



www.ashrae-balto.org

THERMOGRAM

December 2015
Volume XLX Issue 06

Friday December 4, 2015
ASHRAE BALTIMORE
CHRISTMAS PARTY

Come join us for the 66th annual ASHRAE Baltimore Christmas party!

WHEN: Friday December 4, 2015; 5:00 PM –9:00PM

WHERE: Timonium Fairgrounds 4H Building

If you're interested in attending the ASHRAE Christmas party, contact John Prusak at Christmas@ashrae-balto.org(410.527.2612)

Tickets are \$55 and include dinner and beer for the evening.



The December meeting will take place at the Maryland State Fairgrounds in Timonium in the 4H Building. 2200 York Rd Timonium, MD 21093

2015-2016 Chapter Leadership Roster

Officers

President P:410-303-3125	Adam Fauer F: president@ashrae-balto.org	KCI Technologies
President-Elect P:410-316-7800	Dave Reese F:410-316-7900	vp@ashrae-balto.org
Treasurer P:410-323-0600	Craig Parks F:410-377-2543	BKM
Secretary P:410-880-0850 x123	Brad Watkins F: 301-490-7156	Cummins-Wagner
Board Member P:410-329-8100	Steph Kunkel F:301-490-7156	secretary@ashrae-balto.org JMT
Board Member P:410-793-0202	James Cote F:410-721-7472	asstsecretary@ashrae-balto.org United Energy Products
Board Member P:443-977-9741	Sherry Abbott-Adkins F:410-374-5471	gov2@ashrae-balto.org A Squared Plus Engineering
Past-President P:410-645-1552	Dave Lawson F:410-645-1616	senioradvisor@ashrae-balt.org Siemens Bldg Technologies pastpresident@ashrae-balto.org

Committee Chairs

Attendance/Recpt. P:443-224-1594	Theresa R Schroeder F:410-243-5716	Whitman Requardt reservations@ashrae-balto.org
Chapter Programs P:410-316-7800	Dave Reese F:410-316-7900	KCI Technologies, Inc. programs@ashrae-balto.org
Historian P:410-704-2717	Alex Clark	Towson University historian@ashrae-balto.org
Membership P:410-381-7100	Alan Kratz F:	Allen & Shariff membership@ashrae-balto.org
Refrigeration P:410-403-2200	Jon Olmstead F:410-403-2225	The Trane Company refrigeration@ashrae-balto.org
Research Promotion P:410-531-1600	Jeff Shook F:443-561-1601	Chesapeake Systems research@ashrae-balto.org
Scholarship P:410-298-2400	Saqib Ashraf F:860-353-2462	Carrier scholarship@ashrae-balto.org
Student Activities P:410-329-8100	Sam Philipp F: 410-472-2200	JMT studentacts@ashrae-balto.org
Student Activities P:410-652-5437	Robert Broczowski F: 410-646-4738	Mueller Associates studentacts@ashrae-balto.org
Young Engineers P:443-921-8718	Kaylee Haupt F:410-377-2543	BKM yea@ashrae-balto.org
CTA P:410-316-7800	Dave Reese F:410-316-7900	KCI Technologies cta@ashrae-balto.org
CTTC P:410-316-7800	Dave Reese F:410-316-7900	KCI Technologies cttc@ashrae-balto.org
Thermogram P:443-832-5733	Kelly Brennan F:410-381-7654	Schneider Electric newsletter@ashrae-balto.org
Engineers Week P:410-329-8100	Sam Philipp F: 410-472-2200	JMT engweek@ashrae-balto.org
Web Technician P:410-579-8100	Dave Brackett F:410-540-9041	Leach Wallace Associates ashtech@ashrae-balto.org
Christmas Party P:410-527-2612	John Prusak F:410-472-4928	Johnson Controls, Inc. Christmas@ashrae-balto.org
Golf Outing P:443-561-1600	R L Gladden F:443-561-1601	Chesapeake Systems golf@ashrae-balto.org
Women in Engineering P:240-542-5568	Jennifer Leach F:301-490-7156	Cummins-Wagner wie@ashrae-balto.org
Grassroots Activities P:443-348-2017	Matthew Grice F:410-298-3940	Gannett Fleming gga@ashrae-balto.org

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

It is hard to believe that another holiday season is almost upon us. I hope that many of you will join your fellow ASHRAE members in celebrating the holidays by attending the 66th Annual Baltimore ASHRAE Christmas Party. There are still tickets available so please contact John Prusak (Christmas@ashrae-balto.org) if you would like to attend.

