the general public drinks the water afforded by the technologies that ASHRAE establishes through Standards, Guidelines and best practices. Yet most do not appreciate the source of these acceptable practices. It comes from you, the ASHRAE members who volunteer their time to ensure the highest levels of our industry standards are developed and met.

### **CHAPTER GOALS**

Our Philadelphia Chapter has over 900 area-assigned members and is one of the largest chapters in the Society. While on the surface this is something to hang our hats on, there are a number of issues that we as a Chapter need to address.

**COMMUNICATIONS-** Over the past several years, we have gone to an electronic format versus a monthly mailer to conserve cost. Approximately 60% of our members are currently receiving monthly electronic communications. We would like to raise this to 100% so that all members receive the monthly Chapter news. Please contact Hope Silverman at our Chapter office with your email address.

**VOLUNTEERS-** Currently our Board is comprised of 11 members. In addition, we have approximately 14 members who have expressed interest in devoting time to the Chapter for a total of 25. This comprises less than 3% of our membership. Our goal for this year is to double this number and continue to raise volunteer participation in the chapter to at least 15% as a sustainable figure in the future. Please contact Bob Carpenter, Volunteer Coordinator to express your interest.

**MONTHLY MEETINGS-** The Program Committee has established a full schedule for this upcoming year.

Average attendance in the past few years has been in the range of 64 people (only after last minute reservations and/or walk ins), about 7% of our membership. The Chapter subsidizes these meetings and due to lack of attendance is forced to dip into our ever-dwindling reserve fund. We ask that the membership take time out of their busy schedules to attend the monthly meetings and pre-register before the last minute. The goal is to raise attendance to about 15% of membership at each meeting. Contact Programs Committee Chair/President-Elect Stephen Piccolo regarding suggestions to meet this goal.

**CONTRIBUTIONS-** While we each pay Society and Chapter dues, they are supplemented both by corporate and individual contributions on the local level. Please consider contributing when asked.

### **I want to leave you with the following Call to Action:**

- Reach out to your Board Members let them know how you can be best serviced.
- Come out to Meetings and mingle with your fellow members.
- Prior to each monthly meeting we have an executive session. All members are welcome to attend.
- Become involved.

Also visit our Web site at:

**[www.ashrae-phila.org](http://www.ashrae-phila.org)**

It is there for your use.

Feel free to contact me directly by email at **[iaqinc@comcast.net](mailto:iaqinc@comcast.net)** to answer any questions.

Sincerely,

***Ken Strup***

Ken Strup, CxA  
Philadelphia Chapter President

## After-Dinner Presentation

### “Past and Ongoing ASHRAE Research Projects”

This talk will describe and summarize research findings and results of five ASHRAE-funded research projects performed by the speaker in the last 6 years. Other than the first two which are ongoing (and due for completion in January 2006), the other three projects have been completed and related technical papers also published. These involve:

- (1) RP-1275: Evaluation and Assessment of Fault Detection and Diagnostic Methods for Centrifugal Chillers- Phase II; sponsored by TC 7.5: Smart Building Systems;
- (2) RP1051: Procedures for Reconciling Computer-Calculated Results with Measured Energy Data; sponsored by TC 4.7: Energy Estimation Methods;
- (3) RP-1146: Building Operation and Dynamics within an Aggregated Load; sponsored by TC 7.4: Building Dynamics;
- (4) RP-1139: Development and Comparison of On-Line Model Training Techniques for Model-Based FDD Methods Applied to Vapor Compression Equipment; sponsored by TC 7.5: Smart Building Systems; and
- (5) RP-1004: Methodology Development to Determine the Long-Term Performance of Cool Storage Systems from Short-Term Measurements; sponsored by TC 7.6: Systems Utilization.

Another research project (RP 1312) with another Drexel faculty, Dr. Jin Wen, as PI, which started a few weeks back on modeling and validating air-handler models for fault detection and diagnosis purposes will also be described.

