Quick Links

This Month's Meeting
Last Month's Meeting
Annual Sponsors
Research Promotion
GAC
Student Activities
Roster

ASHRAE Houston Chapter's

THE HOT AIR RECORDER

78th Volume

No. IX

May

Sun	Mo	Tue	We	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

19

Monthly Chapter Meeting

Please join us for our monthly chapter meeting from 11:30 AM - 1:30 PM at the AIA office as we welcome Dave Schurk to present, "Keeping Doc's Cool, Dry, & Happy… Can I Do It With What I've Got?" Register here.

31

Student Night/Refrigeration Night

Student night/refrigeration night will be a tour of the Daikin Texas Technology Park held on May 31st. Details are forth-coming!

BE ON THE LOOKOUT FOR THE FINAL RP EVENT OF THE YEAR!

More information will be emailed about this exciting opportunity to raise funds for Research Promotion.

If you're interested in sponsoring this event, please reach out to Catherine Tinkler.



INTERESTED IN GETTING MORE INVOLVED WITH THE HOUSTON ASHRAE CHAPTER?

Take advantage of all the opportunities one of the largest ASHRAE Chapters can provide for your career! There are several positions open for the 2022-2023 year.

Contact Josh Vanlandingham and/or Garrett Neubauer for more info.



2022 ASHRAE ANNUAL CONFERENCE

JUNE 25-29, 2022 | TORONTO, ON, CANADA

REGISTER

Quick Links

This Month's Meeting

Last Month's Meeting

Annual Sponsors

Research Promotion

GAC

Student Activities

Roster

MONTHLY MEETING

"KEEPING DOC'S COOL, DRY, & HAPPY... CAN I DO IT WITH WHAT I'VE GOT?"



Many times, healthcare facility professionals have "inherited" older HVAC systems which were installed in their hospital at the time of its original construction. These systems may be incapable of delivering the critical level of environmental control necessary in today's ever demanding patient care model. This technical session will give these professionals a fundamental understanding of the basic principles that must be considered in order to properly control their hospital operating room (OR). It will establish how temperature and humidity interact to create a satisfying and productive healthcare environment and provide information to assist the healthcare facility professional in analyzing a hospital OR when troubleshooting the space due problems. Various HVAC retrofit scenarios to remedy ailing OR's will also be discussed.

During this technical presentation you can expect...

- Exploration of the fundamentals of various HVAC system types serving hospital OR's, including traditional chilled water, DX split systems, low temp glycol chillers, and both solid andliquid desiccant dehumidification units.
- Learn how minimum code and compliance requirements for temperature and relative humidly align within the real-world operational capabilities of legacy HVAC systems installed in many existing hospital facilities.
- Recognize the limitation of traditional HVAC systems delivering 42°F CWT, and why they may "miss the mark" when trying to produce the desired OR environment.
- Understand what surgeons really mean when they insist that the OR be made colder and what issues may arise when attempting to satisfy their demands.
- Identify various HVAC system retrofit scenarios to remedy ailing ORs.

GET TO KNOW THE SPEAKER: DAVE SCHURK

David Schurk DES., CEM., LEED-AP., CDSM., CWEP., SFP., CIAQM., HCCC., and ASHRAE Distinguished Lecturer is Director-Healthcare and Applied Engineering Markets for Global Plasma Solution in Charlotte, NC. He has over 38-years of experience in the design and analysis of heating, ventilating, and air-conditioning systems for a variety of market sectors, with a special focus on healthcare and aerospace environmental control and air quality.

MAY 19TH, 2022

$25– ADVANCED REGISTRATION

$30– AFTER 4PM SEPTEMBER 23RD

$35– ALL NON-MEMBERS

CLICK HERE TO REGISTER

Quick Links

This Month's Meeting
Last Month's Meeting
Annual Sponsors
Research Promotion
GAC
Student Activities
Roster

LAST MONTH'S MEETING



PAST PRESIDENT'S NIGHT









Quick Links

This Month's Meeting
Last Month's Meeting
Annual Sponsors
Research Promotion
GAC
Student Activities
Roster

ANNUAL SPONSORS

PLATINUM

VICON EQUIPMENT

Nailor® Industries Inc.

TEXAS AIRSYSTEMS

Johnson Controls

GOLD

Carrier

CONVERGENTZ™

SILVER

ROESSLER EQUIPMENT COMPANY, INC.

Oslin Nation Co.
Hydronic and Plumbing Solutions Since 1943

BRONZE

DistribAire, Inc.
Quality HVAC Products

Willbanks
THINK BOILER. THINK WILLBANKS.

AEI Affiliated Engineers

Page/

MEMBERSHIP

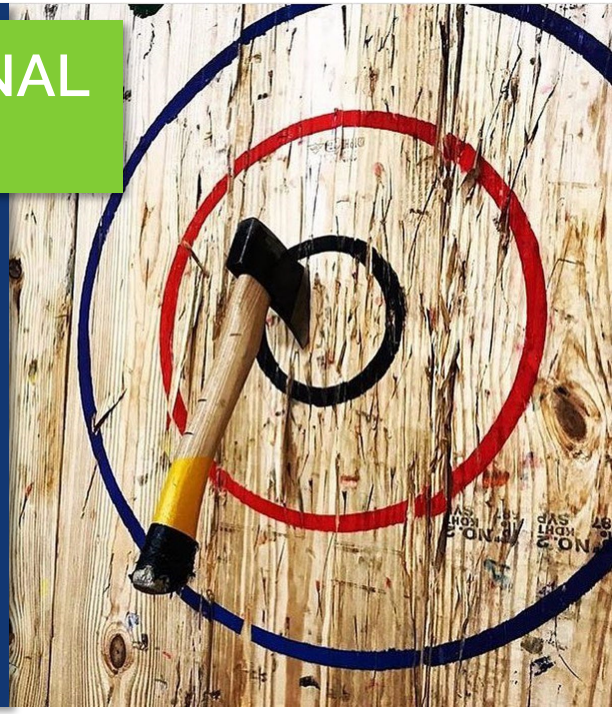
CALEFFI
Hydronic Solutions

Quick Links

This Month's Meeting
Last Month's Meeting
Annual Sponsors
Research Promotion
GAC
Student Activities
Roster

RESEARCH PROMOTION

BE ON THE LOOKOUT FOR THE FINAL RP EVENT OF THE YEAR!



