

## Main Meeting: Thermal Storage

*Lunchtime Virtual Meeting*  
*Evening Refrigeration Tour In-Person*

### ASHRAE Baltimore February 10th Meeting:

Chapter News & Announcements:	12:00 PM — 12:15 PM
Main Presentation:	12:15 PM — 1:15 PM
Refrigeration Tour:	5:30 PM — 7:30 PM

#### Main Presentation (Via GoTo Meeting):

#### Thermal Storage

Distributed energy resources like thermal energy storage act like batteries to intelligently dispatch stored energy to satisfy building cooling needs while lowering the impact of cooling on the grid and environment. Thermal Storage can be used to enhance strategies for electrification of the grid and with intermittent renewable energy sources.

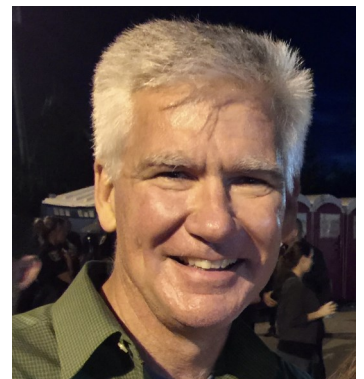
#### Speaker:

#### Mark Johnson, Trane

Mark Johnson is the Thermal Battery Sales Leader for Trane Technologies in North and South America. In his 25 year career, he's sold over 1,300,000 ton-hours/1,300,000 kwh of thermal batteries in over 500 installations.

Mark has been active in Thermal Energy Storage Air Conditioning since 1989, where he served as the Thermal Energy Storage Program Manager for Florida Power & Light from 1989 to 1991. He then obtained an MBA at the University of Wisconsin-Madison and worked there for the Thermal Storage Applications Research Center while attending school. He received a Bachelor of Science in Mechanical Engineering from the University of Illinois at Urbana-Champaign in 1985. He has been with CALMAC and now Trane Technologies since 1993.

Mark currently lives in the Western North Carolina mountains with his wife of 33 years, Carolyn. They have two grown children, a Florida Gator and a Florida Seminole, one living in Cleveland, Tennessee and another in Raleigh, North Carolina.



#### Refrigeration Tour (In Person):

**Black Flag Brewing Company**  
9315 Snowden River Pkwy  
Columbia, MD 21046

Join us at Black Flag Brewing for our Refrigeration Tour!

Pizza & salad from HomeSlyce will be served in addition to a wide selection of refrigerated products fresh from the Brewery.

**The February Main Meeting will take place virtually via GoToMeeting. A link will be sent to registrants before the meeting.**

*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

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<b>Governor/Past-President</b> P:443.561.1652	Jeff Shook <a href="mailto:pastpresident@ashrae-balto.org">pastpresident@ashrae-balto.org</a> Chesapeake Systems

