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THERMOGRAM

January 2017
Volume LI Issue 06

Main: Engineering Ethics

Tech Session: Optimization in HVAC Pumping

A SPECIAL THANKS
TO OUR
NETWORKING
SPONSORS FOR THE
EVENING:



ASHRAE January 5th MEETING:

Tech Session:	5:00 pm – 5:45 pm	Dinner:	6:30 pm – 7:00 pm
Network Hour:	5:30 pm – 6:30 pm	Main Speaker:	7:00 pm – 8:15 pm

****The Dinner Meeting Fee is now \$35****

Main Meeting: Engineering Ethics, A Case Study Approach

Speaker: Jennifer Leach, PE

Test your "Ethics IQ" against real cases. This is an interactive session where actual NPSE ethics cases are examined. Two cases will be presented. Participants will engage in discussion of the cases in small groups and then reveal their decisions. The actual NSPE decisions will then be provided. Moderated by Jennifer Leach.

Ms. Leach is a Regional Sales Manager for Patterson-Kelley, a manufacturer of boilers and water heaters. She's very active in ASHRAE, volunteering in the Baltimore and National Capital Chapters as well as Society. At the Society level Jen currently serves on the Conferences and Expositions Committee, the chair of TC1.07 Business, Management & Legal Education, and is a former chair of the Women in ASHRAE Ad-hoc committee. Ms. Leach is a 1995 graduate of the Architectural Engineering program at Penn State and is a registered Professional Engineer in Maryland.

Tech Session: Optimization in Water Pumping Systems

Speaker: Peter Wolff, Armstrong Fluid Technologies

Presentation Abstract:

- Traditional versus modern pump selection to meet ASHRAE 90.1 minimum norms
- Methods to deliver LEED points using optimized pumping
- Installed cost and energy savings delivered by optimized pump installations
- Sensor less pump control and its benefits

*This presentation is registered with GBCI for continuing professional education (Course # 0090011102)

Peter Wolff is Business Development Manager for Armstrong Fluid Technology in the Mid-Atlantic region. He has worked in the pump industry for over 35 years, in sales, service, engineering, product development and aftermarket roles working in the UK, Middle East and now the USA in his second spell here. Peter lives in Gaithersburg MD, is a member of the ASHRAE National Capital Chapter and is on the DOE list of Pump System Assessment Tool (PSAT) Qualified Assessors.

The January meeting will take place at the Engineers Club.
11 West Mount Vernon Place Baltimore, MD 21201



2016-2017 Chapter Leadership Roster

Officers

President P:410-316-7800	Dave Reese president@ashrae-balto.org	KCI Technologies
President-Elect P:410-323-0600	Craig Parks vp@ashrae-balto.org	BKM
Treasurer P:410-880-0850 x123	Brad Watkins treasurer@ashrae-balto.org	Cummins-Wagner
Secretary P:410-329-8100	Steph Kunkel secretary@ashrae-balto.org	JMT
Board Member P:410-793-0202	James Cote asstsecretary@ashrae-balto.org	United Energy Products
Board Member P:443-561-1652	Jeff Shook gov2@ashrae-balto.org	Chesapeake Systems
Board Member P:443-977-9741	Sherry Abbott-Adkins senioradvisor@ashrae-balt.org	A Squared Plus Engineering
Past-President P:410-303-3125	Adam Fauer pastpresident@ashrae-balto.org	

Committee Chairs

Attendance/Recpt. P:443-224-1594	Theresa Schroeder reservations@ashrae-balto.org	Whitman Requardt
Chapter Programs P:410-323-0600	Craig Parks programs@ashrae-balto.org	BKM
Historian P:410-704-2717	Alex Clark historian@ashrae-balto.org	Towson University
Membership P:443-809-9079	Kaylee Haupt membership@ashrae-balto.org	BCPS
Refrigeration P:410-403-2200	Jon Olmstead refrigeration@ashrae-balto.org	The Trane Company
Research Promotion P: 410-579-8100	Ryan Berger research@ashrae-balto.org	Leach Wallace Associates, Inc
Scholarship P:410-298-2400	Saqib Ashraf scholarship@ashrae-balto.org	Carrier
Student Activities P:410-329-8100	Sam Philipp studentacts@ashrae-balto.org	JMT
Student Activities P:410-652-5437	Robert Broczowski studentacts@ashrae-balto.org	Mueller Associates
Young Engineers P:410-746-4168	Nancy Neely yea@ashrae-balto.org	Johnson Controls, Inc
CTA P:410-323-0600	Craig Parks cta@ashrae-balto.org	BKM
CTTC P:410-323-0600	Craig Parks cttc@ashrae-balto.org	BKM
Thermogram P:410-381-7655	Kelly Brennan newsletter@ashrae-balto.org	Schneider Electric
Engineers Week P:410-329-8100	Sam Philipp engweek@ashrae-balto.org	JMT
Web Technician P:410-316-7800	Ben Becker ashtech@ashrae-balto.org	KCI Technologies
Christmas Party P:410-527-2612	John Prusak Christmas@ashrae-balto.org	Johnson Controls, Inc.
Golf Outing P:443-561-1600	R L Gladden golf@ashrae-balto.org	Chesapeake Systems
Women in ASHRAE P:240-542-5568	Jennifer Leach wia@ashrae-balto.org	Cummins-Wagner
Grassroots Activities P:410-792-4230	Rich Goins / Chris Meyer gga@ashrae-balto.org	Cummins-Wagner

