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<p>Meeting Location:</p> <p>The Learning Center Lichterman Nature Center 5992 Quince (between Lynnfield and Ridgeway, east of I-240)</p> <p>This year’s lunches will be provided through The BBQ Shop.</p> <p>Table of Contents: Page Two-Six – Sponsor the Chapter/ Top Sponsors/Sponsors Page Seven – President’s Corner Page Eight – Christmas Party Save The Date Page Nine-Ten – Topic Info/Speaker Bio</p>
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<p>2022-2023 MEMPHIS ASHRAE CALENDAR AND ANNOUNCEMENTS</p> <p>Chapter Meetings Tuesday, November 8th – The Future of Refrigerants by Stephen Kujak Tuesday, January 17th – Diversity, Equity, and Inclusion in STEM Fields: A Joint Conversation with ASCE by Dr. Stephanie Ivey Tuesday, February 14th – Decarbonizing Your Water Loop with Modular Heat Recovery Chillers by Scott Thompson Tuesday, March 14th – The Impact of The Built-Environment on Cognitive Functioning and Worker Productivity by Dr. Stephanie Taylor Tuesday, April 11th - TBD Tuesday, May 9th - TBD</p>

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President's Corner:

Our chapter meeting attendance has seen great engagement this year and the BOG is energized to keep the momentum.

In our October Chapter meeting we heard from Jackson Tiedmann, who discussed "How to Choose the Proper VFD for your Application". We had a great meeting and even better dialogue where Jackson provided some insights for the varying VFD applications. We also outkicked our lunch coverage which led to us running completely out of food! While it is a good problem to have, best practice would be for an accurate RSVP with a reasonable plus/minus. Please RSVP.

Calling all Young Engineers of ASHRAE, on Thursday, 11/3 from 5:00pm-7:00pm, please join us for a joint AIA x ASHRAE YEA Happy Hour & Networking event at the Beale Street Landing. You can RSVP using the link provided here: <https://www.aiamemphis.org/draftclub>.

The chapter also had two BOG members selected to represent the region and participate in the LeADRS program at the Winter Conference & AHR Expo in Atlanta February 3-8th. It is an all-expense paid experience aiming to better equip and expose members to the broader workings of ASHRAE. It is an honor usually given to one person per region but, our region received approval for two, both of which from our chapter. Congrats!

LinkedIn Users- Please follow and engage with our posts and community. The goal is to continue increasing brand notoriety while driving more awareness of our industry and best practices.

Link to page: <https://www.linkedin.com/company/ashrae-memphis-chapter/>

Our next general body chapter meeting will be on November 8th at 11:30am and will feature Stephen Kujak who is speaking about "The Future of Refrigerants". This topic was widely supported and I'm sure it will make for a great presentation and discussion.

We look forward to seeing you and are continuing to encourage RSVP'ing via the calendar invites we send.

"In every community, there is work to be done. In every nation, there are wounds to heal. In every heart, there is the power to do it."

– Marianne Williamson

Sincerely,

Lionel Davis, II
President, ASHRAE Memphis 22-23

SAVE THE DATE!

ASHRAE MEMPHIS CHAPTER
CHRISTMAS PARTY

LOCATION: MAJESTIC GRILL

DATE/TIME: DEC 8TH @ 5:30PM

MORE INFO TO COME SOON

WE'LL SEE YOU THERE!



Chapter Meeting Topic: The Future of Refrigerants

New societal environmental demands to control climate change are driving the development of new regulatory policies to restrict and lower the direct GWP (global warming potential) impact of F-gases. The HVAC&R industry is currently being challenged to invest significant resources to understand the best refrigerants that meet the above requirements. However, there are many uncertainties and challenges given the ever-changing global regulatory environment, within regions, country, state, and sometimes locally by city.

Safe non-flammable low toxicity F-gases allowed for an exponential increase in the standard of living of society through increased food productivity, reduction in heat related deaths, increased worker productivity and migration of people to cities and to hotter climates. The orderly transition from CFCs to HCFCs and HFCs achieved a balance between the societal environmental demands for reduced ozone depletion while continuing to improve the standard of living in developing countries and minimize the societal safety (nonflammable refrigerants) impacts for everyone.

Today, designers are being asked to consider new lower direct GWP unsaturated hydrofluorocarbons (HFOs) refrigerants, some of which are slightly flammable under certain conditions, as well as revisiting the application of natural refrigerants, like carbon dioxide, ammonia, hydrocarbons, and water.

This presentation will provide an update on new lower GWP alternatives introduced into the marketplace and it will highlight some important considerations, particularly flammability, that engineers, designers, and building owners should keep in mind regarding next-generation refrigerants.

Chapter Speaker Bio:



Speaker: Steve Kujak

Steve Kujak is the director of Next Generation Refrigerants Research for Trane Technologies (divisions include Trane and Thermo King). Over the past 30 years, he has been involved in technology development of new refrigerants, absorption chillers and IAQ cleaning technologies. Steve has been an author or co-author on 50+ publications related to refrigerants and has 30+ patents related to HVAC products.

Steve has been member of ASHRAE since 2005 and is a distinguish member and lecturer for ASHRAE and is involved in numerous refrigerant safety and use standards used globally by the HVACR industry. He is the past chair of ASHRAE Standard 34 “Designation & Safety Classification of Refrigerants” and the vice-chair of the Refrigeration Committee Technology Committee for Comfort, Process, and the Cold Chain (REF-CPCC).

Steve lives with his wife Annette on the Mississippi River in Brownsville, Minnesota where they both enjoy the beauty the drift-less region provides. Steve holds Bachelor of Science in Chemistry from the University of Wisconsin-La Crosse.