



THERMOGRAM

April 2022
Volume LVI Issue 08

Main Meeting: Importance of MERV-A Rated Filters Post COVID-19

Tech Session: Dynamic Air Cleaners

www.ashrae-balto.org

ASHRAE Baltimore April 7th 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

Main Presentation: Importance of MERV-A Rated Filters Post COVID-19

Many recognized authorities, including many air filter manufacturers, are providing guidance for improving filtration to minimize the spread of the COVID-19 Virus. While those strategies are good, many leave out an important fact; most if not all MERV 13 pleated filters do not maintain their rated efficiency. These filters can drop from MERV 13 to MERV 8 quickly, and some are only MERV 8 on day one. This misinformation can have a negative result in your facilities filtration strategies. We will learn how filters perform when tested to ASHRAE 52.2-2017, including appendix J and what the resulting MERV and MERV-A ratings mean to you. Keep in mind that ASHRAE test reports can be confusing and misleading and current guidelines may not reflect “real life” efficiencies on particulates and on droplet nuclei which carry the COVID-19 virus.

Speaker: Danja McMillan, Bost & Filtrex

Danja has been serving the HVAC and air filtration industry for 34 years. She has been the featured speaker for ASHRAE/ASHE chapters across the country, speaking on ASHRAE Standard 52.2-2017, ASHRAE Standard 170-2021, ASHRAE Standard 62.1-2016, ISO16890, LEED and Air Cleaning and Air Filtration solutions to minimize the spread of the SARS-CoV-2 virus.

Tech Session: Dynamic Air Cleaners: Improving IAQ While Reducing Operating Costs

Speaker: Joe Pessa, Regional Manager Dynamic Air Quality Solutions

**The April 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

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.
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Governor/Past-President P:443.561.1652	Jeff Shook pastpresident@ashrae-balto.org	Chesapeake Systems

Committee Chairs

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Attendance/Recpt. P:410.320.5554	Michael Spinosa reservations@ashrae-balto.org	AccuQuote
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Chapter Programs P:410.746.4168	Nancy Neely programs@ashrae-balto.org	Johnson Controls, Inc.
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CTTC (Programs) P:410.746.4168	Nancy Neely cttc@ashrae-balto.org	Johnson Controls, Inc.
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Diversity in ASHRAE P:410.316.2463	Pat Harrilal dia@ashrae-balto.org	JMT
Engineers Week P:410.312.4761	Robert Broczkowski engweek@ashrae-balto.org	ETC
Government Affairs P:443.463.2970	Gus Karayinopulos gga@ashrae-balto.org	ATS
Government Affairs P:443.463.2970	Tyler Brown gga@ashrae-balto.org	ATS
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Research Promotion P:443.832.1729	Dave Cunningham research@ashrae-balto.org	Havtech
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President's Pen

Welcome to April! At last, Spring is in the air and our Former President's Night is nearly upon us. You can almost smell the crabcakes! I hope you'll be able to join us as we celebrate the leaders who've helped build 82 years of success for our chapter.

We held our March meeting back at the Engineer's Club. We were able to finally present in-person some long-overdue awards from CRC as well as last year's Chapter Technology Awards. Remember to [submit your own projects](#) for consideration this year – the deadline is May 1st.

A few weeks ago we hosted Society President Mick Schwedler as he was visiting the region. He met with several of our board members and committee chairs, toured the ESB, and received a nice taste of Mount Vernon. He expressed his gratitude for the volunteer efforts that sustain our chapter and encouraged us all to remember what brought us to ASHRAE and how we can help bring others along—to "Feed the Roots" as his Presidential theme states.

Our Government Affairs committee has been particularly busy of late. In early February, our GAC chair Tyler Brown and member Andrew Waite testified to the Maryland Senate and House of Delegates in support of SB-302 & HB-248 leveraging ASHRAE Standard 188 in directing publicly owned buildings to have a water management plan validated with testing for Legionella. Just a few weeks later, Tyler Brown, Steph Kunkel, and I testified to the House Environmental and Transportation committee as they considered HB-831, a significant piece of building decarbonization legislation. We provided information on ASHRAE's expertise and efforts in building decarbonization and offered our support addressing the technical questions involved. You can read more in the ASHRAE [Government Affairs Updates](#) from February 17th and March 3rd.

I am once again recommending you check out the [ASHRAE Journal Podcast](#). The latest episode, "Lessons Learned: What I Wish I'd Known When I Became an Engineer" features our chapter's own former president Jen Leach! You can expect a great discussion on mentorship and the amazing things that happen when we support the interest of new engineers.

The dates are now set for our 10th annual rockfish tournament and our 64th annual golf outing, and we've received word of a Baltimore Engineer's Golf League. There's a lot to cover this issue, so read on and I'll hope to see you around.



