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THERMOGRAM

January 2016
Volume XLX Issue 07

Main: Panel Discussion: "What have I learned?"

Tech Session: Energy Modeling

A SPECIAL THANKS
TO OUR
NETWORKING
SPONSORS FOR THE
EVENING:



ASHRAE January 7th 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 |

Main Meeting: Panel Discussion: "What have I learned?"

The Main/Dinner Meeting Program will be a panel discussion. The topic of the discussion is "What Have I Learned?" This is an opportunity for some of the leaders in our industry to voice memorable past experiences – both good and not so good – and pass these experiences on to our membership – you - for your benefit. The panel discussion will be moderated by Adam Rickey, PE, of TAI Engineers. The Panel will consist of a contractor – Tim Reynolds, PE, CEM, LEED AP BD+C, Manager, Engineering Services, Poole & Kent Corporation; a consulting engineer – Dunstan Macauley, PE of WSP Group; and a couple of former consulting engineers turned manufacturer’s representatives – Jen Leach of Cummins -Wagner Co., Inc., and Len Rainville of Dan Rainville and Associates, Inc.

Tech Session: Energy Modeling

Speaker: Michael Babcock, CEM, LEED AP BD+C , O+M of Sustainable Building Partners

This presentation will dive into how energy analysis and more specifically whole-building hourly energy modeling is being used in new, meaningful, and ultimately impactful ways. Going beyond LEED Energy & Atmosphere credits to help project teams and building owners make informed decisions during the design process, and build a culture of learning and focused attention on how facilities are likely to perform overtime. This discussion will explore how effective energy modeling can be used as a central dialogue for architects, engineers, builders, and owners to speak the same language and meet project goals.

Additionally, the more things change the more they stay the same; we will discuss how the fundamental engagement around building energy analysis has remained the same, what has changed, and how whole building energy analysis can be used to move us towards a more energy efficient and independent future. We will discuss how modeling is being used as a design analysis tool in today’s marketplace helping to support rapid adoption of new, more efficient, and most importantly enforced energy codes by local jurisdictions’ as well as the growing interest and implementation of net zero energy in our backyard.

Come with an open mind and questions so we can have an engaged discussion around high performance buildings and the tools we can use to get us there!

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



2015-2016 Chapter Leadership Roster

Officers

| | |
|--|--|
| President P:410-303-3125 | Adam Fauer F: president@ashrae-balto.org |
| 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 treasurer@ashrae-balto.org |
| Secretary P:410-880-0850 x123 | Brad Watkins F: 301-490-7156 secretary@ashrae-balto.org |
| Board Member P:410-329-8100 | Steph Kunkel F:301-490-7156 asstsecretary@ashrae-balto.org |
| Board Member P:410-793-0202 | James Cote F:410-721-7472 gov2@ashrae-balto.org |
| Board Member P:443-977-9741 | Sherry Abbott-Adkins F:410-374-5471 senioradvisor@ashrae-balto.org |
| Past-President P:410-645-1552 | Dave Lawson F:410-645-1616 pastpresident@ashrae-balto.org |

Committee Chairs

| | |
|--|---|
| Attendance/Recpt. P:443-224-1594 | Theresa R Schroeder F:410-243-5716 reservations@ashrae-balto.org |
| Chapter Programs P:410-316-7800 | Dave Reese F:410-316-7900 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: membership@ashrae-balto.org |
| Refrigeration P:410-403-2200 | Jon Olmstead F:410-403-2225 refrigeration@ashrae-balto.org |
| Research Promotion P:410-531-1600 | Jeff Shook F:443-561-1601 research@ashrae-balto.org |
| Scholarship P:410-298-2400 | Saqib Ashraf F:860-353-2462 scholarship@ashrae-balto.org |
| Student Activities P:410-329-8100 | Sam Philipp F: 410-472-2200 studentacts@ashrae-balto.org |
| Student Activities P:410-652-5437 | Robert Broczowski F: 410-646-4738 studentacts@ashrae-balto.org |
| Young Engineers P:443-921-8718 | Kaylee Haupt F:410-377-2543 yea@ashrae-balto.org |
| CTA P:410-316-7800 | Dave Reese F:410-316-7900 cta@ashrae-balto.org |
| CTTC P:410-316-7800 | Dave Reese F:410-316-7900 cttc@ashrae-balto.org |
| Thermogram P:443-832-5733 | Kelly Brennan F:410-381-7654 newsletter@ashrae-balto.org |
| Engineers Week P:410-329-8100 | Sam Philipp F: 410-472-2200 engweek@ashrae-balto.org |
| Web Technician P:410-579-8100 | Dave Brackett F:410-540-9041 ashtech@ashrae-balto.org |
| Christmas Party P:410-527-2612 | John Prusak F:410-472-4928 Christmas@ashrae-balto.org |
| Golf Outing P:443-561-1600 | R L Gladden F:443-561-1601 golf@ashrae-balto.org |
| Women in Engineering P:240-542-5568 | Jennifer Leach F:301-490-7156 wie@ashrae-balto.org |
| Grassroots Activities P:443-348-2017 | Matthew Grice F:410-298-3940 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 it is the end of December and half of my year as President of the Baltimore Chapter of ASHRAE is over. It has already been a very busy year and I am certain the next 6 months will be just as busy and exciting. I would like to take this time to say Thank You to all of our great members, committee chairs and Board members who help make this the best chapter in Region III! The chapter could not be as successful as it is without the support of its membership.

As is my custom, I would like to take a minute to recognize one of our great volunteers: John Prusak. John has been in charge of our Christmas party for as long as I can remember and he did an outstanding job again this year. The food, drink and camaraderie was excellent as usual. This year's event, held on December 4th, was the 66th annual Baltimore ASHRAE Christmas party and the proceeds from the event allows our chapter to provide very generous scholarship and research promotion donations each year. Many thanks to John and his committee for putting on another great event!

The next 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:

- 1) ASHRAE 2016 Winter Conference: January 23-27, 2016 in Orlando, FL
- 2) Refrigeration Tour: February 4, 2016

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. Happy Holidays and Happy New Year! Hope to see you in early January at the next meeting.

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.

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|--------------------------|--|----------------------|
| 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: Panel discussion What have I learned? Panel: Engineer, Contractor, Mfr's. Rep. Tech Session: Tentative - Energy Modeling | ESB |
| February 4, 2016 | Main Meeting: Refrigeration Modeling Tech Session: N/A | TBD |
| March 3, 2016 | Main Meeting: Combined Heat and Power Tech Session: Pressure-Enthalpy and VRF DOAS | 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: Refrigerants 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



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 |

