



APRIL - VOLUME LVII - ISSUE 06

# THERMOGRAM

## FORMER PRESIDENTS' NIGHT MAIN MEETING: BEPS PANEL TECH SESSION: LAB EXHAUST SYSTEMS

Thursday, March 6th, 2025

**Main Dinner Meeting:**

**Virtual Lunch Meeting:**

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

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

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

Main Speaker: 7:00-8:15 PM

**Tech Session: Energy Saving and Carbon Reduction Technologies for Lab Exhaust Fans and Fume Hoods**

**Speaker:** Steven H. Graves, President, Measured Air Performance

The Clean Buildings Act of Maryland, enacted in 2022, established ambitious greenhouse gas reduction targets for larger buildings. Laboratory buildings present a particular challenge, as they typically consume 8-10 times more energy than standard commercial buildings. To address this energy intensity, learn about specialized technologies that can significantly reduce electricity usage and heating/cooling demands, as well as carbon emissions from laboratory exhaust systems, (e.g., lab exhaust fans and fume hoods).

**Main meeting: BEPS Panel (Maryland Building Energy Performance Standards)**

**Speakers: Ben Roush and Dr. Zach Berzolla**

Maryland's Building Energy Performance Standards (BEPS) are now in effect for most buildings 35,000 ft<sup>2</sup> and larger in Maryland. Covered buildings must submit benchmarking reports in ENERGY STAR Portfolio Manager starting this year and start meeting phased emissions and EUI standards in 2030, ultimately reaching net zero direct emissions by 2040. Learn more about Maryland's Building Energy Performance Standards from both MDE - the agency implementing BEPS and Ben Roush at FSI, who's been engaged in the development of BEPS from early on and is helping building owners meet the BEPS requirements. We'll do a brief recap of legislation in the current session, and present project highlights.

## 2023-2024 Chapter Leadership Roster

### Board of Governors

	President	president@ashrae-balto.org, P: 410.790.7854		Governor/Asst. Secretary	asstsecretary@ashrae-balto.org, P: 410.807.8279
	Kevin Lindemann	Chesapeake Systems		Luis Belisario	Prime AE
	President-Elect	vp@ashrae-balto.org, P: 443.789.0188		Governor	gov2@ashrae-balto.org, P: 410.302.1280
	Kaylee Haupt	Carroll County		Mike Poe	Legacy Engineering
	Treasurer	treasurer@ashrae-balto.org, P: 410.316.2263		Senior Advisor	senioradvisor@ashrae-balt.org, P: 301-440-2218
	Simona Georgiev	JMT		Tyler Lee	Chesapeake Systems
	Secretary	secretary@ashrae-balto.org, P: 571.318.7310		Former President	pastpresident@ashrae-balto.org, P: 443.224.1594
	Rob Broczkowski	ETC		Terry Schroeder	WRA

### 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: Joe Petty, ATS research@ashrae-balto.org
Attendance/Recpt. Co-Chair: Tim Scheck, C-W 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: Kaylee Haupt, Carroll County programs@ashrae-balto.org	Historian Co-Chair: Kevin Lindemann Chesapeake Systems historian@ashrae-balto.org	Thermogram: Kevin Lindemann Chesapeake Systems newsletter@ashrae-balto.org
CTA (Tech Awards): Kaylee Haupt, Carroll County cta@ashrae-balto.org	Membership: Ben Joel, WSP membership@ashrae-balto.org	Young Engineers: Co-Chair: Nancy Neely, JCI yea@ashrae-balto.org
Diversity in ASHRAE Co-Chair: Patrick Harrilal, JMT dia@ashrae-balto.org	Membership Co-Chair: TBD membership@ashrae-balto.org	Young Engineers Co-Chair: Elyas Khan, JCI yea@ashrae-balto.org
DIA Co-Chair: Ashleigh Newman, The Morin Company dia@ashrae-balto.org	Refrigeration: Jon Olmstead, Hobbs & Associates refrigeration@ashrae-balto.org	Web Technicians: Kevin Lindemann Chesapeake Systems ashtech@ashrae-balto.org
Engineers Week: Nick Spicher, Chesapeake Systems engweek@ashrae-balto.org	Research Promotion: Dave Handzo, UEP research@ashrae-balto.org	Women in ASHRAE: Nicole Harshbarger, Schneider Electric wia@ashrae-balto.org

# PRESIDENT'S PEN

Spring is in the air, which means it's time for crabcakes at The Engineer's Club. Each year in April we are honored to host our former chapter presidents at our monthly meeting. We look forward to seeing many familiar faces later this week and thank our former presidents for their years of dedication to the chapter.

Elections are now open for next year's Board of Governors. We ask that current chapter members take the time to cast a ballot. There is a poll available in the members area of our website, so please make sure to log in and cast your vote! We will have hard copies available at the meeting on Thursday as well.

