



JANUARY - VOLUME LVIII ISSUE 04

# THERMOGRAM

**Thursday, January 8, 2025**

**Virtual Lunch Meeting:**

Tech Session (Webex): 12:00-1:30 PM

**Main Dinner Meeting:**

Networking Hour (ESB): 5:00-6:30 PM

Dinner (ESB): 6:30-7:00 PM

Main Speaker: 7:00-8:15 PM

**Tech Session: Sizing and Selecting Actuators for Control Damper**

**Speaker: David Thomas**

Damper Actuators should be simple, but when the time comes to choose one for a new installation or replacement, the options and terminology can become overwhelming. Fail-safe, non-fail-safe? Modulating or floating point? Direct or remote mounting? If you don't even understand the questions, you have no chance of answering them correctly. This course will walk through the proper selection of a damper actuator. This will include how to determine how much torque is required; when to use a spring-return actuator; and how to get the proper actuator for the desired control. From there we will explore proper mounting, including mounting on a multi-section and detached damper setup.

**Main meeting: Shaping Up a Building Modernization - Finding the Right Upgrades for a Unique Building**

**Speaker: Sam Philipp, P.E.**

Sam is a mechanical engineer and project manager with JMT, where he has 13 years of experience working on the design, construction, and commissioning of HVAC systems for commercial buildings. His projects include renovations and new construction for offices, airports, schools, and maintenance facilities. Few days have been the same, from field inspections & surveys, building thermal load and energy calculations, 2D, 3D, & CFD modeling, mechanical systems design, specification writing, control systems design, to systems commissioning. More recently, energy audits and decarbonization studies have become an important part of supporting clients as they plan for future building projects.

## 2025-2026 Chapter Leadership Roster

### Board of Governors

	President	president@ashrae-balto.org, P: 443.789.0188		Governor/Asst. Secretary	asstsecretary@ashrae-balto.org, P: 410.302.1280
	Kaylee Haupt	Carroll County		Mike Poe	Legacy Engineering
	President-Elect	vp@ashrae-balto.org, P: 410.316.2263		Governor	gov2@ashrae-balto.org, P: 240.542.5582
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	Rob Broczkowski	ETC		Nancy Neely	Johnson Controls
	Secretary	secretary@ashrae-balto.org, P: 410.807.8279		Past President	pastpresident@ashrae-balto.org, P: 410.790.7854
	Luis Belisario	Prime AE		Kevin Lindemann	Chesapeake Systems

### Committee Chairs

Attendance/Recpt. Co-Chair: Vikas Kiran, PrimeAE reservations@ashrae-balto.org	Government Affairs: Tyler Brown, ATS gga@ashrae-balto.org	Research Promotion Co-Chair: Kevin Ricart, SmithGroup research@ashrae-balto.org
Attendance/Recpt. Co-Chair: Eric Almon, DMR 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: Abe Undieh Chesapeake Systems historian@ashrae-balto.org	Student Activities: Abe Undieh Chesapeake Systems studentacts@ashrae-balto.org
Chapter Programs: Simona Georgiev, JMT programs@ashrae-balto.org	Historian Co-Chair: TBD historian@ashrae-balto.org	Thermogram: Kaylee Haupt, Carroll County Chesapeake Systems newsletter@ashrae-balto.org
CTA (Tech Awards): Simona Georgiev, JMT cta@ashrae-balto.org	Membership: Ben Joel, WSP membership@ashrae-balto.org	Young Engineers Chair: Nancy Neely, JCI yea@ashrae-balto.org
Diversity in ASHRAE Co-Chair: Jenn Leach, BR+A dia@ashrae-balto.org	Membership Co-Chair: Elyas Khan, JCI membership@ashrae-balto.org	Young Engineers Co-Chair: Elyas Khan, JCI yea@ashrae-balto.org
DIA Co-Chair: Terry Schroeder, WRA dia@ashrae-balto.org	Refrigeration: Jon Olmstead, Hobbs & Associates refrigeration@ashrae-balto.org	Webmaster: Julian Chiveral, CMTA ashtech@ashrae-balto.org
Engineers Week: Nick Spicher engweek@ashrae-balto.org	Research Promotion Co-Chair: Dave Handzo, UEP research@ashrae-balto.org	Women in ASHRAE: Natasha Murray, WSP wia@ashrae-balto.org

# PRESIDENT'S PEN

Thank you to all who came out for the 75<sup>th</sup> Annual Christmas Party! It was a great event and we can't wait for all to come in 2026.