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 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	Main Meeting: Building Electrification 101: Impacts on HVAC Systems	Union Craft Brewing
<i>Research Promotion Night</i> 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</i> <i>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
Monday, May 23, 2022	10th Annual RP Fishing Tournament	Happy Harbor Marina
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



In Memoriam

Sadly, our chapter lost several great members this past year. As we celebrate Former President's Night this month, we'd also like to remember these outstanding engineers and their contributions to our industry and community:

Gary E. Johnson Jr., PE
Member ASHRAE, TC 9.9
Principal at TiePoint-BKM

Gary was well known for his accomplishments and will be dearly missed. Most recently he won a Chapter Technology Award in 2019 and was active on ASHRAE TC 9.9 and producer for Guideline 1.6P.

<https://www.linkedin.com/posts/bkm-engineering-life-spaces-with-deep-sadness-we-announce-the-passing-activity-6868571001714741248-hZII>



Charles E. McCaffray
ASHRAE Life Member

Charles was a 2nd generation(!) Life Member and first joined ASHRAE in 1967.

<https://www.mwfuneralhome.com/obituaries/Charles-McCaffray/#!/Obituary>



Richard Mueller, PE
ASHRAE Baltimore Chapter President 1979-80
Founder & Former President of Mueller Associates

Richard was also a Director of ACEC Maryland and a member of the Maryland Society of Professional Engineers.

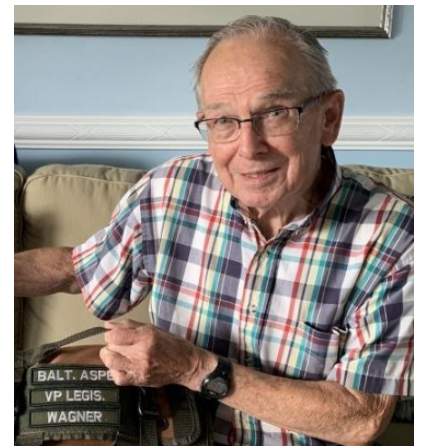
<https://www.aspe.org/pipeline/mueller-associates-announces-the-passing-of-richard-mueller/>



John Richard "Dick" Wagner, PE
ASHRAE Baltimore Chapter President 1980-81

Dick was a founding member of the Baltimore Chapter of ASPE in 1974 and actively involved ever since.

<https://www.linkedin.com/posts/aspebaltimore-it-is-with-a-heavy-heart-that-we-announce-activity-6876882103628292096-dGQ8/>



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



ASHRAE Journal Podcast

10. Lessons Learned: What I Wish I'd Known When I Became an Engineer



00:00 | 34:09

Lessons Learned: What I Wish I'd Known When I Became an Engineer



"I think just being visible and accessible is the key to mentorship. When you open yourself up to the opportunity—whether you're giving it or receiving it—then friendships are formed and bonds are made," said Jennifer Leach, P.E., Member ASHRAE. Jennifer and Katherine Hammack, Fellow ASHRAE, talk mentorship, lessons learned from past experiences and how engineers should nurture their curiosity on this episode of *ASHRAE Journal Podcast*.



Baltimore Chapter Member Advancements:

ASHRAE Associate members may request advancement to Full Member after 12 Society-approved years of experience, which can be a combination of education beyond high school, work experience, and professional registration/licensure. To advance from Associate to Full Member, you must update your ASHRAE bio online, and notify membership@ashrae.org that you have an updated bio and wish to be considered for grade advancement.

Baltimore Chapter Newly Certified Professionals:

James Allen Gillin, HFDP

Richard W. Girard, HFDP

For the past 100+ years ASHRAE has worked hard to earn and maintain a worldwide reputation for being the leader in HVAC&R design. ASHRAE certification programs serve to reinforce that reputation. Visit [ASHRAE's Certification](#) page for more information.





10th ANNUAL ROCKFISH TOURNAMENT



We are pleased to announce the 10th annual rockfish tournament! All proceeds go to ASHRAE research and promotion. Registration form on the following page.

DETAILS

Boats will be leaving and returning from Happy Harbor Marina. The weigh-in will begin at 1:00 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. Coffee and donuts will be provided in the morning.