ASHRAE Reservation Hotline

Phone: 443-224-1594 ASHRAE Baltimore Chapter
Attn: Theresa R Schroeder reservations@ashrae-balto.org

In alignment with the "Green Trends" of ASHRAE we have eliminated the paper copies of the Membership Roster. An electronic copy will be available at meetings, upon request.

President's Pen

Season's Greetings!

It was great seeing so many of you at our Christmas Party. If the spirit exhibited at the event is any harbinger for the new year, we can expect great times ahead!

It is amazing how quickly 2017 is upon us. Baltimore has a new Mayor, our country will soon have a new leader, and **the Baltimore Chapter of ASHRAE will have new Dinner Meeting fees!** That's right, **the fee for our dinner meetings will increase, starting at our January 5th meeting, from \$25 to \$35.** The Board has put off increasing our dinner meeting fees for as long as we could. The chapter has been subsidizing the dinner meeting costs for many years. The ESB charges the chapter \$40 to \$50 per person per meal, depending on what entrée is selected for a particular evening. Since we are a non-profit organization, our chapter budget is set up to balance out to zero. That is, our expenses are to equal our income. Your Board is the steward of the chapter finances. Thanks to previous Boards, throughout the years, the Baltimore Chapter is in great financial shape. It is the intent of the present Board to keep it that way.

Upcoming events include the Society Winter Conference which will be taking place in Las Vegas from January 28th through February 1st. Our Region, Region III, will be holding a dinner on Sunday night during the conference. Please look for details elsewhere in this newsletter. February is Refrigeration month for our Chapter. Jonathan Olmstead of Trane has arranged for us to have a private tour of the Heavy Seas Brewery on Tuesday February 7th. Additional details will be provided in next month's Thermogram.

So, what are the 3 things we need to take away from this message?

- 1) **Dinner Meeting fees are now \$35.**
- 2) **Region III will be holding a dinner for members at the ASHRAE Winter Conference. Details are elsewhere in this newsletter.**
- 3) **February's Chapter meeting will be held on Tuesday February 7th. We will be meeting at and touring the Heavy Seas Brewery. Details will be provided in next month's Thermogram.**

Happy New Year!! See you at the club on January 5th!!

Dave Reese



2016-2017

Meeting Schedule

Please mark your calendar with the following dates for the 2016 through 2017 Baltimore Chapter meetings. A complete schedule indicating seminar, technical session and main meeting topics will be published in the coming month's Thermogram and is also available on the chapter website

www.ashrae-balto.org.

August 18, 19 & 20, 2016	Chapter Regional Conference	Philadelphia, PA
September 7th, 2016	7th Annual Product Show: 3:00—8:00pm	Radisson Timonium
October 6th, 2016 <i>Research Promotion</i>	Main Meeting: ASHRAE Headquarters Renovation Tech Session: Energy Modeling...Why?	ESB
November 10th, 2016 <i>Membership Promotion</i>	Main Meeting: Microgrids Tech Session: Updates to Performance Ratings of Commercial Unitary Equipment	ESB
December 2, 2016	Christmas Party	Timonium Fairgrounds
January 5, 2017 <i>Women in ASHRAE</i>	Main Meeting: Engineering Ethics: A Case Study Approach Tech Session: Optimization in HVAC Pumping	ESB
February 2, 2017 <i>Refrigeration</i>	Main Meeting: Refrigeration Tour Tech Session: N/A	Heavy Seas Brewery
March 9, 2017 <i>Membership Promotion</i>	Main Meeting: High Performance Run-Around Energy Recovery Tech Session: Design and Application of Compressors	ESB
April 6, 2017 <i>Former Presidents Night</i>	Main Meeting: Heat Wheel Energy Recovery Tech Session: Application of Variable Frequency Drives	ESB
May 4, 2017 <i>Research Promotion & Student Night</i>	Main Meeting: TBD Tech Session: TBD	ESB
June 2, 2017 (Tentative)	58th Annual Golf Outing	Turf Valley CC

Main Meeting Schedule: 5:30 pm social hour, 6:30 pm dinner, 7:00 pm speaker

Tech Session Schedule: 5:00 - 5:45 pm

Cost: \$35 dinner fee for full members, \$10 dinner fee for students



2017 Las Vegas Winter Conference Courses



ASHRAE Learning Institute Continuing Education Courses at the 2017 Winter Conference in Las Vegas, Nevada

The ASHRAE Learning Institute will offer 20 courses during the ASHRAE Winter Conference and AHR Expo. All courses are approved for continuing education credits toward maintaining P.E. licensure. For more information on the ASHRAE 2017 Winter Conference, please visit, www.ashrae.org/lasvegas.