### Committee Chairs

<b>Attendance/Recpt.</b> P:410.864.1046	Luis Belisario <a href="mailto:reservations@ashrae-balto.org">reservations@ashrae-balto.org</a> Whitman Requardt
<b>Attendance/Recpt.</b> P:410.320.5554	Michael Spinosa <a href="mailto:reservations@ashrae-balto.org">reservations@ashrae-balto.org</a> AccuQuote
<b>Christmas Party</b> P:410.316.2368	Wade Myers <a href="mailto:Christmas@ashrae-balto.org">Christmas@ashrae-balto.org</a> JMT
<b>Chapter Programs</b> P:410.746.4168	Nancy Neely <a href="mailto:programs@ashrae-balto.org">programs@ashrae-balto.org</a> Johnson Controls, Inc.
<b>CTA (Tech Awards)</b> P:410.746.4168	Nancy Neely <a href="mailto:cta@ashrae-balto.org">cta@ashrae-balto.org</a> Johnson Controls, Inc.
<b>CTTC (Programs)</b> P:410.746.4168	Nancy Neely <a href="mailto:cttc@ashrae-balto.org">cttc@ashrae-balto.org</a> Johnson Controls, Inc.
<b>Diversity in ASHRAE</b> P:410.910.7503	Ashleigh Newman <a href="mailto:dia@ashrae-balto.org">dia@ashrae-balto.org</a> The Morin Company
<b>Diversity in ASHRAE</b> P:410.316.2463	Pat Harrilal <a href="mailto:dia@ashrae-balto.org">dia@ashrae-balto.org</a> JMT
<b>Engineers Week</b> P:410.312.4761	Robert Broczkowski <a href="mailto:engweek@ashrae-balto.org">engweek@ashrae-balto.org</a> ETC
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<b>Research Promotion</b> P:410.579.8100	Michael Poe <a href="mailto:research@ashrae-balto.org">research@ashrae-balto.org</a> WSP / Leach Wallace
<b>Research Promotion</b> P:443.832.1729	Dave Cunningham <a href="mailto:research@ashrae-balto.org">research@ashrae-balto.org</a> Havtech
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<b>Student Activities</b> P:410316.2263	Simona Tsvetkova <a href="mailto:studentacts@ashrae-balto.org">studentacts@ashrae-balto.org</a> JMT
<b>Thermogram</b> P:410.381.7655	Kelly Brennan <a href="mailto:newsletter@ashrae-balto.org">newsletter@ashrae-balto.org</a> Schneider Electric
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<b>Women in ASHRAE</b> P:443.668.1242	Panda Aumpansub <a href="mailto:wie@ashrae-balto.org">wie@ashrae-balto.org</a> Pandagy

### President's Pen

Refrigeration Month is upon us, and we will give it a nod with our hybrid meeting discussing energy storage over the lunch hour GoToMeeting, and an in-person evening meeting for discussing and sampling some of the finer uses of refrigeration at Black Flag Brewing. Thank you to Jon Olmstead, our refrigeration chair, for organizing this great event.

Last month we had a well-attended meeting featuring Dr. William Banfleth, chair of the ASHRAE epidemic task force, and his presentation on HVAC and Airborne Infectious Diseases. We appreciated everyone's flexibility in switching to a virtual format, and hope you enjoyed the wealth of knowledge presented to solidify our future approach to health considerations in our designs.

You may notice our website has received a welcome refresh and is now mobile-friendly as well! Go ahead and check it out: [ashrae-balto.org](http://ashrae-balto.org). While you're there, you can sign up for the February meeting if you haven't already! A special thanks to Scott Greenwell for the expertise implementing these changes. If you would like to support our continued web presence, please consider volunteering for our electronic communications/webmaster committee! Please email [president@ashrae-balto.org](mailto:president@ashrae-balto.org) to inquire.

I'd like to share a recent success story in volunteerism for the chapter. After 25 years of making our Christmas Party a success, John Prusak will be transitioning responsibilities to our next Christmas Party chair, Wade Myers. We are incredibly grateful to John for all of his work putting together an event unparalleled by almost any other ASHRAE Chapter. We look forward to continued success with Wade at the helm, so thank you to both!

ASHRAE will again be hosting a program for Engineer's Week this year. The event for local high school students will be held at the Engineer's Club on February 22nd. If you or your colleagues would like to support this event, please reach out to our Student Activities committee (Simona Tsvetkova, Rob Broczkowski, & Nick Spicher) to volunteer! The event typically runs from 9AM to 1PM.

On the topic of students, 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 later this week for our Refrigeration Event!



**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](http://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

February Meeting Schedule:      12:00 - 12:15 pm: Chapter Announcements  
    12:15 - 1:15 pm: Main Speaker  
    5:30 - 7:30 pm: Refrigeration Tour Event

Cost:                                        \$35 for Virtual Meeting & Refrigeration Tour  
    \$10 for Virtual Meeting Only





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](mailto: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).

# 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](mailto: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!](#)**



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