



MAY - VOLUME LVI ISSUE 09

THERMOGRAM

MAIN MEETING: BUILDING AN INNOVATION MINDSET
VIRTUAL TECH SESSION: COMMUNICATIONS
PROTOCOLS AND BACNET SC

ASHRAE Meeting Details:

May 2, 2024 - Thursday

Lunch Virtual Meeting: 12:00 - 1:30pm

Networking Hour: 5:00 - 6:30 pm

Main Dinner Meeting: 6:30 - 8:00 pm

Registration for virtual tech session only is free for members, \$10 for non-members.

Dinner is \$35 for members and non-members, and registration includes virtual tech session.

Tech Session: Communication Protocols - BACnet SC

Speaker: Chris Werneke, Distech Controls

This presentation will discuss open systems, communication protocols, and some key differences amongst protocols. The most common communication protocols being used today to allow BMS system controllers to facilitate data exchange will be explored. "Open" systems and open, standard communication protocols will be compared to proprietary systems/protocols. Additionally, this presentation will explore BACnet SC (Secure Connect) and RESTful APIs.

Main Meeting: Building an Innovation Mindset

Speaker: Patrick Galliford

Innovation is at the core of BAC's culture and has driven the success of their products since 1938. To build on their legacy of product innovation success, BAC launched Innovation 2.0 in 2018, deploying a structured innovation process for non-product processes and building a company-wide innovation culture and mindset. This process consists of five distinct phases of creative problem solving, Innovation that focuses on meeting stakeholder needs, casting wider nets for solutions, and pushing employees to develop exceptionally creative solutions. Learn more about BAC's creative problem-solving process and their innovation culture during this session.

2023-2024 Chapter Leadership Roster

Board of Governors

| | | | | | |
|---|-----------------|--|--|--------------------------|---|
|  | President | president@ashrae-balto.org, P: 443.224.1594 |  | Governor/Asst. Secretary | asstsecretary@ashrae-balto.org, P: 571.318.7310 |
| | Terry Schroeder | WRA | | Rob Broczkowski | ETC |
|  | President-Elect | vp@ashrae-balto.org, P: 410.561.1655 |  | Governor | gov2@ashrae-balto.org, P: 410.807.8279 |
| | Kevin Lindemann | Chesapeake Systems | | Luis Belisario | Prime AE |
|  | Treasurer | treasurer@ashrae-balto.org, P: 443.789.0188 |  | Senior Advisor | senioradvisor@ashrae-balt.org, P: 410.316.2485 |
| | Kaylee Haupt | Baltimore County Public Schools | | Sam Philipp | JMT |
|  | Secretary | secretary@ashrae-balto.org, P: 410.316.2263 |  | Past President | pastpresident@ashrae-balto.org, P: 410.746.4168 |
| | Simona Georgiev | JMT | | Nancy Neely | Johnson Controls |

Committee Chairs

| | | |
|--|---|---|
| Attendance/Recpt. Co-Chair: Elyas Khan, JCI 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: Jennifer Leach, BR+A historian@ashrae-balto.org | Student Activities: Abe Undieh, Chesapeake Systems studentacts@ashrae-balto.org |
| Chapter Programs: Kevin Lindemann, Chesapeake Systems programs@ashrae-balto.org | Historian Co-Chair: Terry Schroeder, WRA historian@ashrae-balto.org | Thermogram: Terry Schroeder, WRA newsletter@ashrae-balto.org |
| CTA (Tech Awards): Kevin Lindemann, Chesapeake Systems cta@ashrae-balto.org | Membership: Rich Girard, RMF membership@ashrae-balto.org | Young Engineers: Co-Chair: Matt Francis, ATS yea@ashrae-balto.org |
| Diversity in ASHRAE Co-Chair: Patrick Harrilal, JMT dia@ashrae-balto.org | Membership Co-Chair: Ben Joel, WSP membership@ashrae-balto.org | Young Engineers Co-Chair: Matt Hart, ATS 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: Vikas Kiran, Prime AE Maggie Palacz, Schneider Electric ashtech@ashrae-balto.org |
| Engineers Week: Nick Spicher, Chesapeake Systems engweek@ashrae-balto.org | Research Promotion Co-Chair: Michael Poe, Legacy Engineering Group research@ashrae-balto.org | Women in ASHRAE: Nicole Harshbarger, Schneider Electric wia@ashrae-balto.org |

PRESIDENT'S PEN

It's already time for the last meeting of our ASHRAE year, a night when we will award student scholarships and highlight our Research Promotion (RP) Campaign. Earlier this month we reached 60% of our goal for this year, which is tremendous! But if you've been waiting to donate, now is the time to finish strong. Contact Mike at rp@ashrae-balto.org to find out how to donate.

We have a special treat for everyone who attends our meeting this week - we have a photographer coming to take professional headshots for free! So dress for success and get an awesome new headshot from Todd Dring!

In this issue we have details for our final events of the year and an upcoming partner event hosted by the Pepco Energy Savings for Business program. You'll also find the results of this year's election, and information on ASHRAE's newest certification program.

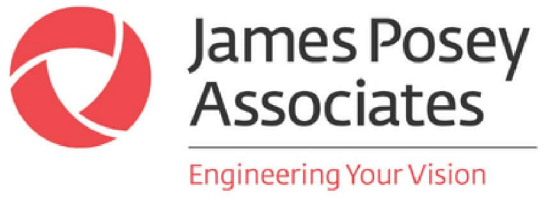
I wish everyone a wonderful summer, and thank you for the opportunity to serve as President of the Chapter this year. I've had the privilege to work with an awesome team this year and for the last 4 years. I can't wait to see what our future leaders have in store!

