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THERMOGRAM

March 2022
Volume LVI Issue 07

Main Meeting: Understanding and Applying HVAC Sensors

Tech Session: Specifying Condensing Boilers

ASHRAE Baltimore March 3rd Meeting:

Tech Session:	5:00 PM — 5:45 PM
Networking Hour:	5:30 PM — 6:30 PM
Dinner:	6:30 PM — 7:00 PM
Main Presentation:	7:00 PM — 8:15 PM

Tech Session:

Specifying Condensing Boilers

Any good engineering design includes a well written specification that will produce competitive pricing without sacrificing quality. This session will dissect a typical condensing boiler spec, highlighting common mistakes as well as important elements that should never be missed.

Speaker: Jennifer Leach, PE

Main Meeting:

Understanding and Applying HVAC Sensors

This one hour PDH course features a basic overview of HVAC sensors and their application in common systems. Topics covered include; types of sensors, sensor technologies, installation practices, and specifying sensors. At the end of the course participants should have a better understanding of how to select and specify sensors.

Speaker: Dave Thomas, Region Applications Consultant for Belimo Air Controls

**The March Meeting will take place at the Engineer's Club:
11 West Mount Vernon Place, Baltimore, MD 21201**

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



2021-2022 Chapter Leadership Roster

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Attendance/Recpt. P:410.320.5554	Michael Spinosa reservations@ashrae-balto.org AccuQuote
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President's Pen

Can you sense it? Spring (and cooling season) is just around the corner! What better time to join us for our March meeting on HVAC sensors. Enjoy a return to the Engineer's Club and refresh your knowledge on properly designing systems to detect conditions and react. It will also be Membership Promotion night. Please encourage your colleagues to attend a meeting and consider joining ASHRAE, as the rewards are abundant!

Last month we had a fascinating presentation on thermal energy storage. It was great to learn more on a topic we haven't covered in our chapter for many years, and one that can play an important role as building systems manage peak energy demands. Our next 3 meetings back at the Engineer's Club in a very welcome return to normalcy for our chapter.

I had the pleasure of attending the ASHRAE Winter Conference this year, which included a major theme on building decarbonization. I encourage you to stay tuned to the [ASHRAE Task Force for Building Decarbonization](#), which represents a significant investment by ASHRAE and a valuable resource as our industry prepares to meet the challenges of making buildings more sustainable and resilient.

In other news from the Winter Conference - Steve Williams, our chapter's Secretary, received the ASHRAE Award for Distinguished Public Service! Read on for more information and photos of Steve's outstanding public service.

Our Student Activities Committee put on a well-received Engineer's Week event on February 22nd. Over 60 high school students visited the Engineer's Club to learn about engineering careers and our industry before completing a design challenge constructing and testing model wind turbines. Thank you to all our volunteers who helped!

If you haven't already, I highly recommend checking out the [ASHRAE Journal Podcast](#). The latest episode, "Uncovering Unconscious Bias in the HVAC&R Industry," features a great discussion on the right and wrong ways to approach Diversity, Equity & Inclusion efforts and the huge benefits we stand to gain when we apply them in our work and our organizations.

Finally, please remember to share our scholarship flyer with any college students you may know in pursuit of an HVAC-related degree. The application deadline is March 31st.

See you soon for our March Meeting!



ASHRAE Baltimore Chapter President, 2021-2022



Meeting Schedule

Please mark your calendar with the following dates for the 2021 through 2022 Baltimore Chapter meetings. A complete schedule indicating seminar, technical session and main meeting topics is published on the Baltimore chapter website, www.ashrae-balto.org.

August 12, 13, & 14, 2021	Chapters Regional Conference	State College, PA
Thursday, September 2, 2021	12:00PM—Main Meeting: Chilled Water Piping Design 5:30PM—Summer Social at Tiki Lee’s Dock Bar	Virtual—Go To Meeting Sparrows Point, MD
Monday, September 27, 2021	9th Annual Rockfish Tournament	Happy Harbor Marina
Thursday, October 7, 2021	Main Meeting: Impacts of Climate Change and Urbanization on Future Building Performance Tech Session: Bipolar Ionization	ESB
Thursday, November 4, 2021 <i>Research Promotion Night</i>	Main Meeting: Building Electrification 101: Impacts on HVAC Systems	Union Craft Brewing
Friday, December 3, 2021	71st Annual Christmas Party	Timonium Fairgrounds, 4H Building
Thursday, January 6, 2022	Main Meeting: HVAC and Airborne Infectious Diseases	Virtual - Go To Meeting
Thursday, February 3, 2022 <i>Refrigeration Event</i>	12:00 PM—Main Meeting: Thermal Storage 5:30 PM—Refrigeration Tour at Black Flag Brewing	Virtual - Go To Meeting Columbia, MD
Thursday, March 3, 2022 <i>Membership Promotion Night</i>	Main Meeting: Understanding & Applying HVAC Sensors Tech Session: Specifying Condensing Boilers	ESB
Thursday, April 7, 2022 <i>Former Presidents’ Night Research Promotion</i>	Main Meeting: New Standards for IAQ Driving the Industry Tech Session: Refrigerant Management Throughout the Lifecycle	ESB
Thursday, May 5, 2022 <i>Student Night</i>	Main Meeting: Managing the Postpandemic Workforce Tech Session: New CTI Test Code Guidance for Testing Dry Coolers	ESB
TBD	10th Annual RP Fishing Tournament	TBD
Friday, June 24, 2022	64th Annual Golf Outing	Turf Valley Country Club, Ellicott City, MD