Registration for seminars and courses will be available on site.

Caesars Palace – Headquarter Hotel

3570 S. Las Vegas Boulevard
Las Vegas, NV 89109

Las Vegas Convention Center

North/South Building
3150 Paradise Road
Las Vegas, NV 89109

Registration Fees

\$510

\$415 for ASHRAE members

Each seminar earns 6 PDHs/LUs or .6 CEUs

Check with your state for their continuing education credits requirements

Gary C. Debes
Region III ECC Chair

Reply to: Blackney Hayes Architects
150 S. Independence Mall West
Suite 1200
Philadelphia, PA 19106
Tel: 484.886.7400
gcdebes@verizon.net

Dear Region III Members:

I have the pleasure of inviting you to attend the **Region III Winter Meeting Dinner**. It will be held on Sunday, January 29, 2017 at Hofbrauhaus Las Vegas, 4510 Paradise Road, Las Vegas, Nevada 89169 (702) 740-7888.

You are cordially invited to join other members from Region III for an evening of delicious food, drinks and fellowship. Hofbrauhaus Las Vegas is just a few blocks from the Las Vegas Hilton. We will meet in the hotel lobby for a short cab ride to the restaurant.

Dress is business casual

The schedule for the evening has been arranged as follows:

- 6:00 PM Meet at the Caesar's lobby to take a shared cab ride to the restaurant.
- 6:30 PM Arrive at Hofbrauhaus for drinks (cash bar).
- 7:30PM Dinner will be served from the attached menu, Soft Drinks, Coffee, Iced Tea are included

The price for this great evening is \$55.00 per person. Please complete the reservation form below and return it to me, along with your check made payable to: **"ASHRAE REGION III"**, so that I will receive it **no later than Monday, January 22, 2017**.

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

We are once again inviting our Student Members to join us, if you are interested in sponsoring one or more of these students please feel free to contact me, Paul Petrilli or Dunstan Macauley.

Once again, I look forward to seeing you on January 29th!!!!

Region III Winter Meeting Dinner

Sunday, January 29, 2017 at Hofbrauhaus Las Vegas

Name _____ Banquet _____ Quantity _____

Name _____ Vegetarian _____ Quantity _____

Total Quantity _____ X \$55.00 = _____

NOTE: MAIL BACK THIS RESERVATION TO GARY DEBES AT:

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

Please use this reservation as your receipt

Honors and Awards

Greetings Members,

Each year, ASHRAE recognizes members at every level of the organization for outstanding achievements. We are very proud of the contributions our colleagues have made on behalf of the Society, as well as the industry in general. We encourage you to help us recognize these members by nominating them for an appropriate award.

There are several categories for these achievements, including:

- Personal Honors
- Honors for Society Activities
- Society Awards to Groups or Chapters and,
- Chapter and Regional Awards

Nominations for these awards can be made by chapters, regions, committees, and even individual ASHRAE members. If you have an idea for an award nominee, please contact me by emailing adamfauer@gmail.com.

In the meantime, all ASHRAE Award nominations require a current biographical record, which are located at the ASHRAE site. For your ASHRAE Bio, please follow this link: <https://www.ashrae.org/membership--conferences/my-membership>. You will need to sign in to update your bio, and/or access your profile.

They're your achievements, be proud of them... take a few minutes to update your ASHRAE Bio today!

Best Regards,

Adam Fauer

Past President

16-'17 Honors and Awards Chair

2016 - 2017 ASHRAE BALTIMORE SCHOLARSHIPS
Student Application

December 31, 2016
The Deadline Is Approaching



For More Information Visit:
ASHARE-BALTO.org

The Baltimore Chapter of the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE Region III, Chapter 025) is pleased to offer scholarships to select college and high school students who are pursuing their Bachelor's Degree in an ASHRAE-related field of practice. Among other specific criteria, scholarship eligibility is limited to students residing in, or moving to, the Baltimore Chapter assigned geographical area as a permanent resident (students residing outside the area who may otherwise not qualify based on their residence may still apply if intending to move to the Baltimore area upon graduation).

Applications will be reviewed anonymously by the *ASHRAE Baltimore Scholarship Committee* for award to students directly during the first quarter of 2017. The application deadline indicated below cannot be extended

Scholarship Chairperson
 ASHRAE Scholarship Committee
 c/o Saqib Ashraf
 Carrier Corporation
 3701 Commerce Drive, Suite 11
 Baltimore, MD 21227

*** For additional questions, contact Saqib via email at Saqib.Ashraf@carrier.utc.com, or via phone at 240-278-4611***

ASHRAE Baltimore		Region III		Chapter 025		
Dave Reese President	Craig Parks Vice-President	Brad Watkins Treasurer	Steph Kunkel Secretary	James Cote Governor	Jeff Shook Governor	Adam Fauer Past President