We have some fun events coming up; Golf Skills Competition, Refrigeration Tour, E-week and potentially our first annual Clay Shooting Event.

We are very excited to have one of our own give our main presentation this month, Sam Philip, P.E. discussing the importance of supporting clients as they plan for future building projects.

Hope to see you all at our meeting in a couple of weeks.

**Kaylee Haupt**  
ASHRAE Baltimore President



Registration will open in the May 2026.

# MEETING SCHEDULE

<p>Main: September 4, 2025 Tech: September 16, 2025</p>	<p>Tech: Airflow Measurement for High Performance Buildings Main: Tiki Lee's Social</p>
<p>October 2, 2025 @ESB</p>	<p>Tech: Airflow Management Best Practices for Data Centers Main: Electrification Incentives: Navigating Opportunities and Challenges</p>
<p>November 6, 2025 @ESB</p>	<p>Tech: Current Motor Technologies and Their Impact on VFD Selections Main: Chiller Plant Optimization</p>
<p>December 5, 2025 @Timonium Fairgrounds</p>	<p>75th Annual Christmas Party!</p>
<p>January 8, 2026 @ESB</p>	<p>Tech: Sizing and Selecting Actuators for Control Damper Main: Shaping Up a Building Modernization – Finding the Right Upgrades for a Unique Building</p>
<p>TBD</p>	<p>Tech: TBD Main: Refrigeration Tour, TBD</p>
<p>March 5, 2026 @ESB</p>	<p>Tech: Combustion Air for Mechanical Rooms Main: TBD</p>
<p>April 2, 2026 @ESB</p>	<p>Tech: TBD Main: Framework for Repositioning Existing Buildings to Achieve Sustainability Benefits</p>
<p>May 7, 2026 @ESB</p>	<p>Tech: TBD Main: How to Get More Accomplished in Less Time</p>

# 2025-2026 SPONSORS

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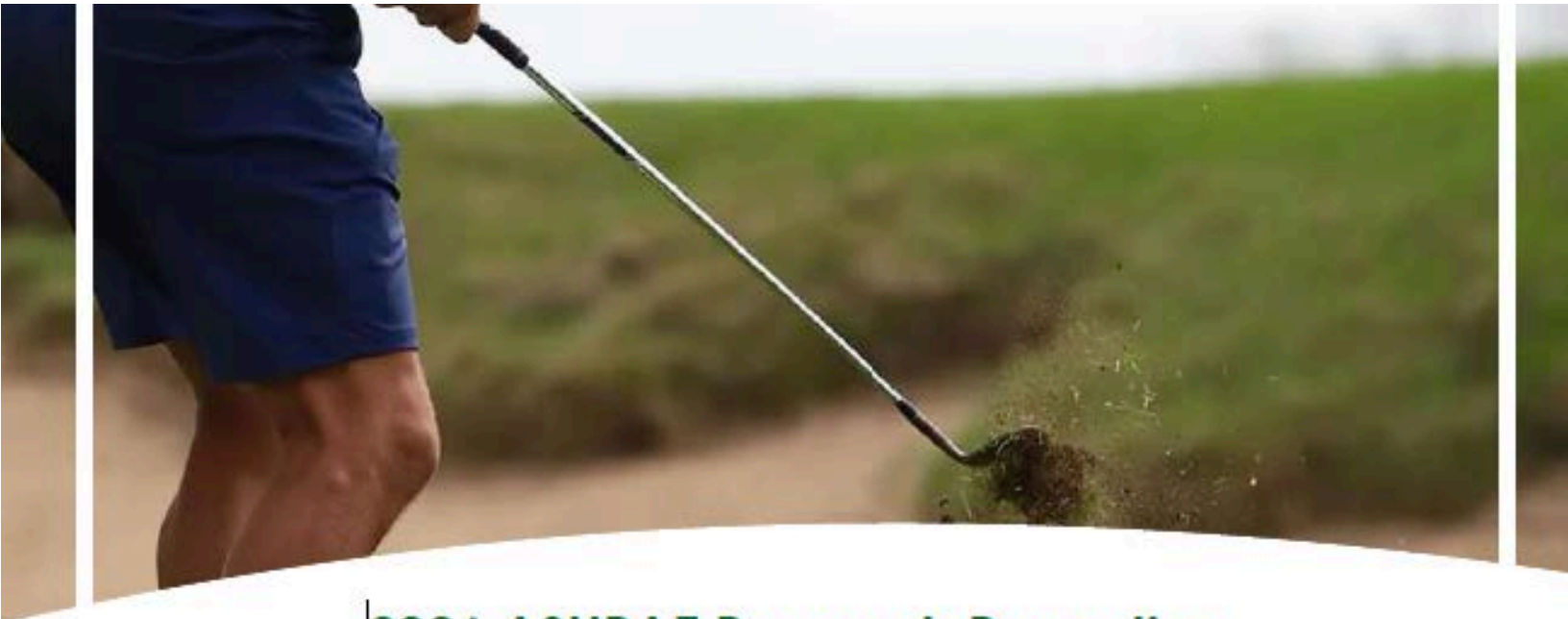
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# UPCOMING EVENTS



