

Technical Tour - TBD

Location: TBD

Monday, March 6th 2023

5:30 PM Check-In / Networking

5:50 PM Announcements

6:00 PM Presentation

New Meeting Location!

Grundfos Pumps Corp. - Training Center

9300 Loiret Boulevard

Lenexa, Kansas 66219

RSVP at <https://www.kcashrae.org/>

Deadline: Midnight TBD

\$25 = Online before deadline

\$30 = after RSVP deadline

*If you haven't prepaid for a meeting, you are **required to pay cash or check at the door**. Invoicing is not an option.

No show will not be refunded

PDH Available

Boxed Lunches & Refreshments provided!

President's Message

Champions

Something put me in mind of Champions for the topic this month....

ASHRAE's championship competition, if you will, is the Technology Awards. To bring a championship home in Technology Awards, you first have to do championship work and then you have to *enter!* [Applications](#) are due to the chapter March 1. Kansas City likes champions, we have the talent and we've seen what happens when a team works together and works hard. You can do that too. Every month if not every week, we see an opportunity to do what we always do or do it a better way. It's been a while since Kansas City has brought home a win in the Technology Awards. Past Kansas City winners include Jeffrey Ewens, Blake Ellis and James Megerson.

The purpose of the ASHRAE Technology Awards is threefold:

1. To recognize ASHRAE members who design and/or conceive innovative technological concepts that are proven through actual operating data.
2. To communicate innovative systems design to other ASHRAE members.
3. To highlight technological achievements of ASHRAE to others, including associated professionals and societies worldwide, as well as building and facility owners.

ASHRAE honors only buildings or processes that are outstanding in design innovation.

ASHRAE calls our MVPs Fellows. The week before that other championship, ASHRAE announced this year's newest fellows. And we have another MVP in our Kansas City chapter. Our own Kelley Cramm joins Kansas City Fellows: Dr. Naim Azer, Kenneth Clark, Dr Byron Jones, David Peterson, Dr. Donald Fenton, Dr Bryan Becker, Blake Ellis, Dr Mohammad Hosni, Brian Rock, Dr Julia Keen and Dr. Richard Hayter. Fellows are long-term members who have attained distinction and made a substantial contribution in HVAC&R and the built environment. The other 12 new Fellows hail from around the country and around the world including North Carolina, Hong Kong, Georgia, Pennsylvania, Germany, Pakistan, United Kingdom, India, Massachusetts, Virginia, and Oregon. Congratulations Kelley!

Several chapter committees have events for the spring in the works. Read on and stay tuned. We have had several people reach out with offers to sponsor or host some of these events. Thank you to all our supporters. Join us for our March evening tour. Our Board meetings continue to be open to members as well. See the events page on the website for information on how to join.

Amy Stadler

KC Chapter President 2022-23

Membership Promotion

The Kansas City Chapter Membership Promotions committee and the Board of Governors would like to thank our chapter for participating in this year's second annual Membership Promotion event hosted at BCS. The MP Casino night was a popular event again and well attended given the imminent inclement weather!



