



NOVEMBER - VOLUME LVI ISSUE 03

THERMOGRAM

MAIN MEETING: RADIANT & HYDRONICS FOR DECARB

VIRTUAL TECH SESSION: NET ZERO CARBON DESIGN

ASHRAE Meeting Details:

November 1, 2023 - WEDNESDAY

Lunch Virtual Meeting: 12:00 - 1:30pm

Networking Hour: 5:00 - 6:30 pm

Main Dinner Meeting: 6:30 - 8:00 pm

Registration for virtual tech session only is free for members, \$10 for non-members.

Dinner meeting is \$35 for members, \$45 for non-members, registration includes virtual tech session.

Tech Session: Net Zero Carbon Design & Performance

Speaker: Ghina Annan, CEM, LEED AP, WELL AP, LFA, ASHRAE Distinguished Lecturer

Addressing climate change has traditionally focused on reducing carbon emissions from operational energy consumption. As buildings become more energy efficient (and electricity generation has decarbonized), embodied carbon can represent a higher proportion of whole life carbon than it used to. Achieving net zero carbon will require us to transform how we design, build and operate buildings of all types and scales. Projects must commit to WLCA, develop consistent and transparent carbon intensity and benchmark data, adopt explicit targets, and establish wider collaboration.

Main Meeting: Leveraging Radiant & Hydronics to Meet Decarbonization Goals

Speaker: Brian Calotta - Engineering Services, Uponor North America

With energy efficiency being one of the four decarbonization pillars in the U.S. Department of Energy's Industrial Decarbonization Roadmap, the goal of achieving a low-carbon economy and attaining carbon neutrality is possible with the use of radiant heating and cooling, hydronic hot-water heating, and chilled-water systems. We will discuss how thoughtful design with durable, sustainable, polymer-piping based applications can provide a compelling solution for comfort, efficiency, air quality, and other IEQ benefits while also helping projects meet construction schedules and budgets.

2023-2024 Chapter Leadership Roster

Board of Governors

	President Terry Schroeder	president@ashrae-balto.org, P: 443.224.1594 WRA		Governor/Asst. Secretary Rob Broczkowski	asstsecretary@ashrae-balto.org, P: 571.318.7310 ETC
	President-Elect Kevin Lindemann	vp@ashrae-balto.org, P: 410.561.1655 Chesapeake Systems		Governor Luis Belisario	gov2@ashrae-balto.org, P: 410.807.8279 Prime AE
	Treasurer Kaylee Haupt	treasurer@ashrae-balto.org, P: 443.789.0188 Baltimore County Public Schools		Senior Advisor Sam Philipp	senioradvisor@ashrae-balt.org, P: 410.316.2485 JMT
	Secretary Simona Georgiev	secretary@ashrae-balto.org, P: 410.316.2263 JMT		Past President Nancy Neely	pastpresident@ashrae-balto.org, P: 410.746.4168 Johnson Controls