Many thanks to Mr. Eli P. Howard, III, SMACNA's Executive Director Technical Services, who provided the technical session presentation and Mr. Matt Pemberton, Regional Manager (Mid-Atlantic USA) for Swegon North America, who provided the main session presentation. Both presentations were well attended and provided some great information.

As is my custom, I would like to take a minute to recognize one of our great volunteers: Stephanie Kunkel. Stephanie is our assistant secretary on the board of governors and an active participant in the WIE and YEA committees. Steph is the friendly face you see at every event and has worked diligently to help grow the diversity of our membership. Stephanie has done a fantastic job and I would like to take this opportunity to thank her for all her hard work.

The next "regular" meeting will be held on January 7th at the ESB. January's topics will be "BIM" for the tech session and a panel discussion with a local contractor, engineer and manufacturer's representative for the main session. The panel members will discuss what they have learned during their careers. Please come and join us for the technical session at 5 pm, followed by the social hour at 5:30 and dinner at 6:30. Similar to last year, each full-session meeting will provide an opportunity for 2 PDH's if you attend both the technical session and main meeting session.

Presidential Award of Excellence (PAOE):
In an effort to recognize our chapter and members for their contributions to the ASHRAE community please let me know if you or a chapter member you know has fulfilled any of the following:

- Chapter member that submits for a bEQ rating
- Chapter member presentation on bEQ to an outside organization
- For each Professional Development Hour (PDH) earned by a chapter member on a building science topic other than HVAC&R (e.g., fenestration, insulation, lighting)

Please send me any applicable information at

adamfauer@gmail.com.

Upcoming events:

- 66th Annual Christmas Party: December 4, 2015
- ASHRAE 2016 Winter Conference: January 23-27, 2016 in Orlando, FL
- January Meeting: January 7, 2016 at the ESB
- Refrigeration Tour: February 2016 (details to follow)

Please check our chapter website (www.ashrae-balto.org) for event information and schedules. Thank you for your support of the Baltimore Chapter of ASHRAE.

See you soon

Adam



2015-2016

Meeting Schedule

Please mark you calendar with the following dates for the 2015 through 2016 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 13, 14 & 15, 2015	Chapter Regional Conference	Johnstown, PA
September 9th, 2015	6th Annual Product Show: 3:00—8:00pm	Radisson Timonium
October 8th, 2015	Main Meeting: Advanced Energy Design Guides to Net Zero Buildings Tech Session: Airflow Measurement - Building/Space Pressurization (Volume Tracking) and Intake Control <i>Research Promotion Night</i>	ESB
November 5th, 2015	Main Meeting: Chilled Beam Systems Tech Session: SMACNA New Duct Construction Manual	ESB
December 4, 2015	Christmas Party	Timonium Fairgrounds
January 7, 2016	Main Meeting: Tentative - Panel discussion What have I learned? Panel: Engineer, Contractor, Mfr's. Rep. Tech Session: Tentative - BIM	ESB
February 4, 2016	Main Meeting: TBD Tech Session: N/A	TBD
March 3, 2016	Main Meeting: Combined Heat and Power Tech Session: TBD	ESB
April 7, 2016	Main Meeting: Hybrid Condensing/Non-Condensing Boiler Systems Tech Session: Air Management in Hydronic Systems	ESB
May 5, 2016	Main Meeting: Tentative—Effective Communication Skills Tech Session: TBD	ESB
June 3, 2016	57th 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: \$25 dinner fee for full members, \$10 dinner fee for students



2016 ASHRAE Winter Conference



Jan. 23–27 | Orlando Hilton | Orlando, Fla.