## Speaker Bio

**T. Agami Reddy**, Ph.D., P.E. is a Professor in the Civil, Architectural and Environmental Engineering Department at Drexel University, with a joint appointment with the Mechanical Engineering and Mechanics Department. He was a Visiting Faculty at the Mechanical Engineering Department, and Associate Director of the Energy Systems Laboratory of Texas A&M University (1991-97), a Research Staff member and Lecturer at the Mechanical and Aerospace Department of Princeton University (1988-91), and an Assistant Professor at the Energy Technology Division of Asian Institute of Technology (85-86). He joined Drexel University in September 1997. His current research interests are in the areas of heating, ventilating, air-conditioning and refrigeration; energy efficiency; and in solar and renewable energy. He has been involved in 25 funded research projects (federal, state and privately funded), 14 of which he was PI or Co-PI. Dr. Reddy is active in ASHRAE: he is member of several technical committees (TC 4.7 and 7.5), and was involved in several research project monitoring committees. As part of TC 4.7, he made an extensive revision of Chapter 31 of the Fundamentals Handbook dealing with inverse energy analysis methods. He has over 120 research papers in the following topics: modeling, simulation and design, inverse modeling of energy use, fault detection and diagnosis, parameter estimation techniques, and risk analysis. He has taught courses in the areas of heat transfer, thermodynamics, modeling and simulation of solar and energy systems, refrigeration and air-conditioning, building systems, energy conservation, inverse modeling, modeling, simulation and design of HVAC&R systems.

## ASHRAE Volunteers are Needed

Can you spare a few minutes a month to help on one of the following committees for the Philadelphia Chapter?

Membership Promotion Committee  
 Program Committee  
 Research Promotion Committee  
 Refrigeration Committee  
 Technical, Energy & Government Activities Committee  
 Student Activities Committee

Please send an email to our Volunteer Chairman, Bob Carpenter, at [bob@cowardenvironmental.com](mailto:bob@cowardenvironmental.com) to identify your interests to participate.

## Chapters Regional Conference

August 11-13, 2005 at Roanoke, VA

A Brief Review by Steve Ridenour, Senior Governor

The CRC, as it is called, is a training ground for the new incoming officers of the regional chapters. In Region III of ASHRAE, there are 12 chapters that span an area from Pittsburgh to Hampton Roads, VA. The Philadelphia Chapter sent several officers to acquire the necessary background in their duties for the coming year. Sessions were held on Chapter Operations, Student Branches, Research Promotion, Historians, Chapter Secretary, Chapter Finance/Treasurer, Newsletter, Technology Transfer, Membership, and Leadership. The sessions are run by the Region III Officers and the information is just what each officer needs to be effective over the next year. Handouts/notebooks are provided. Lively discussions are encouraged during the sessions.

In addition to the training sessions, awards are given to the chapters that have contributed significantly to the goals and objectives of ASHRAE. The Philadelphia Chapter won awards for Research Promotion (much thanks to Jay Halsey for that), Golden Circle for Research (five Board Members each contributed \$100), Membership Promotion, and Honor Roll. Johnstown won Student Activities, Baltimore won Chapter Operations and Technology Transfer, and National Capital won Overall.

The final task of the CRC was to nominate members for officers. From the Philadelphia Chapter, John Pardekooper was nominated for Regional Vice-Chair (RVC) in Student Activities. And due to his extraordinary accomplishments, Jay Halsey was nominated for RVC in Research Promotion.

At the national level, Larry Spielvogel was nominated for Society Vice President. He is a Fellow in the society and has served for many years on technical committees and conducted seminars on energy in buildings. The Philadelphia Chapter was proud to put forth his name.

## 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 distributed by email in an electronic format (PDF file).

Unless a Chapter member contacts our office and specifically asks that they continue to receive a hard copy by mail, the newsletter is only distributed by email.

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](mailto:hope@multiservicemgmt.com) to be added too our email distribution list, if you are not included already.