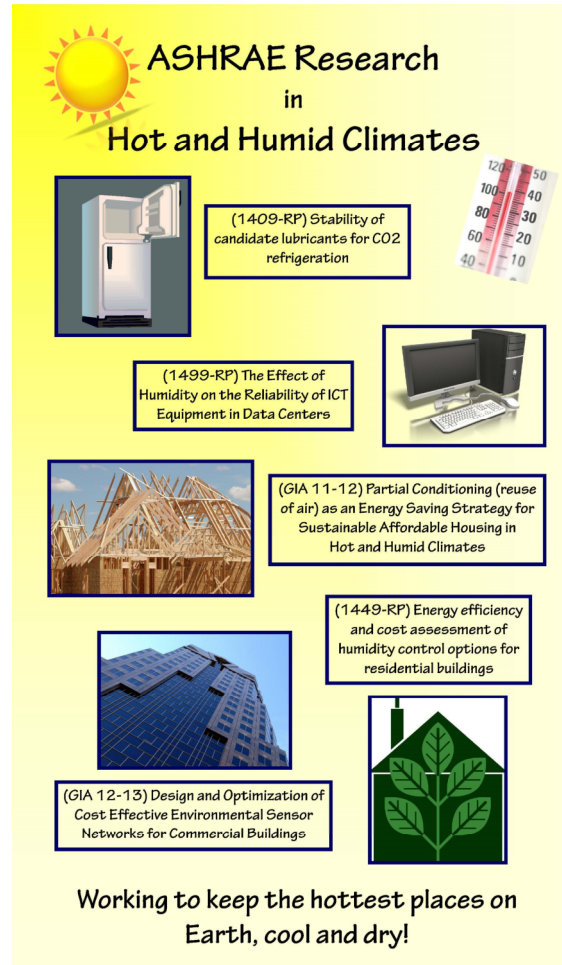


2022-2023 Research Promotion

Donors

- ▶ Bryan Babcock
- ▶ Larry Navran
- ▶ Prosoco Inc.
- ▶ Burns & McDonnell
- ▶ Amy Stadler
- ▶ Michelle Beck
- ▶ Mark Snyder
- ▶ Alan Sparling
- ▶ Andrea Phillips
- ▶ Jennifer Nelson
- ▶ Blake Ellis
- ▶ Donald Gray
- ▶ P1 Group
- ▶ Kelley Cramm
- ▶ Frank Schroer
- ▶ Trevor Jones
- ▶ Stuart Braden
- ▶ Jonathan Smith
- ▶ Kevin Juhl
- ▶ Jorban Riscoe
- ▶ Blackmore & Glunt
- ▶ NSC

Thanks for your donations!



ASHRAE Research
in
Hot and Humid Climates

(1409-RP) Stability of candidate lubricants for CO2 refrigeration

(1499-RP) The Effect of Humidity on the Reliability of ICT Equipment in Data Centers

(GIA 11-12) Partial Conditioning (reuse of air) as an Energy Saving Strategy for Sustainable Affordable Housing in Hot and Humid Climates

(1449-RP) Energy efficiency and cost assessment of humidity control options for residential buildings

(GIA 12-13) Design and Optimization of Cost Effective Environmental Sensor Networks for Commercial Buildings

Working to keep the hottest places on Earth, cool and dry!

The poster features a sun icon, a thermometer, a refrigerator, a computer monitor, a house under construction, a modern building, and a green house icon with a plant.

For over 25 years, the best trade show and networking event
for commercial real estate industry professionals!

KANSAS CITY COMMERCIAL REAL ESTATE EXPO

GOING TO KANSAS CITY



MAY 17, 2023 | UNION STATION

EDUCATION
NOON - 2:00PM
TRADE SHOW
2:00-5:00PM

For those in ASHRAE who want to be an EXHIBITOR & purchase booth space, please follow the link below:

<https://www.kcexpo.org/exhibit>

For ASHRAE KC's discount, please contact Jim Noe at (913) 915-1681.



Proper Golf Attire:
✓ No Jeans
✓ Shirt with Collar

Soft Spikes Required

47th ANNUAL ASHRAE GOLF TOURNAMENT
4-PERSON SCRAMBLE FORMAT
(A & B Flights - 18 Hole Course)

FRIDAY, MAY 19, 2022

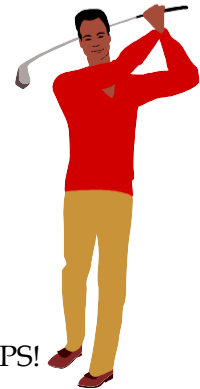
ST ANDREWS GOLF CLUB

11099 W 135th St., Overland Park, Kansas 66221

8:00am Shotgun format. Breakfast and lunch provided.

1:30pm Shotgun format. Lunch and dinner provided.

ALL PROCEEDS GO TO RESEARCH PROMOTION AND SCHOLARSHIPS!



Registration/Reservation

Registration Opening: Monday, February 13th

Registration Deadline: Friday, May 5th

Lunch Sponsor (\$1,500) – includes signage for lunch in dining area and logos on lunch boxes, sponsorship announcement during morning awards and afternoon announcements, team registration and hole sponsorship. (Limit to 1 Sponsor)

Beverage Cart Sponsor (\$1,500) – includes logo on one of the beverage carts for all rounds, team registration and hole sponsorship. (Limit to 2 Sponsors)

Golf Ball Logo Sponsor (\$1,300) – includes logo golf balls provided to all participants.

Breakfast Sponsor (\$1,000) – includes signage for breakfast next to breakfast burrito station, sponsorship announcement during morning announcements, team registration and hole sponsorship. (Limit to 1 Sponsor)

Dinner Sponsor (\$1,000) – includes signage for dinner in dining area, sponsorship announcement during afternoon awards, team registration and hole sponsorship. (Limit to 1 Sponsor)

Hole Sponsor (\$800) – includes signage at 1 hole on the course and team registration. \$250 without team registration.

Team Registration (\$600) – 4-person team, greens fees, cart rental, 3 x drink tickets, and breakfast/lunch or lunch/dinner.

Game/Tent Hole Sponsor (\$600) – allows 2 people at a hole for a game (John Daly long drive, bags, etc.), alcohol available for purchase from the course.

