

Main Meeting: Chilled Water Piping Designs

Lunchtime Virtual meeting w/ Summer Social to Follow!

ASHRAE Baltimore September 2nd Meeting:

Introduction and Chapter News:

12:00 pm – 12:15 pm

Main Presentation:

12:15 pm – 1:15 pm

Main Presentation (Via GoToMeeting)

Chilled Water Piping Designs

This presentation will cover the three most common chilled water piping systems (constant primary, primary/secondary, variable primary) and advantages and disadvantages of each system. We'll discuss common issues with piping systems, the first cost versus installed cost of each system, and design and control considerations for each type of system.

Speaker

Fred Berry

East Region Chiller Product Manager for Johnson Controls



Fred is a graduate of the US Naval Academy and the US Navy Nuclear Power Program, and served aboard fast attack submarines before starting with Johnson Controls in 1986. Fred began his career as the Product Manager for Large Tonnage Chiller and Electronic Products. In these roles, Fred was responsible for the development of the state of the art chiller control panel and the unit mounted variable speed drive for centrifugal chillers as well as product development and applications requirements for York chiller products. He is currently the East Region Chiller Product Manager for Johnson Controls. Fred is an expert on all types of chillers and chilled water systems with his many years of chiller experience.

Summer Social (in person!):

At Tiki Lee's Dock Bar—Sparrows Point, MD

5:30 pm – 8:30 pm

**Join us for an end of summer social and
to kick off our new society year!**

Details: \$35, includes 2 drink tickets and appetizers, as well as registration for our same day lunchtime virtual PDH presentation. Limited capacity available, tickets must be purchased by August 30th.

Date: September 2nd, 2021

Time: 5:30 - 8:30 pm

Location: Tiki Lee's Dock Bar

4309 Shore Rd, Sparrows Point, MD 21219

Dress: Casual, Hawaiian shirts encouraged!

**The September main meeting will be virtual via GoToMeeting.
The Summer Social portion will be in person!**

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

Board of Governors

President P:410.316.2485	Sam Philipp president@ashrae-balto.org	JMT
President-Elect P:410.746.4168	Nancy Neely vp@ashrae-balto.org	Johnson Controls, Inc.
Treasurer P:443.224.1594	Theresa Schroeder treasurer@ashrae-balto.org	Whitman Requardt
Secretary P:410.265.6100	Steve Williams secretary@ashrae-balto.org	James Posey
Governor/Asst. Secretary P:410.561.1655	Kevin Lindemann asstsecretary@ashrae-balto.org	Chesapeake Systems
Governor P:443.789.0188	Kaylee Haupt gov2@ashrae-balto.org	BCPS
Governor/Senior Advisor P:443.463.2970	Gus Karayinopulos senioradvisor@ashrae-balt.org	ATS
Governor/Past-President P:443.561.1652	Jeff Shook pastpresident@ashrae-balto.org	Chesapeake Systems