Terry Schroeder
ASHRAE Baltimore President



23-24 CHAPTER SPONSORS

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MEETING SCHEDULE

| | |
|--|---|
| September 7, 2023 | Tiki Lee's Social |
| October 5, 2023 @ESB | Tech: Building Envelope and HVAC Main: ASHRAE 62.1 IAQ Procedure Research Promotion Night |
| November 1, 2023 @ESB | Tech: Net Zero Carbon Design & Performance Main: Radiant & Hydronics for Decarb Membership Promotion Night |
| December 1, 2023 @Timonium Fairgrounds | 73rd Annual Christmas Party! |
| January 4, 2024 @ESB | Tech: Reducing Airborne Particulates Main: Standard 170 - Healthcare Ventilation |
| February 1, 2024 @TBD | Tech: Refrigerant Phasedown Main: Refrigeration Tour, Liquidity Alehouse |
| March 7, 2024 @ESB | Tech: Advanced Digital Metering Main: Inflation Reduction Act and Tax Credits for Thermal Storage |
| April 4, 2024 @ESB | Tech: Update to Empower MD Building Tune-Up Program Main: Maryland Building Energy Performance Standards Update |
| May 2, 2024 @ESB | Tech: HVAC Communication Protocols - BACnet SC Main: Building an Innovation Mindset |

UPCOMING EVENTS

• ASHRAE BALTIMORE YEA •



ORIOLES BASEBALL

Friday, May 10th 2024

Pickles at 5:00 pm
Game at 7:05 pm

CAMDEN YARDS

Please RSVP Via The Google Doc

Networking Event

Game Ticket Provided

Pickles to Start



Made with PosterMyWall.com

Reach out to yea@ashrae-balto.org for more info

UPCOMING EVENTS



THURSDAY, JUNE 06, 2024
9 AM SHOTGUN START
2 PM CASH BAR & LUNCH AVAILABLE
2 PM - 3 PM RECEPTION
3 PM - 5 PM DINNER & AWARDS

COSTS
\$850 = FOURSOME
\$150 = HOLE SPONSOR
\$1000 = FOURSOME
(INCLUDING HOLE SPONSOR)

REGISTER NOW!

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

UPCOMING EVENTS

Get Ready for Maryland BEPS and Benchmarking!

Hear the latest on Maryland BEPS from the Maryland Department of the Environment and learn about the latest in Benchmarking tools from the EPA's ENERGY STAR team.

Agenda:

- 9:30 a.m. – Arrival, Networking, Coffee & Pastries
- 10:00 a.m. – Introductions, EmPOWER Maryland updates
- 10:20 a.m. – Update on MD BEPS
- 10:50 a.m. – Benchmarking Tools
- 11:30 a.m. – Closing



delmarva power pepco

 June 11, 2024

 530 Gaither Rd, Rockville, MD
(1st Floor Conference Room)

Hosted by Pepco Energy Savings for Business, an EmPOWER Maryland Program

2024-2025 ELECTION

The following volunteers have agreed to serve on the Baltimore Chapter Board of Governors in the capacities listed below and our membership has confirmed their nominations.

Please join me in CONGRATULATING and THANKING our board members for 2024-2025! The Baltimore Chapter has strong commitment and leadership from our membership and our chapter would not exist without our volunteers!

2024-2025 Board of Governors

| | |
|---------------------|--------------------|
| President | Kevin Lindemann |
| President-Elect | Kaylee Haupt |
| Treasurer | Simona Georgiev |
| Secretary | Robert Broczkowski |
| Assistant Secretary | Luis Belisario |
| Governor | Michael Poe |
| Former President | Terry Schroeder |
| Senior Advisor | Tyler Lee |

CDP CERTIFICATION

Apply by June 7 and be among the first to earn the **NEW** ASHRAE **Certified Decarbonization Professional** (CDP) certification.



Demonstrate to clients, employers and colleagues competency to do the following job:

Assess, analyze, and develop effective and sustainable strategies that reduce/eliminate the life-cycle carbon footprint of new and existing buildings.

Download the [CDP Candidate Guidebook](#) to learn about eligibility requirements, application and examination.

Here are some key dates:

1. Apply by June 7
2. Sit for the CDP exam anytime June 25 – July 21 at any of ASHRAE's 1,000+ test center locations worldwide, OR June 26 in Indianapolis at the ASHRAE Annual Conference
3. CDP exam results released August 15.



BALMER DIRECTORY

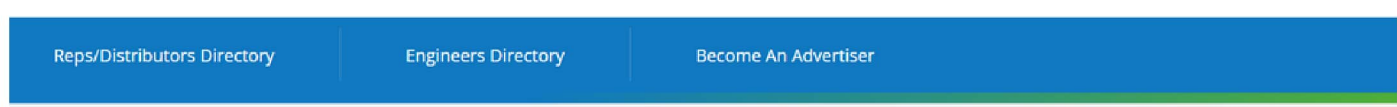
Are you looking for a local manufacturer’s rep that sells a specific product? Maybe you are looking for an engineering firm to partner with? If so, check out www.ashrae-balmer.org!

Baltimore ASHRAE is thrilled to provide BALMER - the Baltimore Area List of Mechanical Engineering Resources - a website dedicated to advertising local equipment representatives and engineering firms to make it easier to find products, reps, engineers, and their contact information.

If you are interested in listing your firm, please head to the site and click on the “Become an Advertiser” link in the main navigation bar. Rates are:

\$500/year for Reps/Distributors
\$250/year for Engineering Firms

All content on BALMER is self-managed, and your renewal period starts on the day you register. Please reach out if you have questions! president@ashrae-balto.org.



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