*We will keep your email address confidential!*

## 05-06 Directories Have Arrived!

The 2005-2006 Directory of Consulting Firms and Manufacturers' Representatives in the Philadelphia Area is now available for \$20 each. To order your copy, send your check, payable to "Philadelphia Chapter ASHRAE", to:

994 Old Eagle School Road  
Suite 1019  
Wayne, PA 19087-1866

Check  
[www.ashrae-phila.org](http://www.ashrae-phila.org)  
for further information  
on the  
Philadelphia Chapter!

## 2005-2006 ASHRAE BOARD OF GOVERNORS AND CHAIRPERSONS

### PRESIDENT

Ken Strup, CxA  
IAQ Inc.  
859 Jordan Drive  
Bensalem, PA 19020  
Phone: 215-287-4381  
Fax: 215-245-0803  
Email: iaqinc@comcast.net

### PRESIDENT-ELECT

Steve Piccolo  
Air Tectonics, Inc.  
333 North Oxford Valley Road  
Suite 401  
Fairless Hills, PA 19030  
Phone: 215-945-2600  
Fax: 215-945-2602  
Email: spiccolo@airtectonics.com

### VICE PRESIDENT

John Pardekooper, PE  
Siemens Building Technologies  
1450 Union Meeting Road  
Blue Bell, PA 19422  
Phone: 215-654-8040  
Fax: 215-654-8041  
Email:  
john.pardekooper@siemens.com

### SECRETARY

Jeffrey Gilbeaux (see Governor)

### TREASURER

Andrew O'Pella, PE  
Schiller & Hersh Associates  
110 Pennsylvania Avenue  
Oreland, PA 19075  
Phone: 215-886-8947  
Fax: 215-886-8956  
Email: aopella@schillerhersh.com

### SENIOR GOVERNOR

Dr. Steven Ridenour, PE  
Temple University  
College of Engineering  
1947 North 12th Street, Room 326  
Philadelphia, PA 19122-6077  
Phone: 215-204-8825  
Fax: 215-204-6936  
Email: steven.ridenour@temple.edu

### GOVERNOR

Bob Carpenter  
Coward Environmental Systems, Inc.  
501 Birchfield Drive  
Mount Laurel, NJ 08054-4005  
(P) 856-727-4400 (F) 856-727-4344  
bob@cowardenvironmental.com

### GOVERNOR

Jeffrey Gilbeaux, PE  
Gilbeaux Associates  
3000 Atrium Way, #117  
Mount Laurel, NJ 08054  
(P) 856-231-5340 (F) 856-273-6913  
ga1engineering@comcast.net

### GOVERNOR

Bill Hart  
PHY Consulting Engineers  
718 Arch Street  
Philadelphia, PA 19106  
(P) 215-592-1900 (F) 215-592-0192  
bhart@phyinc.com

### GOVERNOR

Brett Jenner  
Honeywell Building Solutions  
1100 Virginia Drive  
Fort Washington, PA 19034  
(P) 215-641-4276 (F) 215-641-4310  
brett.jenner@honeywell.com

### CHAPTER TECHNOLOGY TRANSFER & REFRIGERATION COMMITTEE CHAIR

John Pardekooper (see Vice President)

### CRC DELEGATE

Ken Strup (see President)

### CRC ALTERNATES

Steven Ridenour (see Senior Governor)  
Steve Piccolo (see President-Elect)

### GPBPA LIAISON

Jay Halsey  
Coward Environmental Systems, Inc.  
1625 Russell Road  
Paoli, PA 19301  
Phone: 610-247-4990  
Fax: 610-251-9088  
Email: jay@cowardenvironmental.com

### NEWSLETTER & WEB SITE CHAIR

Jeffrey Gilbeaux (see Governor)

### NOMINATING COMMITTEE

TBD

### PROGRAMS COMMITTEE CHAIR

Steve Piccolo (see President-Elect)

### RESEARCH & MEMBERSHIP PROMOTION COMMITTEE CHAIR

Bill Hart (see Governor)