Committee Chairs

Attendance/Recpt. P:410.864.1046	Luis Belisario reservations@ashrae-balto.org	Whitman Requardt
Attendance/Recpt. P:410.320.5554	Michael Spinosa reservations@ashrae-balto.org	AccuQuote
Christmas Party P:410.527.2612	John Prusak Christmas@ashrae-balto.org	Johnson Controls, Inc.
Chapter Programs P:410.746.4168	Nancy Neely programs@ashrae-balto.org	Johnson Controls, Inc.
CTA (Tech Awards) P:410.746.4168	Nancy Neely cta@ashrae-balto.org	Johnson Controls, Inc.
CTTC (Programs) P:410.746.4168	Nancy Neely cttc@ashrae-balto.org	Johnson Controls, Inc.
Engineers Week P:410.312.4761	Robert Broczkowski engweek@ashrae-balto.org	ETC
Government Affairs P:	<i>Volunteer Opportunity!</i> gga@ashrae-balto.org	
Golf Outing P:443.561.1650	Tyler Lee golf@ashrae-balto.org	Chesapeake Systems
Historian P:	<i>Volunteer Opportunity!</i> historian@ashrae-balto.org	
Membership P:443.789.0188	Kaylee Haupt membership@ashrae-balto.org	BCPS
Refrigeration P:410-403-2200	Jon Olmstead refrigeration@ashrae-balto.org	Trane
Research Promotion P:410.579.8100	Michael Poe research@ashrae-balto.org	Leach Wallace
Research Promotion P:443.832.1729	Dave Cunningham research@ashrae-balto.org	Havtech
Scholarship P:410.312.4761	Robert Broczkowski scholarship@ashrae-balto.org	ETC
Student Activities P:443.561.1652	Nick Spicher studentacts@ashrae-balto.org	Chesapeake Systems
Student Activities P:410316.2263	Simona Tsvetkova studentacts@ashrae-balto.org	JMT
Thermogram P:410.381.7655	Kelly Brennan newsletter@ashrae-balto.org	Schneider Electric
Young Engineers P:410.403.2176	Jake Harple yea@ashrae-balto.org	Trane
Web Technician P:443.686.2036	Thomas Ogden ashtech@ashrae-balto.org	KCI Technologies
Women in ASHRAE P:443.668.1242	Panda Aumpansub wie@ashrae-balto.org	Pandagy

President's Pen

Hello and welcome back to another inspiring year of ASHRAE! I hope everyone has been having a great summer 2021 and is feeling refreshed and ready to return to enriching our minds with all that our Society has to offer. To those who aren't quite ready to put away the sunglasses, I'm pleased to say we will be easing our transition into the season with a Rockfish Tournament on September 27th and a very summery September meeting next week on the 2nd – more on that to follow.

Our Board and committee members have already been hard at work planning for a full year of programming for our chapter. Several board members and committee chairs recently attended the Chapters Regional Conference in State College, PA. We enjoyed a refreshing experience meeting with our counterparts from the 11 chapters of Region III, regional leadership, Society Vice president Don Brandt, and Society President Mick Schwedler! It's very rewarding to see the great work being done to lead our volunteer-based Society. Those of us in attendance had the pleasure of hearing President Schwedler's address introducing his Society theme for the year – Feeding our Roots. Each of us is a member of ASHRAE because someone introduced us and encouraged our participation. By appreciating the benefits of our Society, encouraging the participation of those around us, and volunteering what we can, we strengthen ASHRAE and its value to all. I'd like our members to keep this in mind for the year and take care to water the roots around us.

Speaking of strengthening ASHRAE, I must commend Jeff Shook on an incredible job leading our chapter as President last year. I know he made so many of our roles much easier through his frequent and effective communication. Our chapter's performance clearly stood out in the Region - Thank you Jeff!

Now to our September meeting – we've decided to fully embrace the last of the season by holding our networking hour as a summer social at the seaside sandscape that is Tiki Lee's Dock Bar in Sparrows Point. Our main meeting presentation will be held over the lunch hour via GoToMeeting, with an astutely appropriate topic in chilled water piping design. I regret that I will be unable to join you as I am currently embracing my summer with some time traveling on the West Coast. I will look forward to seeing you all at the Engineer's Club this fall and hearing your sea stories (and chilled water piping design tips). Until then, fair seas and following winds!



Sam Philipp
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 will be published in the coming month's Thermogram and is also available on the 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 05:30PM—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 <i>Research Promotion Night</i>	Main Meeting: TBD Tech Session: TBD	ESB
Thursday, November 4, 2021 <i>Membership Promotion Night</i>	Main Meeting: TBD Tech Session: TBD	ESB
Friday, December 3, 2021	71st Annual Christmas Party	Timonium Fairgrounds, 4H Building
Thursday, January 6, 2022	Main Meeting: TBD Tech Session: TBD	ESB
Thursday, February 3, 2022	Refrigeration Tour	TBD
Thursday, March 3, 2022	Main Meeting: TBD Tech Session: TBD	ESB
Thursday, April 7, 2022 <i>Former Presidents' Night Research Promotion</i>	Main Meeting: TBD Tech Session: TBD	ESB
Thursday, May 5, 2022 <i>Student Night</i>	Main Meeting: TBD Tech Session: TBD	ESB
TBD	10th Annual RP Fishing Tournament	TBD
Friday, June 3, 2022	64th Annual Golf Outing	Turf Valley Country Club, Ellicott City, MD

Baltimore ASHRAE Chapter Meeting Sponsorship Levels 2021-2022

Help support ASHRAE Baltimore Chapter's mission to deliver high quality programming to its members! Sponsorships are available at three levels this year.

