



APRIL - VOLUME LV ISSUE 08

# THERMOGRAM

**Main Meeting: From Ambition To Action: Net Zero Goals, ESG Targets, And Energy Code Compliance**

**Virtual Tech Session: Energy Auditing Processes**

## ASHRAE April Meeting Details:

April 6th, 2023

Lunch Virtual Meeting:

Tech Session (GoToMeeting) 12:00—1:30pm

April 13th, 2023

Main Dinner Meeting: 5:00-8:30pm

Engineer's Club, Baltimore

### **Main Meeting: From Ambition To Action: Net Zero Goals, ESG Targets, And Energy Code Compliance**

Net zero, decarbonization, corporate sustainability – once buzz words for future “green” goals are now a reality. Companies are developing corporate sustainability plans that align with regulations (local and state laws) and improve their ESG (Environmental, Social, and Corporate Governance) scores. Design teams have the responsibility to develop and implement strategies to achieve these goals. And figuring out where to start with reducing CO2 emissions and energy usage can be overwhelming. What does “net zero” mean and how does it impact a facility? What sort of long-term plan is needed to successfully reach targets?

**Speaker: Jesse Fisher, P.E, CPD, WB Engineers+Consultants - Principal**

### **Tech Session: Energy Auditing Processes**

This month we have an exciting collaboration between the Chapters of Region III and the Colombia Chapter! ASHRAE Distinguished Lecturer Fabio Clavijo will be speaking to us on Energy Auditing Processes, a topic that is sure to be important in the near future as regulations on decarbonization begin to take effect. The Energy Audit process of existing energy HVAC systems and buildings has advanced in recent years based on the need to improve and control Energy and Operation Performance. The process of documenting the auditing work based on the tasks and agreed objectives supports proposals to improve systems performance combining financial and operational opportunities. The presentation follows alternative auditing routes to advance in the process according to the situational client needs correlating energy and opportunities based on initial costs, operational savings and return on investment figures.

**Speaker: Fabio M. Clavijo, P.E.**

# PRESIDENT'S PEN

Dear Members,

Spring is in the air and warm weather will be here before we know it! This month, we're hosting a 2 part meeting once again. Our technical session will be on April 6th and we have bumped our in person meeting to April 13th to avoid a conflict with the Orioles home opener on April 6th. Let's Go O's!

We've got two important deadlines coming up to keep your eye on - our scholarship deadline is March 31st as well as our deadline for submissions for ASHRAE Technology awards. More info can be found in the Thermogram on both of these opportunities.

April is one of our favorite months - it's when we celebrate all of the former presidents of our chapter. ASHRAE is a 100% volunteer organization and we have a long history of dedicated leaders in the Baltimore Chapter. We look forward every year to reuniting with many former presidents in April and celebrating their commitment to the chapter over the years!

A handwritten signature in cursive script that reads "Nancy Neely".

Nancy Neely  
ASHRAE President



# 65th Annual ASHRAE Baltimore GOLF OUTING & BANQUET

**TURF VALLEY COUNTRY CLUB**  
**2700 TURF VALLEY ROAD | ELLICOT CITY, MD 21042**

<b>JUNE 1ST, 2023</b>	<b>COSTS</b>
<b>9 AM SHOTGUN START</b>	<b>\$650 = FOURSOME</b>
<b>2 PM CASH BAR &amp; LUNCH AVAILABLE</b>	<b>\$150 = HOLE SPONSOR</b>
<b>2 PM - 3 PM RECEPTION</b>	<b>\$800 = FOURSOME</b>
<b>3 PM - 5 PM DINNER &amp; AWARDS</b>	<b>(INCLUDING HOLE SPONSOR)</b>

**DON'T FORGET - THE EVENT IS MOVED TO THURSDAY THIS YEAR!**

**TYLER LEE | GOLF CHAIR**  
**P: 443.561.1600 | E: GOLF@ASHRAE-BALTO.ORG**  
**REGISTER: ASHRAE-BALTO.ORG/GOLF**



# The Baltimore Chapter is hosting the 2023 Chapter Regional Conference!



# 2023 ASHRAE

REGION III CRC

**AUGUST 10-12**

## SAVE THE DATE

- Join us for a family-friendly Chapters' Regional Conference
- Enjoy the beautiful Canopy Waterfront Hotel
- Gain invaluable insights to ASHRAE Regional & Society Operations
- Explore the Baltimore Aquarium, Maryland Science Center, Visionary Art Museum, the USS Constellation, among many others!



 (240) 542-5523

 [crc@ashrae-balto.org](mailto:crc@ashrae-balto.org)

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

# BALMER RE-LAUNCH!

Remember the old MEMRA Books? Baltimore ASHRAE is thrilled to announce the re-launch of BALMER - the Baltimore Area List of Mechanical Engineering Resources - a website dedicated to equipment representatives and engineering firms to make it easier to find products, reps, and contact information needed in the industry. If you are interested in listing your firm, please contact us at [president@ashrae-balto.org](mailto:president@ashrae-balto.org).

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



## BALMER

Baltimore Area List of Mechanical Engineering Resources

[Login](#)

Reps/Distributors Directory      Engineers Directory      Become An Advertiser

### FIND A DISTRIBUTOR / REPRESENTATIVE

Search By Company Name	Search For Products	Filter by Manufacturer	Contact Name
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# Thank you to our 2022-2023 Chapter Sponsors!

