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THERMOGRAM

December 2021
Volume LVI Issue 04

71st Annual ASHRAE Baltimore Chapter Christmas Party

ASHRAE Baltimore Christmas Party :

Date: December 3, 2021

Event Time: 5:00 P.M. until 9:00 P.M.

Place: 4H Building, Timonium Fairground, Maryland

**ASHRAE
CHRISTMAS
PARTY!**

THE 71st ANNUAL ASHRAE CHRISTMAS PARTY



Tickets are first come, first serve.

Tickets are available: \$55.00 per person / Table of 10 \$550
We're using electronic tickets this year – show them on your phone or print them out!

For more information, visit:

<http://ashrae-balto.org/christmas>

The Christmas Party will take place at the Maryland State Fairgrounds in the 4H Building, 2200 York Rd Timonium, MD 21093

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-balto.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.
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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.
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Diversity in ASHRAE P:410.316.2463	Pat Harrilal dia@ashrae-balto.org JMT
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Government Affairs P:443.463.2970	Gus Karayinopulos gga@ashrae-balto.org ATS
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Golf Outing P:443.561.1650	Tyler Lee golf@ashrae-balto.org Chesapeake Systems
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President's Pen

It's nearly here, Baltimore Chapter! Our annual Christmas Party is about to make its 71st run, and we can't wait to see you there. Tickets are still available: visit <https://ashrae-balto.org/christmas> to claim some of your own. You'll find that we've leapt into the future with electronic ticketing this year! Keep an eye on your email for the ticket distribution over the coming week. Further details are posted to our Christmas page linked above. If you are unable to join us this year, please consider supporting the main fundraising cause for our event - [ASHRAE Research Promotion](#).

As is tradition, December is when we remind our members that each year the Baltimore Chapter awards thousands of dollars in scholarships to local college students pursuing ASHRAE-related careers! Stay tuned for a dedicated announcement when our College Scholarship application opens. The application deadline will be in March this year. We will also be offering scholarships to graduating high school seniors, with that application coinciding with our ASHRAE Student Challenge, held for local high schools in early Spring. Please plan to contact our Scholarship and Student Activities chairs, Rob Broczkowski and Simona Tsvetkova, for more information!

Do you ever need to know who to contact for a certain type of equipment? Perhaps you have a manufacturer in mind, but who, you might ask, supports it? You can find answers to those questions and more using our [Baltimore Area List of Mechanical Equipment Representatives](#), better known as BALMER. Check out the webpage today to learn who represents what within the Baltimore area. We hope this simple tool continues to serve our members well.

On the national stage, the 2022 ASHRAE Winter Conference and AHR Expo are set to run January 29th/31st - February 2nd. The overlapping events will be held in Las Vegas, with options for virtual attendance available. Whether in-person or online, I hope our members can experience the great opportunities these events present.

As we look ahead to our Spring season, please feel free to reach out to your Board of Governors with any suggestions for upcoming meeting topics, speakers, or event locations. We are here to serve you.

Finally, I'd like to take a moment to give thanks to the hard working volunteers behind our chapter. Many are listed to the left. We have a remarkably strong chapter as a result.

I wish everyone a safe and happy holiday season!



Sam Philipp
ASHRAE Baltimore Chapter President, 2021-2022

ASHRAE Baltimore Chapter January 6th Meeting Preview

Main Presentation: HVAC and Airborne Infectious Diseases

Concern regarding the risk of hospital acquired infections and the effect of the built environment on epidemics of drug-resistant diseases is increasing. The well-educated designer and owner needs to understand the mechanisms by which infectious disease is transmitted indoors, the extent to which HVAC system characteristics affect probability of infection, available means for controlling risk with demonstrated effectiveness. These topics are presented and discussed using the ASHRAE Board of Directors-approved Position Document Airborne Infectious Diseases as a framework. Pertinent scientific knowledge about modes of disease transmission is reviewed, its practical implications for control are discussed, and the three HVAC-related control methods identified by the Position Document: ventilation, particulate filtration, and ultraviolet germicidal irradiation, are presented and compared. General recommendations for reducing risk are provided and knowledge gaps that need to be filled are identified.

Speaker: Dr. William Bahnfleth



William Bahnfleth is a professor of architectural engineering at the Pennsylvania State University (Penn State) in University Park, where he has been employed since 1994. Previously, he was a Senior Consultant for ZBA, Inc. in Cincinnati, OH and a Principal Investigator at the U.S. Army Construction Engineering Research Laboratory in Champaign, IL. He holds BS, MS, and PhD degrees in Mechanical Engineering from the University of Illinois, where he also earned a bachelor of music degree in instrumental performance. He is a registered professional engineer. At Penn State, Dr. Bahnfleth teaches undergraduate courses in HVAC fundamentals, HVAC system design, and controls and graduate courses in chilled water systems, hot water and steam systems,

and indoor air quality. His research interests cover a wide variety of indoor environmental control topics including chilled water pumping systems, stratified thermal energy storage, protection of building occupants from indoor bioaerosol releases, ultraviolet germicidal irradiation systems, and others. He is the author or co-author of more than 170 technical papers and articles and 14 books and book chapters. He consults on the design of chilled water thermal energy storage systems and has been involved in more than 20 projects world-wide.

2022 ASHRAE Winter Conference and AHR Expo



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Registration is open for the 2022 ASHRAE Winter Conference & AHR Expo in Las Vegas!

The 2022 ASHRAE Winter Conference technical program includes tracks on what ASHRAE is most known for – fundamentals and applications, systems and equipment, refrigerants and refrigeration – and tracks on industry trends in energy system integration to buildings, indoor environmental quality, and building resiliency.

The 2022 Winter Conference will take place virtually and in person at Caesars Palace in Las Vegas, January 29- February 2. The AHR Expo is at the Las Vegas Convention Center, January 31 – February 2.

When you register for the ASHRAE Conference, your ASHRAE badge will give you access to the AHR Expo.

For more information and registration, visit:
<https://www.ashrae.org/conferences/2022-winter-conference-las-vegas>
and
<https://www.ahrexpo.com/>



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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