Raven Sponsor - \$1,500

- Recognition on Chapter Website (Name and Logo)
- Recognition on Sponsorship Banner at all Chapter Meetings (Name and Logo)
- Recognition on Networking Hour Table Signage at Chapter Meetings (Name and Logo)
- (2) Complementary Reservations at each monthly meeting

Oriole Sponsor - \$1000

- Recognition on Chapter Website (Name and Logo)
- Recognition on Sponsorship Banner at all Chapter Meetings (Name and Logo)
- (1) Complementary Reservation at each monthly meeting

Blast Sponsor - \$500

- Recognition on Chapter Website (Name and Logo)
- Recognition on Sponsorship Banner at all Chapter Meetings (Name and Logo)

Notes:

- Sponsorship period is July 1st, 2021 through June 30th, 2022
- Chapter Meetings are comprised of Virtual Meetings, Dinner Meetings located at ESB, and the off-site Refrigeration Tour in February. Meetings are tentatively scheduled on Thursday September 2nd, Thursday October 7th, Thursday November 4th, Thursday January 6th, Thursday February 3rd, Thursday March 3rd, Thursday April 7th, and Thursday May 5th.
- To use the complementary reservations, advance registration is still required for each meeting.
- If you are interested in sponsoring our chapter meetings this year, then please contact the Vice President and Programs Chair, Nancy Neely, at vp@ashrae-balto.org.



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).



9th ANNUAL ROCKFISH TOURNAMENT



We are pleased to announce the 9th annual rockfish tournament! All proceeds go to ASHRAE research and promotion. Registration form on the following page.

INFO

Boats will be leaving and returning from Happy Harbor Marina. The weigh-in will begin at 1:30 PM and all boats must be present at the marina by 1:30 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. Coffee will be provided in the morning.