Registration online at www.kcashrae.org or mail check (payable to ASHRAE/KC Chapter) along with registration to Joe Maness, Hoefler Welker, 11460 Tomahawk Creek Pkwy Suite 400, Leawood, KS 66211, or email to joe.maness@hoeflerwelker.com, asparling@p1-service.com, and jreed@mcqueenengroup.com.

National News Updates

DOE Proposes Efficiency Rules for Gas Stoves

The U.S. Department of Energy (DOE) is proposing new efficiency standards for cooking tops and ovens, including gas stoves. Specifically, the cap of 1,204 kBtu units per year in energy consumption for domestically produced and imported gas stove tops would take place three years after the regulation is published. There has been noticeable pushback from consumers since Consumer Product Safety Commissioner Richard Trumka Jr. stated that the agency should consider regulating or even banning gas stoves. (Since that time, CPSC walked back that statement with the Commissioner issuing a statement clarifying his position and stating that he is not looking to ban gas stoves and the CPSC has no proceeding to do so.)

The proposed DOE regulation would seek to eliminate the sale of products with constantly burning pilot lights and linear power supplies. The Appliance Standards Awareness Project has publicly recognized that the proposed rules are simply to ensure that new models of stove tops are more efficient.

EPA Releases Guidance on the Greenhouse Gas Reduction Fund

On February 15, the U.S. Environmental Protection Agency (EPA) published its initial guidance on the Greenhouse Gas Reduction Fund program, which was created by the Inflation Reduction Act. Funding of \$27 billion will be available at a later date for private capital investments in clean energy and air; the guidance outlines key factors proposals for the funding will need to address. Announcing how the program will be designed will help stakeholders position themselves to productively engage in applying for the funding. For more information about the program, please visit:

<https://www.epa.gov/newsreleases/epa-announces-initial-program-design-greenhouse-gas-reduction-fund>

State News Updates

State of Missouri Issues Proclamation for National Engineers Week

Missouri Governor Michael Parson issued a formal proclamation to formally recognize February 19-25 as Engineers Week (EWeek) in the state of Missouri. Founded by NSPE in 1951, EWeek is dedicated to ensuring a diverse and well-educated future engineering workforce by increasing understanding of and interest in engineering and technology careers.

Today, EWeek is a formal coalition of more than 70 engineering, education, and cultural societies, and more than 50 corporations and government agencies. Dedicated to raising public awareness of engineers' positive contributions to quality of life, EWeek promotes recognition among parents, teachers, and students of the importance of a technical education and a high level of math, science, and technology literacy, and motivates youth, to pursue engineering careers in order to provide a diverse and vigorous engineering workforce. Each year, EWeek reaches thousands of schools, businesses, and community groups across the U.S.

Other News Updates

Emissions from the Power Sector Reached New High in 2022

According to the International Energy Agency (IEA), the world saw power sector emissions grow from 13 metric gigatons in 2021 (a previous record high) to 13.2 metric gigatons in 2022. The IEA associates the rise in emissions mostly with the Russian Invasion of Ukraine, which caused Europe to shift to a more coal-intensive energy portfolio which increased carbon-intensity of its grid. While the growth may seem to be trending in the wrong direction, the IEA sees the situation as more of an anomaly, and still expects to see annual emissions from power plants plateau by 2025 at around 10.8 metric gigatons. The trajectory will depend largely on the actions of China, which is projected to account for 45 percent of global growth in zero-emission power sources, and India which plans an expansion in nuclear power by 81 percent.

Spending on Clean Energy and Electric Vehicles Surpasses Fossil Fuels for First Time

Financing the clean energy revolution will not be cheap. In 2022 global investment in low-carbon energy and electric vehicles exceeded \$1 trillion for the first time, with \$546 billion spent in China. Spending on clean energy has diversified from solely renewables to include hydrogen, nuclear power and carbon capture. Of the \$1.1 trillion, renewable energy received \$495 billion, electric vehicles and charging infrastructure received \$466 billion, and despite a relatively smaller investment hydrogen technology saw its investments triple. However, even investments of this magnitude will not be sufficient to meet the goal of the Paris Agreement, which would require triple the investment in low-carbon energy.

sources:

- GovAffairs@ashrae.org
- <https://www.nspe.org/resources/partners-and-state-societies/engineers-week>
- <https://discovere.org/engage/engineers-week/>

