

CURRENT BOG

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|---|--|
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| | Ryan Mathis Ph: 630.346.1716 |
| | Community Outreach: Lionel Davis II Ph: 901.713.1894 |

Meeting Location:

Lumalier
1931 Thomas Rd, Memphis, TN 38134, USA

BBQ lunch will be provided.

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2023-2024 MEMPHIS ASHRAE CALENDAR AND ANNOUNCEMENTS

Chapter Meetings/Events
Tuesday, October 10th – Standard 241 by David Skelton and Lumalier UV Plant Tour
Tuesday, November 14th –Standard 90.1 by Jim Riendeau
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
Tuesday, May 14th - TBD

Sponsor the Memphis Chapter of ASHRAE!

Memphis ASHRAE has a great way to for members to support our ASHRAE chapter and promote their business.

We are offering 2 tiers of support:

SPONSORS:

\$500 DONATION

You get:

- Name on Sponsors slide at EVERY chapter meeting for the year
- Name in EVERY monthly newsletter
- Special recognition at every chapter meeting

TOP SPONSORS:

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You get:

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- Full slide in EVERY newsletter
- Special recognition at every chapter meeting

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The Memphis Chapter of ASHRAE thanks you for your support!

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- Pictures
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- Contact Information



The Memphis Chapter of ASHRAE thanks you for your support!

Contact Robert Smith (Robert.Smith@carrierenterprise.com) to support your chapter today!

- *All donations will go to the RP campaign and are TAX DEDUCTIBLE
- *Sponsorship slides will be run before and after the speaker at every chapter meeting (virtual or in-person)
- *RP chair will confirm final slide layout before presentation

President's Corner:

Esteemed ASHRAE Memphis Members,

The 2023-2024 society year is now underway. I was proud to recognize many of our chapter members for their continual voluntary excellence to our ASHRAE Chapter as well as our Regional Governance. The following awards were given out at last month's meeting:

Chapter Service Award:

- Lionel Davis II
- Robert Smith
- Tom Bird
- John Colmer
- Evans Jack
- Casper Briggs

Regional Award of Merit:

- Casper Briggs

Certificate of Achievement for RP Excellence:

- Memphis Chapter
 - Chevrons Awarded:
 - Gold, Full Circle, Endowments, Goal

More honors will be given out in the following months. We love to recognize you for the amazing work you are already doing.

This week's presentation will wander into the controversial subject of decarbonization. If you would like to stay up to date with the researchers and scientists at ASHRAE are doing on this front, check out the [Task Force for Building Decarbonization](#) to stay up to date on performance standards, goals, etc. that the research community of ASHRAE think are realistic.

Looking forward to the tour and presentation!

Ryan Mathis
President, ASHRAE Memphis 22-23

Committee Updates

Government Affairs Committee:

Celebrate Energy Efficiency on October 4!

Energy Efficiency Day is October 4, 2023. It is a day dedicated to recognizing the importance of cutting energy waste, implementing energy efficiency, and other clean energy policies and programs, which can create economic opportunities and jobs while moving toward a sustainable future. As an annual event, ASHRAE urges elected officials to recognize this occasion with official proclamations and resolutions. To learn more about how to engage with your elected officials and for sample proclamations and cover letters, including proclamation templates for jurisdictions outside the U.S., ASHRAE members can visit the [Proclamation Toolkit section](#) of the ASHRAE website.

House E&C Subcommittee to Hold Hearing on Grid Reliability and Energy Efficiency Standards

On September 13th, the House Subcommittee on Energy, Climate, and Grid Security held a hearing entitled, "Keeping the Lights On: Enhancing Reliability and Efficiency to Power American Homes." The hearing reviewed legislation including the Protecting America's Distribution Transformer Supply Chain Act (H.R. 4167) and the DOE Appliance and Equipment Standards Reform and Consumer Protection Act; both pieces of legislation seek to limit U.S. Department of Energy (DOE) authority to prescribe new energy conservation standards. The discussion featured two panels: one panel featured staff from DOE and the Federal Energy Regulatory Commission (FERC), and the other panel featured members of the private sector and non-profit organizations. More information on the hearing can be found [here](#).

**Chapter Meeting Topics: "How UVC Can be Applied to ASHRAE's Decarbonization Efforts"
"ASHRAE Standard 241: Control of Infectious Aerosols"**

A presentation based on the official ASHRAE position on UVC energy for sustainable energy efficiency, IAQ and Maintenance Reduction. After accumulating years of anecdotal industry data about the energy and IAQ benefits achieved by treating HVAC cooling coils with cleansing UVC energy, ASHRAE (American Society of Heating, Refrigeration and Air Conditioning Engineers) organized a committee of engineers, academic researchers, manufacturers and end users to create an official ASHRAE handbook chapter on UV-C germicidal disinfection. First published in 2008, the handbook is regularly updated and to become the official guideline for all specifying engineers seeking sustainable facility Indoor Air Quality, Energy Efficiency, Reliability Centered Maintenance, Humidity control, and equipment lifecycle improvement. David presents all aspects of ASHRAE UVC information from both a historical and current perspective.

We will also be going over STD 241 requirements for facility managers during emergency situations and how UVC can address these concerns and be deployed to meet the new standards for Building Readiness Plans (BRP), Infection Risk Management Mode (IRMM), and new IAQ models and Equivalent Clean Air formulas.

Speaker Bio:



Presented by: David Skelton (Left) and Derrick Sears (Right)

David Skelton joined ASHRAE in 2005, and currently serves as the Vice-Chairman of the TC2.9 committee for UV Air and Surface Disinfection (serving as chairman June 2018- 2020). David is also a Voting Member of ASHRAE GPC-37, UVC for Upper Air; is a peer-review expert /commenter for ASHRAE submitted research; and is the co-owner of Evergreen UV, a Memphis-based manufacturer of Lumalier UV Germicidal fixtures.

Derrick Sears has been in the UVC industry for 12 years, working in roles from research, sales, product design, and industry speaker. He is a member of ASHRAE 62.1 IAQ, TC2.9 UVC, GPC37 Upper Air UVC, International UV association, and Airports International Commissioners.

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!

Did Ya Know?

We designed a distribution facility more than 4 years ago. It was a big tilt-up wall building, not located in west Tennessee.

The building included a 20,000 SF “office” area that included a break room, offices, cube farms, and meeting rooms. About 75% of the “office” area included carpet squares on the concrete slab.

It was built and everything was fine, until a few weeks ago.....one of our partners received a call and email from the developer/builder. They’d received a complaint from the occupant that **“all of the carpets in the office area are wet, now why is that?”** A small plan of the “office” area was included, with all carpet-bearing areas shaded.

The problem was brought to me because the partner that received the communication thought the issue might be HVAC-related.

I responded that concrete is not that smart, that if the concrete was so cold to cause condensation on carpeted concrete, it would also occur on bare concrete, and on VCT-covered concrete.

I chatted with our architects. We wondered if the vapor barrier had been omitted below the slab-on-grade. That didn’t make sense because the adjacent “bare concrete” spaces were not wet.

We decided to think about the issue over the weekend.

The following Monday, we received another call from the developer/builder, saying “never mind”.

Wait for it.....

They shampooed the carpet.

It’s annoying that some clients immediately jump to the conclusion of a design or construction error, especially after multiple years of operation.

Got any war stories? Send them to me.

Mike Bilderbeck
Government Affairs Chair