*New Technical Program Tracks, Networking,
World's Largest HVAC&R Marketplace*

Special first time attendee registration fee available! Low, early-bird registration rates end Nov. 2. Register early! Registration to the ASHRAE Winter Conference includes free access to the AHR Expo!



2016 AHR Expo
Jan. 25–27 | Orange Co.
Conv. Center | Orlando, Fla.

Venues are strategically located next to each other for easy access.

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 dave.lawson@siemens.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,



Dave Lawson
Former President
'15-'16 Honors and Awards Chair

66th ASHRAE CHRISTMAS PARTY

Date: December 4th, 2015

Time: 5:00 P.M. until 9:00 P.M.

Place: 4H Building, Timonium Fairgrounds

\$55.00 / PERSON

Attn: John Prusak (Johnson Controls, Inc.)

Fax: 410-527-2730

Phone: 410-527-2612

Email: john.prusak@jci.com

Your Mailing Address

Attn:

Company Name:

Address:

Phone:

Email:

No. of Tickets:

NOTE: Tickets will not be mailed until receipt of payment. Make checks payable to ASHRAE and mail to my attention at 60 Loveton Circle, Sparks, Md. 21152.

"First Come, First Serve"

Also, please consider making a donation to the ASHRAE Research Fund in the amount of \$_____

ASHRAE Learning Institute

Seminars & Courses at ASHRAE's Winter Conference in Orlando, FL

2 WAYS TO REGISTER

Internet: www.ashrae.org/orlandocourses

Phone: Call 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Full-Day Professional Development Seminars

\$485/\$395 ASHRAE Member -- Earn 6 PDHs/AIA LUs or .6 CEUs

Commercial Building Energy Audits

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

Energy Modeling Best Practices and Applications

Tuesday, January 26, 2016 – 9:00 a.m. to 4:00 p.m.

Commissioning Process in New & Existing Buildings

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

Operations & Maintenance of High-Performance Buildings

Tuesday, January 26, 2016 – 9:00 a.m. to 4:00 p.m.

Designing HVAC Systems to Control Noise & Vibrations

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

Half-Day Short Courses

\$159/\$119 ASHRAE Member -- Earn 3 PDHs/AIA LUs or .3 CEUs

Laboratory Design: The Basics and Beyond

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Advoiding IAQ Problems

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Troubleshooting Humidity Control Problems

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Commissioning Process & ASHRAE Standard 202

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Understanding & Designing Dedicated Outdoor Air Systems

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Complying with Standard 90.1-2013: HVAC/Mechanical

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Variable Refrigerant Flow System Design & Applications **NEW!**

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Evaluation and Control of Legionella in Building Water Systems **NEW!**

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Air-to-Air Energy Recovery Applications: Best Practices

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

Exceeding Standard 90.1-2013 to Meet LEED Requirements

Monday, January 26, 2016 – 9:00 a.m. to 12:00 p.m.

Applications of Standard 62.1-2013

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

IT Equipment Design Evolution & Data Center Operation Optimization

Monday, January 26, 2016 – 9:00 a.m. to 12:00 p.m.

Building Demand Response & the Coming Smart Grid

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

Designing High-Performance Healthcare HVAC

Monday, January 26, 2016 – 1:00 p.m. to 4:00 p.m.

Energy Management Best Practices

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Halifax • Hong Kong • Houston

Kuala Lumpur • Miami • Minneapolis • Vancouver

HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II – Applications - Registration is \$854 (\$699 ASHRAE Member)

HVAC Design: Level II — Applications provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit www.ashrae.org/hvactraining to register.



2015 - 2016 ASHRAE BALTIMORE SCHOLARSHIPS

Student Application

December 31, 2015
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 2016. 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		
Adam Fauer President	Dave Reese Vice-President	Craig Parks Treasurer	Brad Watkins Secretary	Steph Kunkel Governor	James Cote Governor	Dave Lawson Past President