Committee Chairs

Attendance/Recpt. Co-Chair: Elyas Khan, JCI reservations@ashrae-balto.org	Government Affairs: Tyler Brown, ATS gga@ashrae-balto.org	Research Promotion Co-Chair: Joe Petty, ATS research@ashrae-balto.org
Attendance/Recpt. Co-Chair: Tim Scheck, C-W reservations@ashrae-balto.org	Golf Outing: Tyler Lee, Chesapeake Systems golf@ashrae-balto.org	Scholarships: Hailey Brennan, Spectrum Energy scholarship@ashrae-balto.org
Christmas Party: Wade Myers, JMT christmas@ashrae-balto.org	Historian: Jennifer Leach, BR+A historian@ashrae-balto.org	Student Activities: Abe Undieh, Chesapeake Systems studentacts@ashrae-balto.org
Chapter Programs: Kevin Lindemann, Chesapeake Systems programs@ashrae-balto.org	Historian Co-Chair: Terry Schroeder, WRA historian@ashrae-balto.org	Thermogram: Terry Schroeder, WRA newsletter@ashrae-balto.org
CTA (Tech Awards): Kevin Lindemann, Chesapeake Systems cta@ashrae-balto.org	Membership: Rich Girard, RMF membership@ashrae-balto.org	Young Engineers: Co-Chair: Matt Francis, ATS yea@ashrae-balto.org
Diversity in ASHRAE Co-Chair: Patrick Harrilal, JMT dia@ashrae-balto.org	Membership Co-Chair: Ben Joel, WSP membership@ashrae-balto.org	Young Engineers Co-Chair: Matt Hart, ATS yea@ashrae-balto.org
DIA Co-Chair: Ashleigh Newman, The Morin Company dia@ashrae-balto.org	Refrigeration: Jon Olmstead, Hobbs & Associates refrigeration@ashrae-balto.org	Web Technicians: Vikas Kiran, Prime AE Maggie Palacz, Schneider Electric ashtech@ashrae-balto.org
Engineers Week: Nick Spicher, Chesapeake Systems engweek@ashrae-balto.org	Research Promotion Co-Chair: Michael Poe, Legacy Engineering Group research@ashrae-balto.org	Women in ASHRAE: Nicole Harshbarger, Schneider Electric wia@ashrae-balto.org

PRESIDENT'S PEN

As 2023 winds down, we're excited to announce an amazing pair of programs for our tech session and main meeting on November 1st! Please note that this month's meeting will be on a Wednesday due to scheduling conflicts at the ESB. We hope this change won't interrupt too many schedules, as we'll be back to our regular first Thursday schedule for the remainder of the ASHRAE year.

A big thank you to everyone who joined us for our Diamondback Brewery networking event on October 19th. We had an amazing time with great beer, pizza, and fantastic headshots!

In other news, our Chapter dues will be increasing by \$10 per year starting on November 1st, which is the first increase in decades. Annual dues will now be \$40, and this increase will help us offset the rising costs of our monthly meetings and other events. You can pay your Chapter dues when renewing your Society membership.

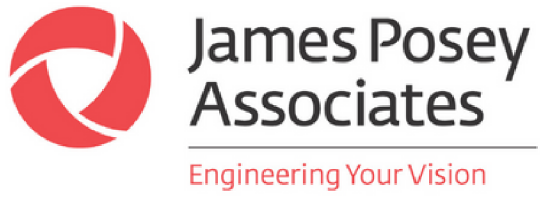
Lastly, we're thrilled to announce that the Christmas Party tickets are now available! This year we're using a new ticketing platform, with eTicketing through Zeffy. Check out the flyer for more information!

Happy fall, and we look forward to seeing you at the ESB on November 1st!


Terry Schroeder
ASHRAE President

23-24 CHAPTER SPONSORS

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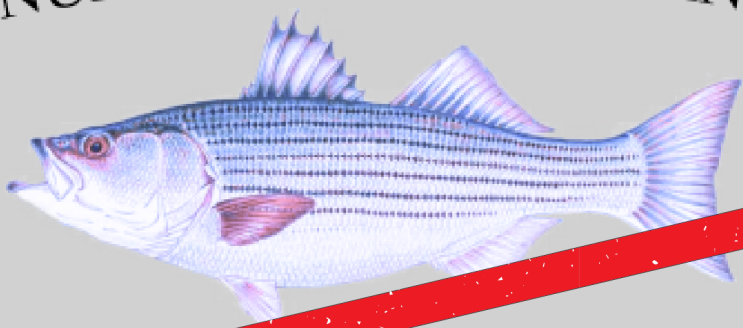
BAUMGARTNER, INC.