For those of us still young enough to receive the YEA invites, be sure to mark May 14th on your calendars! Our YEA members will be enjoying a happy hour and Orioles game at Camden Yards. Keep reading for more details!

We've had several inquiries already and are happy to share the registration is now open for our 67th Annual Golf Outing and Banquet. We will be returning to Turf Valley Country Club on Thursday, June 6th.

Thank you to our volunteer committee chairs for their efforts in organizing these events: Nancy Neely (YEA) and Tyler Lee (Golf).

A handwritten signature in blue ink, appearing to read "Kevin Lindemann", with a long horizontal flourish extending to the right.

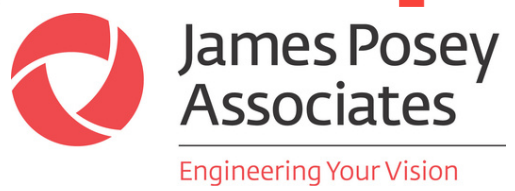
Kevin Lindemann  
ASHRAE Baltimore President

# MEETING SCHEDULE

September 5th, 2024 September 11, 2024	Tech: Hydronic Balancing Main: Tiki Lee's Social
October 3, 2024 @ESB	Tech: Energy in Buildings - An HVAC Perspective for the 21st Century (ASHRAE DL) Main: Maintaining High Performance Buildings through Dynamic Optimization
November 14, 2024 @Union Draft Brewing	Tech: TBD Main: Humidification and ASHRAE Standard 170
December 6, 2024 @Timonium Fairgrounds	74rd Annual Christmas Party!
January 9, 2025 @ESB	Tech: Battery Energy Storage Systems Main: Ethics
February 6th, 2025 Brass Tap	Tech: Refrigerant Update Main: MICA Fox Building Tour
March 6, 2025 @ESB	Tech: MD Clean Heat Rules Main: Elevator Fire & Safety Codes
April 10, 2025 @ESB	Tech: Lab Exhaust Systems Main: BEPS Panel Discussion
May 1, 2025 @ESB	Tech: TBD Main: TBD

# 2024-2025 SPONSORS

## RAVENS SPONSORS



## ORIOLES SPONSORS



## BLAST SPONSORS



# 2025-2026 BALLOT

This slate of Officers for the Baltimore Chapter of ASHRAE has agreed to serve on the Board of Governors in the capacities listed below and are being presented to the membership for consideration. Members may log into our website and vote on our ASHRAE Baltimore Chapter Board before April 25, 2025. The ballots will be tabulated, and the election results will be announced in the May meeting and subsequent Thermogram newsletter.

## Nomination of Officers and Board Members for 2025-2026

<input type="checkbox"/> President-Elect /Vice President	Simona Georgiev
<input type="checkbox"/> Treasurer	Robert Broczkowski
<input type="checkbox"/> Secretary	Luis Belisario
<input type="checkbox"/> Governor / Assistant Secretary	Michael Poe
<input type="checkbox"/> Governor	Tim Scheck

The following chapter members will serve on the Board, but do not require a vote. Their names are being presented to our membership to welcome any comments.