## 2026 ASHRAE Research Promotion 4th Annual Golf Skills Competition!

Come shake off the winter rust and put your golf skills to the test to be crowned ASHRAE RP's 2026 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.

Date / T	Cost	Sponsorships	Location
01/16/2026 12p - 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 6797 Dorsey Road Ste 2 Elkridge, MD 21075

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=135> TO REGISTER TODAY!

Please reach out with any questions to Dave Handzo or Joe Petty at [research@ashrae-balto.org](mailto:research@ashrae-balto.org)

# 2025-26 SCHOLARSHIP

**MULTIPLE WINNERS: \$750-\$1500!**



**Applications accepted until March 31st, 2026**  
**Questions? Email us at [scholarship@ashrae-balto.org](mailto:scholarship@ashrae-balto.org)**



# Mentors Needed!

We're looking for mentors in architecture, construction, and engineering careers

## We need mentors at:



- Digital Harbor High School SEED School of
- Maryland Ben Franklin High School TouchPoint
- Baltimore ...and more!
- 



## What you'll do

First, students learn about the various disciplines and the roles each plays in the design and construction of a project. Next, with mentor help, the team develops a building design in response to a realistic "Request for Proposal." Recent projects include a food hall, nature center, and vet clinic. After 15 meetings, teams present their final designs to be judged and awarded!

**Register now at**  
**[acementorbaltimore.org](http://acementorbaltimore.org)**

Questions? Get in touch!

Cozette Conrad,  
Affiliate Director  
[baltimoremd@acementor.org](mailto:baltimoremd@acementor.org)

Follow us! @acebaltimore



## ASHRAE TECHNOLOGY AWARDS

# GET RECOGNIZED!

Have an innovative project that has been in operation for 1 year? Apply for the Chapter Technology Award!

Awards are given in 6 categories:

- Commercial Buildings
- Institutional Buildings
- Health Care Facilities
- Industrial Facilities/Processes
- Public Assembly
- Residential

For additional information  
and application visit



[www.ashrae-balto.org/CTA](http://www.ashrae-balto.org/CTA)

# LOCAL NEEDS

Loyola University Maryland in Baltimore is seeking an engineer who would be interested in teaching their undergraduate Thermodynamics course during the upcoming spring semester. An MS or PhD in mechanical or a related engineering discipline is preferred, but a PE licensure is accepted as an equivalent level of experience. In-person instruction is preferred, but days/time are flexible for those with full-time jobs, and virtual instruction could be discussed/negotiated. The instructor would receive access to all existing course materials from previous years to aide in course preparation. Interested candidates can apply here:

[Affiliate Instructor in Engineering - Loyola University Maryland](#)



**LOYOLA**  
UNIVERSITY MARYLAND

# GOVERNMENT AFFAIRS

## STATE AND LOCAL GOVERNMENT AFFAIRS

### **American Lung Association Recommends ASHRAE Standard 62.1 in Schools IAQ Report**

In early December, the American Lung Association [issued a report](#) on state policies regarding indoor air quality (IAQ) in schools. The report provides a summary of current policies as well as recommendations for state and local governments, and public health officials. The recommendations include the adoption of ASHRAE Standard 62.1, [Ventilation and Acceptable Indoor Air Quality](#), for use in all schools, along with a comprehensive IAQ plan and other actions to mitigate exposure to pollutants and contaminants in school buildings.

## FEDERAL GOVERNMENT AFFAIRS

### **Federal Judge Reinstates BRIC Funding**

On December 11, a federal judge ruled that the Trump administration unlawfully terminated the Federal Emergency Management Agency (FEMA)'s Building Resilient Infrastructure and Communities (BRIC) grant program. The ruling blocks the administration from cancelling the program without the approval of Congress and orders FEMA to promptly take all steps necessary to reverse its termination. The Trump administration announced the cancellation in April, halting the distribution of funds to existing recipients. The BRIC program is the largest pre-disaster mitigation program, providing federal grants to states, tribes, and local governments for projects that reduce risks from natural disasters.