### STUDENT ACTIVITIES COMMITTEE CHAIR

Mike Witkowski, PE  
McHugh Engineering, Inc.  
550 Pinetown Road  
Fort Washington, PA 19034  
(P) 215-641-1158 (F) 215-641-0194  
mwitkowski@mchugheng.com

### SCHOOL COORDINATOR/ CHAPTER HISTORIAN

Steven Ridenour (see Senior Governor)

### VOLUNTEER COORDINATOR

Bob Carpenter (see Governor)

#### ASHRAE, Philadelphia Chapter

994 Old Eagle School Road  
Suite 1019  
Wayne, PA 19087-1866  
Phone: 610-971-2169  
Fax: 610-971-4859  
Email: hope@multiservicemgmt.com

[www.ashrae-phila.org](http://www.ashrae-phila.org)

#### ASHRAE, Society Headquarters

1791 Tullie Circle, NE  
Atlanta, GA 30329  
Phone: 404-636-8400  
Fax: 404-321-5478

[www.ashrae.org](http://www.ashrae.org)

## PHILADELPHIA CHAPTER ASHRAE 2005 - 2006 PROGRAMS

*For reservations and updates, check [www.ashrae-phila.org](http://www.ashrae-phila.org).*

Date	Location	Pre-Dinner Topic	Dinner Topic	Theme
Thursday Sept 8	Colleen's	Introduction of New Board & Committee Chairs	Drexel University Research Program	Research
Wednesday Oct 26	Philadelphia Marriott	Consultants Invited Guests of SMCA	Revisions to SMACNA Publications Duct Design & Construction	SMCA Engineer's Night
Thursday Nov 10	Colleen's	Non-Chemical Water Treatment	Presentation by Facility Owner	Refrigeration
Thursday Dec 8	Union League	BREAKFAST	AIA Presentation "Art vs. Science"	Technology
Thurs Jan 12	Colleen's	IAQ and Productivity	Presentation by Facility Owner "Integrated Design"	LEED (Joint Meeting with DVGBC)
Thursday Feb 9	Colleen's	Career Demographics for the Engineering Industry	Ductless Air Distribution	Student Night (Joint Meeting with SMCA)
Thursday Mar 9	Cescaphe	Table Top Vendor Show	Panel Discussion	GPBPA
Thursday April 6	Colleen's	Standard 62 Compliance IAQ Method	ASHRAE Standards	Past President's Night
Thursday May 11	Colleen's	Humidity Control	IBC Seismic Requirements	ASHRAE Scholarship Night
(date TBD) May 2006	Princeton University Campus	Centralized Thermal Energy Storage	Tour of New TES Plant	Field Trip
(date TBD) June 2006	Temple University Campus	Program Planning Meeting for 2006-2007		



Please help the ASHRAE Research 2005-2006 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 Steve Ridenour, Research Program Chairman, at [steven.ridenour@temple.edu](mailto:steven.ridenour@temple.edu).

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## **ASHRAE RESEARCH - Donor Form Philadelphia Chapter 21 - Region 3**

### **1) Type of Contribution;**

☐ Individual

☐ Corporate

☐ Memorial To: \_\_\_\_\_

Please attach the details for the acknowledgement 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**

**!! NEW !!****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 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](http://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](http://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.



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## Corporate Sponsors

Thank you to our 2004-2005 Corporate Sponsors:

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Tri State HVAC Equipment  
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We are currently accepting donations for corporate sponsors for 2005-2006. Please contact Hope at [hope@multiservicemgmt.com](mailto:hope@multiservicemgmt.com) if you are interested.

Your firm's participation in this program would enable us to make a wonderful donation to Research Promotion which includes over \$ 1.5 million in local research funding.

The following are the benefits your company will enjoy as a Corporate Sponsor:

- All corporate sponsors are listed on our web site – [www.ashrae-phila.org](http://www.ashrae-phila.org). You may also submit a written description of your firm, as well as establish a link to your own web site.
- Each sponsor may submit a 250 word bio of their company for publication in our monthly newsletter, The Quaker City Climate.
- Participation in high quality programs to better equip your employees for today's demands.
- Ease of payment through one lump sum payment.
- A preferred tee time for one foursome at our yearly ASHRAE Golf Outing typically held at the DuPont Country Club.
- Free copies of the Philadelphia Chapter's Directory, "Manufacturers' Representatives in the Philadelphia Area" – a \$20/Directory value - see quantity based on donation level.