SCHEDULE

Date: Monday, May 23rd 2022

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

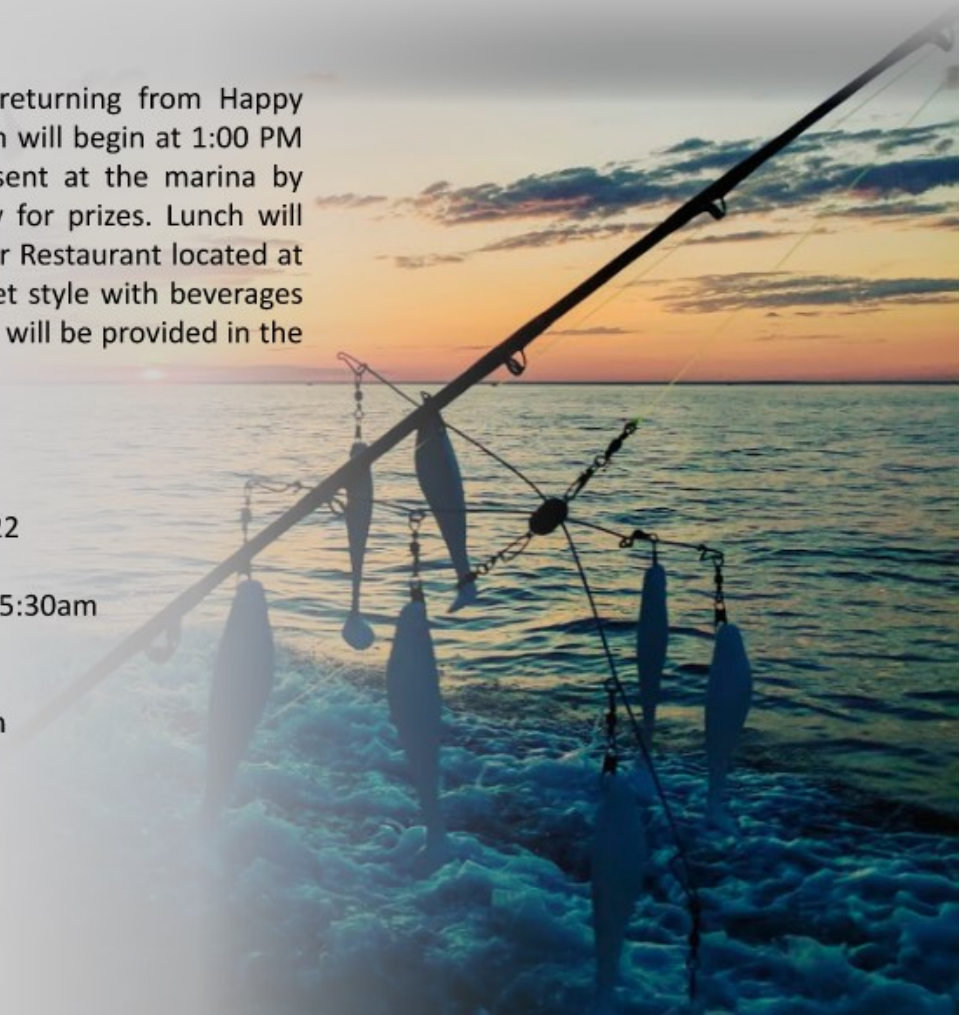
Boats Depart: 5:30am

Boats Return: 12:30pm

Awards Lunch: 12:30-2:30pm

LOCATION

Happy Harbor Marina
533 Deale Road
Deale, MD 20751





Registration Form

Company/Individual:

Participation	Qty
6 Person Boat Sponsor:	<input type="text"/> (\$1,200 / boat)
9 Person Boat Sponsor:	<input type="text"/> (\$1,800 / boat)
12 Person Boat Sponsor:	<input type="text"/> (\$2,200 / boat)
Regular Individual:	<input type="text"/> (\$200 / person)
YEA Individual:	<input type="text"/> (\$125 / person)

Sponsorship

Breakfast Sponsor:	<input type="text"/> (\$100)
Lunch Sponsor:	<input type="text"/> (\$500)
Bar Sponsor:	<input type="text"/> (\$400)
Awards Sponsor:	<input type="text"/> (\$200)

Please return form to RP@ASHRAE-BALTO.ORG or email with any questions.

When form is returned, payment can be made online or checks can be made payable to "ASHRAE Baltimore Chapter" and mailed no later than May 6th, 2022 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.

Sponsorships include a sign at lunch or the bar.

Entries will be reserved once final payment is received. Please note that tips for the first mate are included in the pricing.



Don't forget!

We moved the date to the last Friday of June this year!



64TH ANNUAL

GOLF OUTING & BANQUET

TURF VALLEY COUNTRY CLUB
2700 TURF VALLEY ROAD | ELLICOTT CITY, MD 21042

FRIDAY, JUNE 24, 2022

JUNE 24, 2022

9 AM SHOTGUN START
2 PM CASH BAR & LUNCH AVAILABLE
2 PM - 3 PM RECEPTION
3 PM - 5 PM DINNER
3:30 PM AWARDS & PRIZES

COSTS

\$650 = FOURSOME
\$150 = HOLE SPONSOR
\$800 = FOURSOME
(INCLUDING HOLE SPONSOR)

TURF VALLEY COUNTRY CLUB

2700 TURF VALLEY ROAD
ELLICOTT CITY, MD 21042

CONTACT

TYLER LEE | GOLF OUTING CHAIRMAN
P: 443.561.1600
E: GOLF@ASHRAE-BALTO.ORG

[ASHRAE-BALTO.ORG/GOLF](https://www.ashrae-balto.org/golf)

***Looking for more than one golf outing?
See below, shared with us courtesy of Robert Crosby:***



Join other engineers (and even an architect or two) for 9 holes every Tuesday evening, May 3 through August 16.
All abilities and experience welcome.

Dues are \$100, which covers a weekly prize for the winning low net score, post-round beverages, handicap software, advance tee time fees and an award for the overall league winner.

There is also an optional 18-hole event at the end of the league season and an optional three day golf weekend in Ocean City October 7,8,9.

Email engineersgolfleague@gmail.com for more information or find us on Stack Team App – it's free, and request to join the 2022 Players group to view the schedule and receive league news.



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