MEETING SCHEDULE

September 7, 2023	Tiki Lee's Social
October 5, 2023 @ESB	Tech: Building Envelope and HVAC Main: ASHRAE 62.1 IAQ Procedure Research Promotion Night
November 1, 2023 @ESB	Tech: Net Zero Carbon Design & Performance Main: Radiant & Hydronics for Decarb Membership Promotion Night
December 1, 2023 @Timonium Fairgrounds	73rd Annual Christmas Party!
January 4, 2024 @ESB	Tech: Reducing Airborne Particulates Main: Standard 170 - Healthcare Ventilation
February 1, 2024 @TBD	Refrigeration Night - TBD
March 7, 2024 @ESB	TBD
April 4, 2024 @ESB	TBD
May 2, 2024 @ESB	TBD

UPCOMING EVENTS

11th ANNUAL ROCKFISH TOURNAMENT



We are pleased to announce the 11th annual rockfish tournament. All proceeds go to ASHRAE research and promotion. Registration forms at the following link: <https://ashrae-balto.org/meeting.php>

DETAILS

Boats will be leaving at 5:30am from Happy Harbor Marina. Registration will be until 5:00 PM and all boats must be present at the marina by 1:00 PM in order to qualify for prizes. Lunch will be provided at Happy Harbor Restaurant located at the marina and will be buffet style with beverages provided. Donuts will be provided in the morning. Individual boats will be responsible for any food and beverages they want to bring with them on the water.

SCHEDULE

Date: Monday, November 13th 2023

Breakfast/Registration: 5:00-5:30am

Boats Depart: 5:30am

Boats Return: 12:30pm

Awards Lunch: 12:30-2:30pm

LOCATION

Happy Harbor Marina
533 Deale Road
Deale, MD 20751



UPCOMING EVENTS



ASHRAE BALTIMORE'S
73rd ANNUAL

CHRISTMAS *Party*

1 DECEMBER, 2023 | 5PM TIL 9PM

4H BUILDING, MD STATE FAIRGROUNDS,
TIMONIUM, MD

FREE DRINKS | FREE FOOD | GAMES

\$65/PERSON | \$650 FOR A TABLE OF 10

WWW.ASHRAE-BALTO.ORG/CHRISTMAS

UPCOMING EVENTS



2024 ASHRAE Research Promotion 2nd Annual Golf Skills Competition!

Come shake off the winter rust and put your golf skills to the test to be crowned ASHRAE RP's 2024 Golf Champion. This event is fun for all skill levels, whether you are ready for the PGA Tour or your golf experience consists of an occasional mini golf hole-in-one. You can bring your own clubs or clubs will be provided if needed. Events will include putting, chipping, long drive, and closest to the pin. Long drive and closest to the pin competitions will be held in an indoor Trackman simulator bay. Competing in all four events will only take approximately an hour, but everyone is welcome to come before and/or stay after their tee time to network and/or watch your fellow competitors succeed...or fail. A real-time live leaderboard will show you where you rank, and prizes will be awarded for each event, with a grand prize for the overall winner! All proceeds will benefit ASHRAE RP.

<u>Date / Time</u>	<u>Cost</u>	<u>Sponsorships</u>	<u>Location</u>
01/12/2024 1pm - 7pm	\$40 / Person \$150 / Foursome <small>*100% of registration fee will be counted as a donation to ASHRAE RP</small>	Food: \$300 Drinks: \$250 Prizes: \$200	Advanced Thermal Solutions 601 N. Hammonds Ferry Rd, Ste F-J Linthicum, MD 21090

Specific tee times will be able to be reserved after sign-up, so register now to ensure your preferred start time! Spots will fill up quickly!

VISIT <https://ashrae-balto.org/meetinginfo.php?id=109> TO REGISTER TODAY!
Please reach out with any questions to Mike Poe or Joe Petty at research@ashrae-balto.org

GRANT OPPORTUNITY

Decarbonization Challenge: Apply by November 30th!

This is a year-long competitive grant (\$1,000 - \$10,000) program to implement decarbonization projects within local chapters. The intent is to provide funds to encourage and demonstrate building decarbonization at the Chapter level which will be financially supported by Society. Application closes November 30th!

>> Apply & learn more at ashrae.org/decarbchallenge.
Questions can be sent to youngengineers@ashrae.org.