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## 2022-2023 Chapter Leadership Roster

### Board of Governors

	President Nancy Neely	president@ashrae-balto.org, P:410.746.4168 Johnson Controls, Inc.		Governor/Asst. Secretary Simona Georgiev	asstsecretary@ashrae-balto.org, P:410.316.2263 JMT
	President-Elect Theresa Schroeder	vp@ashrae-balto.org, P:443.224.1594 Whitman Requardt		Governor Robert Broczkowski	gov2@ashrae-balto.org, P:571.318.7310 ETC
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	Secretary Kaylee Haupt	gov2@ashrae-balto.org, P:443.789.0188 Baltimore County Public Schools		Past President Sam Philipp	pastpresident@ashrae-balto.org, P:410.316.2485 JMT

### Committee Chairs

Attendance/Recpt. Co-Chair: Luis Belisario, WRA 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: Elyas Khan, JCI reservations@ashrae-balto.org	Golf Outing: Tyler Lee, Chesapeake Systems golf@ashrae-balto.org	Scholarship: Robert Broczkowski, ETC scholarship@ashrae-balto.org
Christmas Party: Wade Myers, JMT christmas@ashrae-balto.org	Historian Hailey Brennan, Spectrum Energy historian@ashrae-balto.org	Student Activities: Nick Spicher, Chesapeake Systems studentacts@ashrae-balto.org
Chapter Programs: Theresa Schroeder, WRA programs@ashrae-balto.org	Historian Co-Chair: Jennifer Leach, BR+A historian@ashrae-balto.org	Thermogram: Kelly Brennan, Schneider Electric newsletter@ashrae-balto.org
CTA (Tech Awards): Theresa Schroeder, WRA 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 Technician: Vikas Kiran, Prime Engineering ashtech@ashrae-balto.org
Engineers Week: Robert Broczkowski, ETC engweek@ashrae-balto.org	Research Promotion: Michael Poe, WSP research@ashrae-balto.org	Women in ASHRAE: Nicole Harshbarger, Schneider Electric wia@ashrae-balto.org

# MEETING SCHEDULE

## ASHRAE Baltimore Programs 2022-2023

Meeting Date	Topics/Speakers	Location
September 8, 2022	12:00 PM - Main Meeting: Hot Water Solutions 5:30 PM - Summer Social at Tiki Lee's Dock Bar	Main Meeting - Virtual Summer Social - Tiki Lee's
October 6, 2022 Research Promotion Night	12:00 PM - Tech Session: Heat Exchanger Sizing & Selection 5:30 PM - Main Session: Maryland's Climate Solutions Now! Act	Tech Session: Virtual Main Meeting: ESB
November 3, 2022 Membership Promotion Night	12:00 PM - Tech Session: Valves, Actuators, & Dampers 101 5:30 PM - Main Session: Ethics Case Studies	Tech Session: Virtual Main Meeting: ESB
December 2, 2022	72nd Annual Christmas Party	Timonium Fairgrounds, 4H Building
January 5, 2023	12:00 PM - Tech Session: Heat Pump Water Heating for Commercial Domestic Hot Water Applications 5:30 PM - Main Session: The Evolution Of Air-Handling Systems: From Air Conditioning To DOAS To Post-COVID IAQ	Tech Session: Virtual Main Meeting: ESB
February 2, 2023	12:00 PM - Tech Session: Refrigerant Update	Tech Session: Virtual
February 9, 2023	1:00 PM Laurel Gardens Ice Rink Tour with Networking at Jailbreak Brewing to Follow	Laurel Gardens, Jailbreak Brewing
March 2, 2023 Membership Promotion Night	12:00 PM - Tech Session: New ASHRAE Guidelines for High-Sensible Spaces 5:30 PM - Main Session: Updates to ASHRAE 62.1 in 2022	Tech Session: Virtual Main Meeting: ESB
April 6, 2023 Former Presidents' Night Research Promotion	12:00 PM - Tech Session: TBD 5:30 PM - Main Session: TBD	Tech Session: Virtual Main Meeting: ESB
May 4, 2023 Student Night	12:00 PM - Tech Session: TBD 5:30 PM - Main Session: TBD	Tech Session: Virtual Main Meeting: TBD
June 1, 2023	Golf Outing	Turf Valley



# 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)

# 2022-2023 Scholarship

**Multiple Winners:**  
**\$750-\$1500**



**Applications Accepted  
Until - March 31, 2023**

**[Click here](#) to learn more  
and apply today!**

Questions? Email Us!  
[scholarship@ashrae-balto.org](mailto:scholarship@ashrae-balto.org)

# NOT A MEMBER? BECOME ONE TODAY!



## What is the value of ASHRAE Membership?

Free products new, full dues paying Members and Associates receive.

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

Members select one of three as an annual benefit:



One ASHRAE Standard (PDF)

up to \$200 value



Upcoming Handbook

\$240 value



One eLearning Course

up to \$60 value



ASHRAE Journal Subscription

\$90 value



Science and Technology for the Built Environment

\$390 value



One Year of ASHRAE Handbook Online

\$315 value



One Free Society Conference

\$750 avg. value

**\$2,074**  
in free ASHRAE products + membership discounts



Technology Portal Member Access

\$289 value



ASHRAE Bookstore

25% Off



ASHRAE Professional Development

avg \$200 savings



ASHRAE Certification

\$200 savings