

CURRENT BOG

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Meeting Location:

**The Learning Center
Lichterman Nature Center
5992 Quince (between Lynnfield and
Ridgeway, east of I-240)**

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**2023-2024 MEMPHIS ASHRAE
CALENDAR AND ANNOUNCEMENTS**

Chapter Meetings/Events

Tuesday, January 9th – Standard 62.1 by
Brian Hafendorfer, DL

Tuesday, February 13th – DEI &
Workforce Development by Kurt Kraiger

Tuesday, March 27th – Oxford Trip

Tuesday, April 9th – TBD

TBD – Golf Tournament

Tuesday, May 14th - TBD

Mark your calendars!
Region VII CRC
2024
JULY 25-27

Let's go to Memphis!

Home of the blues and birthplace of rock-and-roll, we are excited to bring the 2024 Region VII CRC to Memphis, Tennessee.

Join us at The Peabody Hotel and stay to experience Memphis. Together, we will eat BBQ, explore music at the Memphis Rock and Soul Museum, visit the National Civil Rights Museum and, of course, party on Beale.

Check out all that Memphis has to offer and start planning your visit today!

Our top 10...



... and much more!

President's Corner:

Happy New Year! I hope everyone had a good holiday break and is ready to go into this new year to achieve their goals and continue on in furthering the engineering community.

There was a great turnout for the Christmas Party at Majestic Grille. It was wonderful spending time together, and enjoying good food and drink. Thank you to those who planned it and to all those who attended.

I want to take a moment to thank Ryan Mathis for his service as Chapter President this past semester. He did a great job and set up this next semester to go well in the process. He has taken on a new position out of state, and we wish him well on his next endeavor. In light of that, I will be stepping in to take over for the remainder of this semester to handle Presidential duties. I am confident in our Board of Governors, the different committees, and in you, the members, that we will have a great Spring semester!

For our General Body Chapter meeting next week we will be hosting Distinguished Lecturer (DL) Brian Hafendorfer. He is traveling in from Lexington, KY and will be giving us a great talk on ASHRAE Standard 62.1. I look forward to welcoming Brian to Memphis and seeing you all there next week!

As always, we're looking for members who are interested in volunteering their time and talents to help impact our membership. If you're interested in serving, please reach out to myself, or anyone on the BOG.

MLK Day is January 15th. It is a great time to reflect on the impact and change that was brought about from his service, and to encourage others to serve their communities as well!

"Life's most persistent and urgent question is, 'What are you doing for others?'"
– Dr. Martin Luther King, Jr.

Sincerely,

Nate Roelofs
Interim President, ASHRAE Memphis 2024

Chapter Meeting Topics: "ASHRAE Standard 62.1 - Where have we been, where are we now and where are we going?"

This lecture will be an explanation of the evolution of Standard 62.1 including the newest modifications to ASHRAE Standard 62.1-2022. SSPC 62.1 had made major modifications to the standard over the last couple revision cycles. These include a new Natural Ventilation Rate Procedure, a new Indoor Air Quality Procedure and changes to the Ventilation Rate Procedure that will have major impact on the way the standard will be applied. Other changes include requirements associated with building humidity.

Since we live and design HVAC systems in the Mid-South, where humidity and ventilation control are a constant battle, attending this lecture is a definite must! Please come prepared with questions for our DL as it is not often we are able to secure one, and his experience could be invaluable to the problems you are facing today.

Speaker Bio:



Presented by: Brian Hafendorfer, P.E., D.L.

Brian Hafendorfer is a licensed professional engineer with over 20 years of experience in commercial air conditioning, industrial refrigeration, and indoor air quality. Having spent time in the commercial HVAC manufacturing world, as well as the design-build construction industry, Brian has a well-rounded background in the design, development, manufacturing and application of HVAC systems and equipment as well as the hygienic design of Food & Beverage industrial manufacturing facilities. He has a passion for sustainability and is actively engaged in creating innovative solutions for customers that exceed their expectations.

Brian is an active member of ASHRAE having received the 2018 ASHRAE Chapter Service Award, the 2019 ASHRAE Distinguished Service Award and the 2021 Regional Award of Merit. He has served on multiple ASHRAE committees including SSPC 62.1 - Ventilation for Acceptable Indoor Air Quality as voting member and subcommittee chair, past chair of TC 2.9 Ultraviolet Air and Surface Treatment, and as a voting member of TC 2.3 - Gaseous Air Contaminants and Gas Contaminant Removal Equipment and TRG4. IAQP - Indoor Air Quality Procedure Development. Brian is a former treasurer for Region VII and served as the advisory panel chair for ISO TC 142 Working Group 2 - UVC technology. Within the Bluegrass Chapter, he held various chapter chair and officer positions, ultimately progressing to Chapter President.

Brian has authored numerous publications and presented on various topics including sustainability, indoor air quality, coil design and application, advanced air handling systems, humidity control, ASHRAE standards, and air cleaning and filtration.



JANUARY NEWSLETTER
DATE: 1/9/2024

SAVE THE DATE!
3/27/24

**JOINT MISSISSIPPI/ ASHRAE
MEMPHIS CHAPTER MEETING @
OLE MISS**

Tech Session by ASHRAE Society President - Ginger Scoggins, P.E.
Two Additional Distinguished Lecturer Tech Sessions
Plant Tour
Consultant Round Table Discussion
YEA Happy Hour to Follow

**YOU DON' T WANT TO MISS IT! MARK YOUR CALENDARS.
11AM-4PM + HAPPY HOUR
- OLE MISS PAVILION**

Did Ya Know?

This was contributed by a chapter member:

We worked on the renovation of a single-story medical office building (MOB).

Initially on the plans, the architect had included an entry vestibule at the covered drop off with automatic doors. Just inside the building past the vestibule was the waiting area, and check-in desk.

Prior to construction, and without our input, the second set of doors (which created the vestibule) were 'VE'd' out of the project.

The first winter the building opened, we got a call that the receptionist and everyone in the waiting room were freezing, because the automatic doors would open and all this cold air was rushing into the waiting room.

The architect spoke with the owner (again without our input) and told the owner we could adjust the equipment to pressurize the building.

We had to explain to architect that if there is just a 5 mile/hr breeze blowing towards the entry door, and the door opening is 6' x 7', that's the equivalent of over 18,000 CFM coming in the door.

This was more air than we had in the entire building.

Our recommendation was to add the second set of doors (to create the vestibule) that would minimize the time that both sets of doors were open to the space.

So the VE'd vestibule was added back to the project by change order and after the building was occupied. The problem largely went away.

Did Ya Know? (Cont'd)

Remember, we are now under the 2021 IECC in Shelby County.

- Vestibules have been required by the IECC as far back as 2012 (see 402.5.9 in 2021 version).
- The 2018 version of the IECC was amended as follows:

“The heating system for heated vestibules and air curtains with integral heating shall be provided with controls configured to shut off the source of heating when the outdoor air temperature is greater than 45° F. Vestibule heating and cooling systems shall be controlled by a thermostat located in the vestibule configured to limit heating to a temperature not greater than 60° F and cooling to a temperature not less than 85° F.”

The 2021 IECC has the same requirements.

So we may heat vestibules up to 60° when it's 45° or colder outside. We may cool the vestibule to 85°.

Be like this chapter member and send me your “situations.”

Mike Bilderbeck
Government Affairs Chair