**CHALLENGE
ACCEPTED:**
Tackling the Climate Crisis



MEMBER ADVANCEMENT

If you are a current ASHRAE Associate Member, becoming a Full Member is easier than you think! The following activities count toward the required 12 points to advance. Update your ASHRAE bio online in your profile and send an email to membership@ashrae.org to advance.

Non-ABET degree = 4 points
PE = 4 points

ABET degree = 6 points
Industry experience = 1 point/year

BALMER DIRECTORY

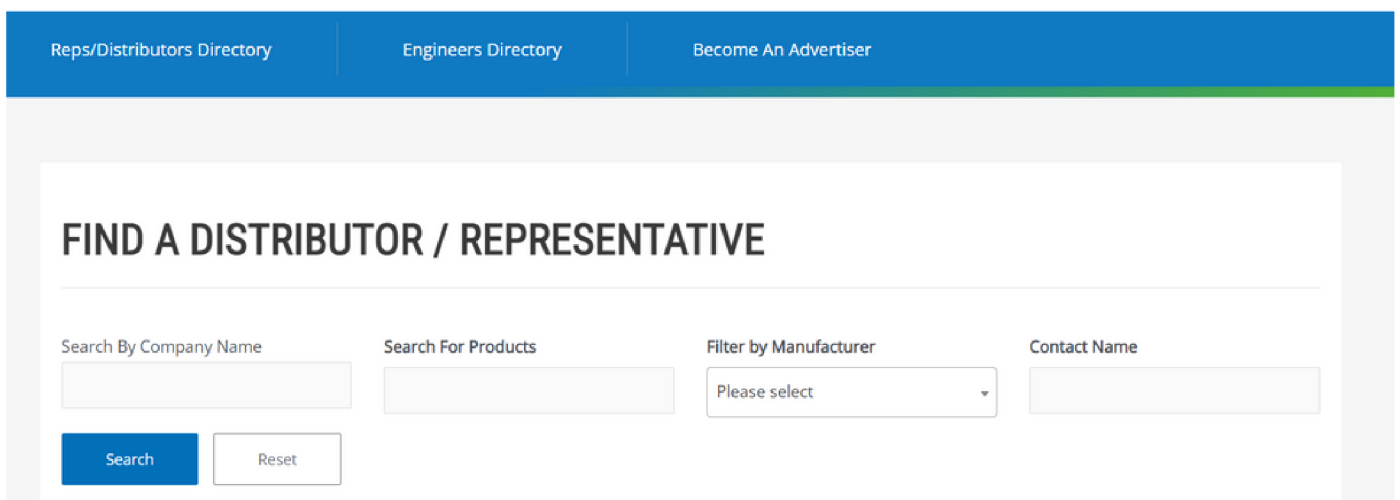
Are you looking for a local manufacturer's rep that sells a specific product? Maybe you are looking for an engineering firm to partner with? If so, check out www.ashrae-balmer.org!

Baltimore ASHRAE is thrilled to provide BALMER - the Baltimore Area List of Mechanical Engineering Resources - a website dedicated to advertising local equipment representatives and engineering firms to make it easier to find products, reps, engineers, and their contact information.

If you are interested in listing your firm, please head to the site and click on the "Become an Advertiser" link in the main navigation bar. Rates are:

\$500/year for Reps/Distributors
\$250/year for Engineering Firms

All content on BALMER is self-managed, and your renewal period starts on the day you register. Please reach out if you have questions! president@ashrae-balto.org.



The screenshot shows the top navigation bar with three links: "Reps/Distributors Directory", "Engineers Directory", and "Become An Advertiser". Below the navigation bar is a search interface titled "FIND A DISTRIBUTOR / REPRESENTATIVE". The search interface includes four input fields: "Search By Company Name", "Search For Products", "Filter by Manufacturer" (with a dropdown menu showing "Please select"), and "Contact Name". There are two buttons: a blue "Search" button and a white "Reset" button.