Recognition as a Corporate Sponsor at all events by way of our corporate sponsor plaque that is exhibited at our meetings.

## Greater Philadelphia Building Professionals Association

The [www.GPBPA.org](http://www.GPBPA.org) has been accepted by the major technical associations in the Philadelphia area. The web site calendar has advance information for future events and seminars so that you and all the interested parties may plan and attend these events and seminars. The present important action is up to you. Please email and post this notice in your break area that there is a free web site for technical professionals to find out what related associations are presenting (i.e. AEE, AIA, ASCET, ASHRAE, ASPE, ASPE Estimators, CMAA, DVGBC, ECOP, GBCA, IESNA-Phil, SFPE, SJMCA, and SMCA). We are very surprised that BOMA has resisted joining the GPBPA, and if you are able to talk with any BOMA Board members, we would appreciate your asking them why they have not joined the GPBPA association.

Please email your work associates and friends to review **[www.gpbpa.org](http://www.gpbpa.org)** and continue to make our combined efforts a force to be heard in the building community!

## Plan Now for 2005 Engineer's Night

Save the date: October 26, 2005, Philadelphia Marriott, it promises to be an entertaining and extremely informative evening. The annual SMCA Engineer's Night is scheduled for that evening at the Philadelphia Marriott Downtown, 1201 Market Street. Tabletop displays by our Vendors and cocktails will start off the evening. Our featured speaker will be Eli P. Howard III, Director of Technical Resources for the Sheet Metal and Air Conditioning Contractors National Association.

October's program will feature SMACNA's new HVAC Duct Construction Standards, which was recently revised for the first time in ten years after extensive computer simulation and duct specimen testing. Some of the key changes include detailed tables for T-25a and T-25b joints; expansion of mid-panel tie-rods; double-wall duct construction details; and expansion of the pressure class selection tables. Also included in the new Standards are an engineering and design chapter and additions to the round and oval duct tables.

Remember to mark your calendar now: October 26, 2005, Philadelphia Marriott.

## 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/template/AssetDetail/assetid/25424>). The information is under the "Technology Awards Program" heading near the bottom of that web page.

All entries should be mailed to John Pardekooper no later than March 1, 2006 at Siemens Building technologies, 1450 Union Meeting Road, Blue Bell PA 19422. Please contact John at [john.pardekooper@siemens.com](mailto:john.pardekooper@siemens.com) or by phone at 215-654-8040 if you have questions about this program.

Check the Calendar at  
[www.gpbpa.org](http://www.gpbpa.org)  
for further information  
on events for DVGBC, ASPE, SMCA,  
and other organizations!



## design on the delaware

**nov 4-5 2005**

**wyndham hotel at franklin plaza  
philadelphia, pa**

### conference overview

AIA Philadelphia, the largest Chapter of the American Institute of Architects in Pennsylvania and the Delaware Valley region, is pleased to present the third annual Design on the Delaware regional conference. AIA Philadelphia has partnered with related professional organizations and AIA chapters for the programming and planning of this two day event. This collaboration will produce an interdisciplinary convention that provides participants with new perspectives on the issues and opportunities of our built environment in the Delaware Valley region and beyond.

### conference program

Design on the Delaware will offer a keynote address and two plenary sessions by nationally recognized speakers, four program tracks offering AIA Continuing Education System registered seminars, a trade show with 92 exhibitors providing information on new products, services, and technologies of interest to architects, landscape architects, planners, engineers, contractors, and developers.