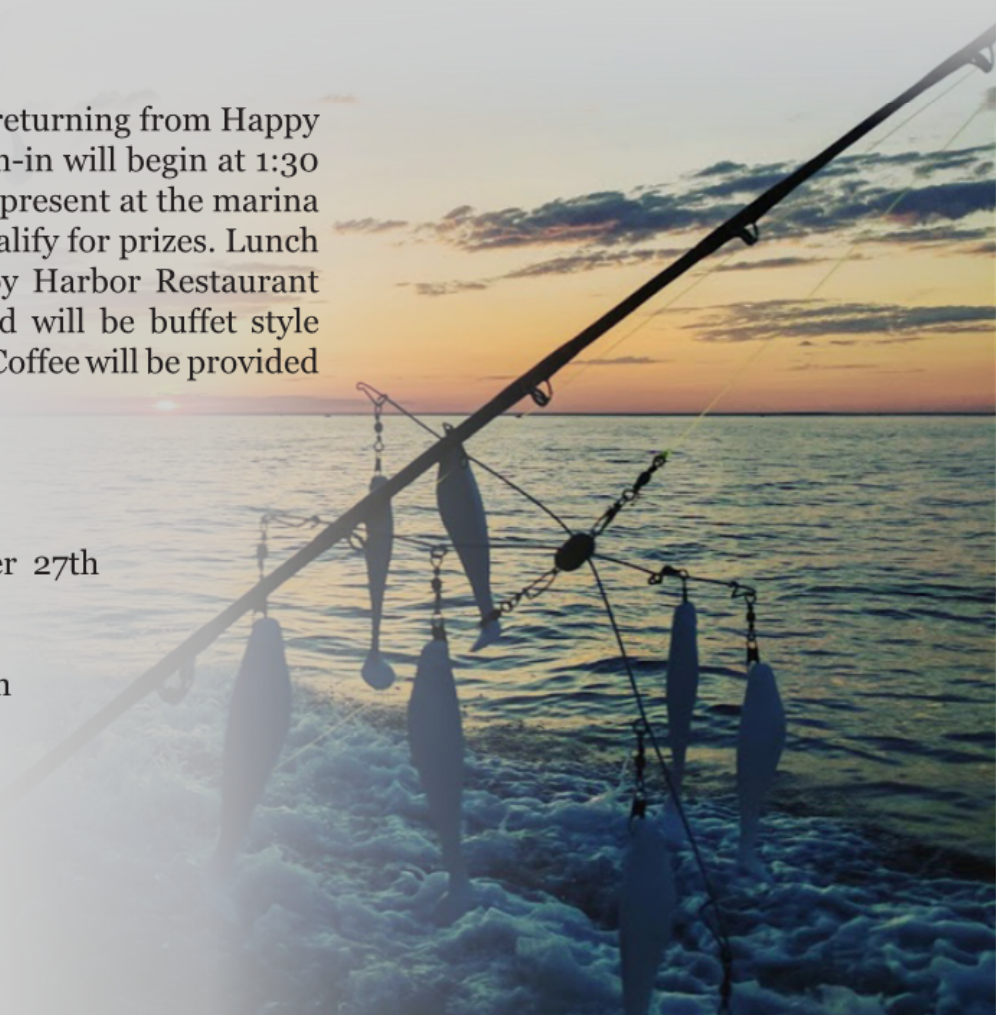
SCHEDULE

Date: Monday, September 27th
2021

Registration: 5:00-5:30am
Boats Depart: 5:30am
Boats Return: 1:00pm

LOCATION

Happy Harbor Marina
533 Deale Road
Deale, MD 20751





Registration Form

Participation	Qty
6 Person Boat Sponsor:	_____ (\$1,200 / boat)
12 Person Boat Sponsor:	_____ (\$2,200 / boat)
Regular Individual:	_____ (\$175 / person)
YEA Individual:	_____ (\$110 / person)

Sponsorship

Breakfast Sponsor:	_____ (\$100)
Lunch Sponsor:	_____ (\$500)
Bar Sponsor:	_____ (\$400)
Awards Sponsor:	_____ (\$250)

Please return form and checks payable to
“ASHRAE Baltimore Chapter” no later than
September 3rd, 2021 to:

Advanced Thermal Solutions
Attn: Kurt Wallace
601 N. Hammonds Ferry Rd, Ste F-G
Linthicum, MD 21090

ADDITIONAL DONATIONS TO RP CAN BE MADE
WITH ENTRY FEE.

LIMIT OF 1 BOAT PER COMPANY.

SPONSORSHIPS INCLUDE A SIGN AT LUNCH OR
THE BAR.

ENTRIES WILL BE RESERVED ONCE THE
PAYMENT IS RECEIVED. PLEASE NOTE THAT
TIPS FOR THE FIRST MATE ARE INCLUDED IN
THE ABOVE PRICE.

CALL OR EMAIL FISHING@ASHRAE-BALTO.ORG
WITH ANY QUESTIONS OR TO FIND OUT
SPONSORSHIP AVAILABILITY.

TO: BALTIMORE CHAPTER, ASHRAE
EMAIL: reservations@ashrae-balto.org



YES! I will attend the Baltimore Chapter Meeting on Thursday, September 2nd.

Reservations: We are encouraging members to make reservations on our website, www.ashrae-balto.org.

Reservations for the full meeting include the 12:00PM main presentation via GoToMeeting and the 5:30 PM Summer Social in person at Tiki Lee's.

Reservations for the virtual/main presentation only are available for \$10.

If you are planning to attend, please RSVP to the website or write to reservations@ashrae-balto.org indicating name(s) and membership status (member or guest) Please be sure to also include "ASHRAE Meeting" in the subject matter line.

Deadline for reservations and cancellations: Monday, August 30th - NOON reservations required to guarantee in-person accommodations.