Main Meeting Schedule: 5:30 - 6:30 pm: Social Hour, 6:30 - 7:00 pm: Dinner, 7:00 - 8:15 pm: Speaker

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

Cost: \$35 for Dinner Meeting; \$10 for Student Members



Steve Williams Receives the 2022 ASHRAE Award for Distinguished Public Service

The ASHRAE Baltimore Chapter is thrilled to announce that Steve Williams was presented with the ASHRAE Award for Distinguished Public Service at the 2022 Winter Conference. This award is only presented to one ASHRAE member each year and “recognizes members who have performed outstanding public service in their community and, in doing so, have helped to improve the public image of the engineer.”

Steve was recognized for his outstanding volunteer work and service with many charitable organizations, including the Caribbean Christian Centre for the Deaf (CCCD), Mason Dixon Baptist Church, Christian Motorcyclist Association, and Compassion International.

In addition to his extensive service in the community, Steve has been volunteered for our Chapter the past several years as a Board Member, currently serving as Secretary. We are grateful to Steve for his service and glad he could be recognized. Congratulations Steve!



Top Row:

- Sharing pencils and candy with rural children in Ethiopia
- Hanging with students at the CCCD school in Montego Bay, Jamaica
- Installing screens at CCCD Village in Mandeville, Jamaica
- Visiting Compassion sponsored children in Dominican Republic with his daughter

Bottom Row:

- Volunteer smoke detector installation team in Philadelphia
- Visiting Deaf Can coffee shop in Kingston, Jamaica
- Making concrete with youth at the CCCD school in Knockpatrick, Jamaica
- Volunteering at the International Motorcycle Show (Carlisle, PA) for CMA
- Youth group sponsors for Compassion International

ASHRAE JOURNAL Podcast

Tune into conversations between leading ASHRAE experts as they discuss what HVAC engineers need to know to design better systems and grow the HVAC&R industry.

SEASON 2

Episode 2



ASHRAE Journal Podcast

Uncovering Unconscious Bias in the HVAC&R Industry

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Uncovering Unconscious Bias in the HVAC&R Industry

"Equity is the goal we strive for," says Vice President Dunstan Macauley, P.E., HBDP, Member ASHRAE, in the latest episode of *ASHRAE Journal Podcast*. Regional Vice Chair for the Young Engineers in ASHRAE Committee Carrie Anne Monplaisir, Associate Member ASHRAE; and Region X Director and Regional Chair Devin Abellon, P.E., Member ASHRAE, join Macauley and discuss how ASHRAE and the engineering industry can be more inclusive.

Guests, left, Dunstan Macauley, Carrie Anne Monplaisir and Devin Abellon

2021-2022 Scholarship

**Multiple Winners:
\$750-\$1500**



**Applications Accepted
Until - March 31, 2022**

**Click here to learn more
and apply today!**

Questions? Email Us!
scholarship@ashrae-balto.org



Evaluation Criteria:

1. ASHRAE field of training.
2. Applicant is in an accredited course in a recognized college (or program pre-approved by ASHRAE Board).
3. Applicant is matriculating for a degree in an ASHRAE related engineering field.
4. Applicant is residing in, or moving to the Baltimore Chapter assigned area (permanent resident).
5. Applicant is working in the Heating, Ventilating, Air Conditioning, and Refrigeration(HVAC&R) field.
6. Applicant is the son or daughter of a Baltimore chapter member, living or deceased.
7. Applicant has high scholastic standing or average from previous year.
8. Financial need.
9. Veteran with an Honorable Discharge or member of United States Armed Services.
10. Applicant is a member of the BIPOC community.

[Click here to learn more and apply today!](#)





The ASHRAE Baltimore Chapter is pleased to continue our local representative directory, BALMER, which is similar to the old MEMRA directory!

Baltimore Area List of Mechanical Equipment Representatives

In a world that is becoming ever more virtual and remote, the ASHRAE Baltimore Chapter has put together a resource for our members to identify and connect with local representatives. All HVAC & plumbing related businesses are welcome to be listed in the new directory, which will be posted on the Chapter's website for use by local engineers, contractors, and owners.

Additional Information:

1. In order to have your company represented in the BALMER directory, send an email to ashtech@ashrae-balto.org with the subject "BALMER Directory." We will then gather the required information for the directory (Company Name, Company Website, Representative Contact Information, Manufacturer Product Type, etc).
2. The cost per firm to be listed in the BALMER directory will be \$250 / year. Payments can be made via check to "ASHRAE Baltimore Chapter" or via credit card (applicable fees will apply).

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