KC ASHRAE - 2022/2023 Board of Governors

Position	Name	E-Mail Address
President	Amy Stadler	astadler@fscmep.com
President Elect	Mark Snyder	marksnyder@jorban-riscoe.com
Vice President	Michelle Beck	mbeck@dmi-kc.com
Treasurer	Jennifer Nelson	jennifer.nelson@hendersonengineers.com
Secretary / Newsletter	Alan Sparling	asparling@p1-service.com
BOG At-Large	Ian Kobler	ian.kobler@crbgroup.com
BOG At-Large	Meagan Gibbs	meagan.gibbs@hendersonengineers.com
Past President	Ann Peratt	ann.peratt@pkmreng.com

KC ASHRAE - 2022/2023 Committee Members

Position	Name	E-Mail Address
Built Environment Partners	Jim Noe	jnoe@epluses.com
CTTC/Programs	Michelle Beck	mbeck@dmi-kc.com
CTTC host	OPEN	-
DiA/Diversity in ASHRAE	Kristin Phelps	kphelps@DLRGROUP.com
DiA Co-Chair	OPEN	-
Golf	Joe Maness	joe.maness@hoeferwelker.com
Golf	Joe Reed	jreed@mcqueenysgroup.com
Govt. Grassroots	Ian Kobler	ian.kobler@crbgroup.com
Govt. Grassroots - Incoming	OPEN	-
Govt. Grassroots	Greg Paulsen	gpaulsen@trianglesales.com
Historian	Stuart Braden	Stuart.G.Braden@imegcorp.com
Historian - Incoming	OPEN	-
Honors and Awards	Jim Noe	jnoe@epluses.com
Membership Chair	Jake Bonkowski	jbonkowski@bldgcontrols.com
Membership Co-Chair	Dan Moresi	dmoresi@bldgcontrols.com
Membership Committee	Charlie Thomeczek	Charles@metroair.com
Product Directory	Greg Paulsen	gpaulsen@trianglesales.com
Refrigeration	Kenneth Holaday	kenneth.holaday@powereng.com
Research Promotion	Mark Snyder	marksnyder@jorban-riscoe.com
Research Promotion Event	Bailey White	Bailey@lankfordfendler.com
Social Media	Ruben Salinas	ruben.salinas@spur-design.com
Student Activities Chair	Jessica Spottek	Jessica.Spottek@hendersonengineers.com
Student Activities Co-Chair	Chris Swingle	cswingle@nscapg.com
Sustainability Co-Chair	Rob Lippold	rlippold@aesk.com
Sustainability Co-Chair	Larry Navran	Larry.Navran@se.com
Sustainability Committee	Ruben Salinas	ruben.salinas@spur-design.com
YEA Co-Chair	Ryan Mustain	ryanm@aap-kc.com
YEA Co-Chair	Austin Miller	austin@mexicoheating.com
YEA Committee	Evan Reese	emreese@burnsmcd.com
YEA Committee	Tyler Stroud	tstroud@mechsales.com
YEA Committee	Kelsey Moss	kcmoss@burnsmcd.com
YEA Committee	Joe Reed	jreed@mcqueenysgroup.com
Webmaster	Bobby Caffrey	bobby@chopair.com

Burns & McDonnell is looking for unique staff and senior level mechanical engineers that has a desire to apply their technical design experience, while actively engaging their entrepreneurial spirit. Looking for more direct client and end-user interaction? We've got it.

Whether you enjoy working with clients that are commercial, military, domestic, or international, you will have the opportunity to use those leadership and people-skills that sets you apart from your peers. You will be involved in a variety of unique design and design/build projects, from aircraft maintenance hangars and aircraft paint hangars to central plants to laboratories to international training facilities and flight simulator/training facilities and explosives research and production facilities. Be a part of an energy-filled work- place that pays for performance, where you can invest in a career that you can grow into project management or business development opportunities. We have two positions available for lead mechanical engineers with 6 to 15 years of experience in a variety of facility mechanical systems and subsystems for DoD, DOE, and Aviation projects including: chiller plants, steam and hot water boiler plants, HVAC systems, plumbing systems, steam distribution systems, hydronic systems, or whatever else you want to bring to the table. You will work with the project team throughout the design and construction process, adapting mechanical plans according to budget constraints, design factors or client needs.

If you are interested, please reach out to Rob Jordan, Mechanical Department Manager for Aviation and Federal – rjordan@burnsmcd.com or (816) 830-6190. Or visit burnsmcd.com/careers.



Are you looking for quality Engineers, Contractors, or Sales Representatives involved in the ASHRAE community, but don't know where to advertise your job posting?

KC ASHRAE has a solution for you! **A half page job posting** can be advertised in the Breeze and on the website for a **\$100 RP** donation (per posting, per month).

Please contact Alan Sparling at asparling@pl-service.com if you are interested in advertising in the Breeze and online. No charge for Universities in the chapter.