### conference participants

Design on the Delaware will draw participants from each of the 22 participating professional associations and organizations. These organizations represent a membership of more than 8,700 architects, industrial designers, landscape architects, interior designers, engineers, planners, contractors, marketing professionals and business leaders from Eastern Pennsylvania, New Jersey and Delaware. More than

250 persons are anticipated at the educational programs and an additional 500 professionals are expected to visit the trade show.

### conference information/contacts

Pat Gourley Schwartz  
Director of Programs & Special Events  
AIA Philadelphia  
117 South 17<sup>th</sup> Street  
Philadelphia, PA 19103  
Phone: 215-569-3186 x 105  
Fax: 215-569-9226  
[Pat@aiaphila.org](mailto:Pat@aiaphila.org)  
[www.designonthedelaware.com](http://www.designonthedelaware.com)

### exhibit opportunities

Every member of the 22 collaborating organizations will be provided free admission to the exhibit hall. Exhibit admission tickets will be distributed to the 8,700+ members of the participating organizations and will be accessible via the conference web site [www.designonthedelaware.com](http://www.designonthedelaware.com).

**set up:** Friday, November 4, 7 am to 11 am

**show hours:** Friday, November 4, 11:30 am to 8 pm and Saturday, November 5, 8 am to 3:30 pm. Exclusive show hours will be Friday, 3:45 to 8 pm and Saturday, noon to 2 pm

**tear down:** Saturday, November 5, 3:30 pm

### rates

AIA Philadelphia members

- \$750 aisle booth      \$900 corner/end booth

non-members

- \$1000 aisle booth      \$1250 corner/end booth

92 booths, 8' deep and 10' wide

each booth includes: 8' high back walls, 3' high side walls, one 6' draped table, 2 chairs, standard head sign

**3<sup>rd</sup> Annual DVGBC General Membership Meeting**

Thursday, October 20, 2005

Philadelphia Naval Business Center  
One Crescent Drive

The City's first LEED-Core and Shell Pilot Project,  
Developed by Liberty Property Trust

Our Featured Guest Presenter

Kevin Hydes

Chair of the US Green Building Council,  
and President of Keen Engineering

Mark your calendars to spend a great evening with over  
300 members of our industry who are shaping the future of  
green building in the Delaware Valley

To register visit: [www.dvgbc.org](http://www.dvgbc.org)

Sponsorships available!

Contact Mark Purcell, Heery International

Phone: 610.651.2910

Email: [mpurcell@heery.com](mailto:mpurcell@heery.com)

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**DVGBC Presents LEED Workshop**

The DVGBC will present an all day workshop, "Driving Down the Cost of LEED®, Driving Up the Value of Your Building", on Thursday, September 15 at PECO Energy Co. on Market Street in Philadelphia.

The workshop will provide building professionals with skills, tools and knowledge useful to successfully deliver LEED certified projects that meet their economic and environmental project goals.

The speakers are from Paladino & Company wrote the quintessential guide to LEED (the LEED Reference Guide), ran the LEED Pilot Program, and has reviewed two-thirds of all the certified projects to date. They have consulted on 16 LEED rated projects (including 5 Gold) and are currently working on 50 additional projects.

7.0 AIA/CES LUs will be provided. See [www.dvgbc.org](http://www.dvgbc.org) for more information. You may also register at [www.paladinoandco.com](http://www.paladinoandco.com) (select "Get to Green" from the Events page). Contact Dana Carney, [dcarney@dvgbc.org](mailto:dcarney@dvgbc.org), (215) 772-1464, with questions.

## 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](http://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](mailto: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](http://www.LookFirst.net)

Looking for work, see job posted at STEP, Inc.  
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](http://www.step-inc.com)

Send an updated resume to [admin@step-inc.com](mailto: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.

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610.971.2169  
fax 610.971.4859  
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Jeff Gilbeaux, PE  
Gilbeaux Associates  
3000 Atrium way, #117  
Mount Laurel, NJ 08054  
or email: [ga1engineering@comcast.net](mailto:ga1engineering@comcast.net)  
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Material can include letters to the editor,  
member news, upcoming events,  
comments on chapter programs or issues, etc.

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