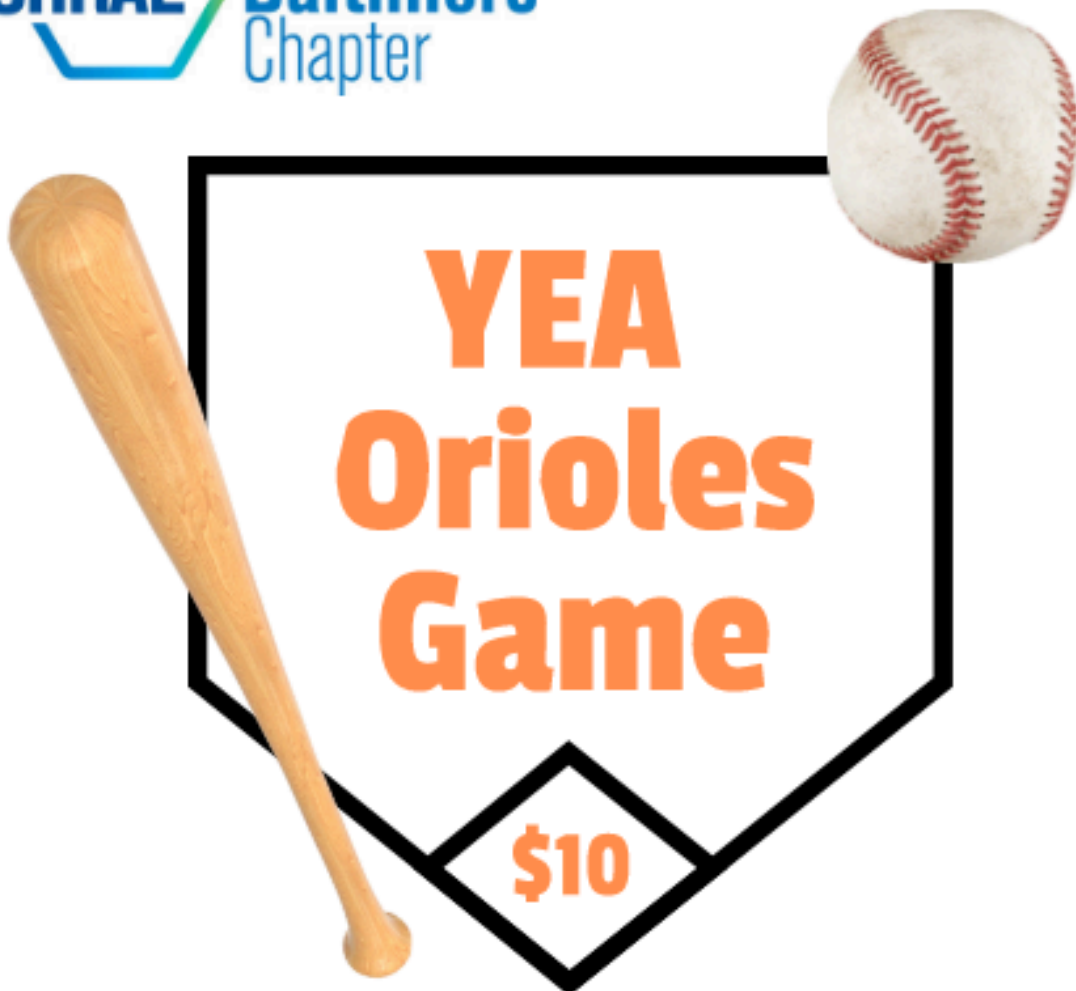
President: Kaylee Haupt

Former President: Kevin Lindemann

Senior Advisor: Nancy Neely

Remember, you must be an ASHRAE member to vote. Log in at [www.ashrae-balto.org](http://www.ashrae-balto.org) and look for the 2025-26 Ballot in the Member Area quick links on the right. Alternately, print this page, mark the choices and email it to Terry at [pastpresident@ashrae-balto.org](mailto:pastpresident@ashrae-balto.org).

# UPCOMING EVENTS



**WEDNESDAY, MAY 14, 2025**

**CAMDEN YARDS, 6:35 GAME TIME**

**TICKETS ARE LIMITED! PURCHASE TICKETS ON  
ASHRAE-BALTO.ORG**

**\$10 INCLUDES GAME TICKET AND HAPPY HOUR  
BEFORE THE GAME (LOCATION TBD)**

67TH ANNUAL

GOLF

OUTING & BANQUET

2025

TURF VALLEY COUNTRY CLUB

2700 Turf Valley Rd | Ellicott City, MD 21042

THURSDAY, JUNE 5, 2025

**SCHEDULE**

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

**COSTS**

\$1000 = FOURSOME  
\$150 = HOLE SPONSOR  
\$1150 = FOURSOME & HOLE SPONSOR  
FOOD & DRINK ON THE COURSE ARE INCLUDED WITH REGISTRATION FEES

**REGISTER NOW!**

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

*We are limiting space to (4) foursomes per company.  
If you wish to add additional registrations please send an e-mail to [golf@ashrae-balto.org](mailto:golf@ashrae-balto.org)*



**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)

# NOT A MEMBER? BECOME ONE TODAY!



## ASHRAE Membership

[ashrae.org/benefits](http://ashrae.org/benefits)

### Five Benefit Options Available.



Full Members and Associates can now select **1** of the following options:

<p><b>eLearning Course</b></p>  <p><b>150+</b> to choose from</p>	<p><b>ASHRAE Standard</b></p>  <p><b>100+</b> to choose from</p>	<p><b>ASHRAE Handbook</b></p>  <p>PDF version of the most recent</p>	<p><b>Handbook Online</b></p>  <p><b>4</b> most recent</p>	<p><b>ASHRAE Certification Exam Study Guide</b></p>  <p><b>3</b> to choose from</p>
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First Year New Members automatically get:

<p><b>1 Free Registration</b></p>  <p>to Winter or Annual Conference</p>	<p><b>12 Months FREE</b></p>  <p>Handbook Online</p>
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### Additional Member Benefits

<p><b>12</b> month subscription to ASHRAE Journal</p> 	<p><b>25%</b> discount On <b>400</b> publications in the Bookstore</p> 
<p><b>2000+</b> free resources for members in the ASHRAE Technology Portal</p>	

**50,000+**  
Members



**190+** Chapters **16** Regions across the world