More information will be emailed about this exciting opportunity to raise funds for Research Promotion.

If you're interested in sponsoring this event, please reach out to Catherine Tinkler.

THANK YOU!







Special thanks to the Houston HVAC Community for coming together for all of our events in support of ASHRAE Research Promotion! It was a very successful year that wouldn't have happened without you!

Quick Links

This Month's Meeting
Last Month's Meeting
Annual Sponsors
Research Promotion
GAC
Student Activities
Roster

Government Advocacy

Mayor Sylvester Turner Signs Sweeping Decarbonization Policy for City Buildings

Today, Mayor Sylvester Turner signed a sweeping decarbonization policy for City-owned and operated buildings, following the recent release of the two-year update on Resilient Houston and the Climate Action Plan (CAP). As the CAP outlines, buildings represent over 40% of both municipal and city-wide emissions, making them a key lever for achieving the CAP's emission reduction targets (40% from 2014 levels by 2030, 75% by 2040, and 100% by 2050). This policy addresses the emissions associated with the City's 550+ buildings, by:

Promoting a shift away from onsite combustion of fossil fuels and their associated health impacts

Targeting a five percent annual reduction in consumption of energy and water across most of the City's building portfolio, and decreasing and diverting building waste

Promoting readiness for onsite renewable power generation and electric vehicle charging

Shifting procurement to lower-impact building equipment and building materials

Investing in the City's workforce and its capacity to manage high-performing buildings, including designating new building decarbonization staff across five City departments

"This Earth Day, we are doubling down on our efforts to reduce the City's emissions and make City buildings more sustainable and resilient," stated Mayor Turner. "The benefits of this policy change will extend far beyond my term as mayor. This is the first step, and I am confident that we are setting up the City to be both an example for the wider Houston community and a leader in Texas in designing, constructing, and maintaining buildings that are more resilient, consume less energy, and produce fewer greenhouse gas emissions."

The Mayor's Office of Resilience and Sustainability, with the support of climate action nonprofit RMI, shepherded the development of this policy, in concert with various City departments that manage City buildings, including General Services, Houston Public Works, Parks and Recreation, and the Houston Airport System.

The City estimates that implementing this policy will avoid over 250,000 metric tons of greenhouse gas emissions (over 40% of the City's direct, or Scope 1 and 2, emissions in 2019) by 2030. It will also pay for itself in as little as six to seven years, primarily through energy savings. Achieving the aims of the policy could save the City $20 million in energy costs in 2030 alone, compared to business as usual. At the same time, the federal Infrastructure Investment and Jobs Act adds to available funding and financing to support these efforts, making the economics even better for Houston. In January of this year, the White House announced $1.8 billion from the IIJA for state and local governments to expand building retrofits and policies, on top of other existing programs.

"By signing this policy to decarbonize municipal buildings, Mayor Turner continues to lead by example, demonstrating how ambitious action by local government can result in broader community impacts," stated Michael Donatti, Senior Associate at RMI. "Houston joins other leading cities, like Washington, D.C., and Atlanta, Georgia, in leveraging government-owned assets to pioneer innovative energy, decarbonization, and resilience solutions."

Elements of the City's new policy directly support Texas grid resilience efforts. New energy performance targets, energy efficiency standards, and guidelines around demand response will reduce the City's strain on the state's electric grid, leaving the community better prepared for extreme weather events. The policy also lays the groundwork for the City to engage further with the private sector in reducing building energy impacts and increasing resilience across Houston.

Priya Zachariah, Houston's Chief Resilience and Sustainability Officer, shared, "As we have seen during natural disasters such as the Winter Storm, many of our homes are not built or maintained with energy performance in mind. This leads to high energy bills on a good day, and life-threatening conditions on a bad day if the power goes out. We are very excited to make this commitment as a City to advance climate action, resilience, and equity through our built environment."

For more questions on the Municipal Building Decarbonization and Benchmarking Policy, or to get involved in implementation, please contact the Mayor's Office of Resilience and Sustainability.

About the Mayor's Office of Resilience and Sustainability

The Mayor's Office of Resilience and Sustainability is responsible for implementing Resilient Houston and the Houston Climate Action Plan (CAP). Together, these documents provide a clear framework to foster the growth of a Houston that is both a healthy place to live, as well as an equitable, inclusive, and affordable city that leads in climate mitigation and adaptation and offers a transformative economy that builds forward. To learn more about the CAP or Resilient Houston, visit www.greenhoustontx.gov.

About RMI

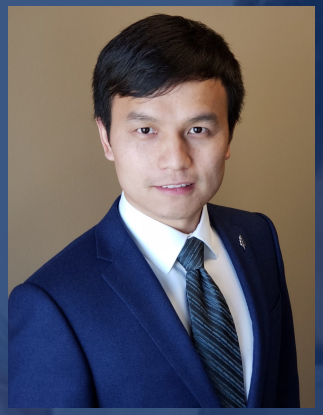
RMI is an independent nonprofit founded in 1982 that transform global energy systems through market-driven solutions to align with a 1.5°C future and secure a clean, prosperous, zero-carbon future for all. We work in the world's most critical geographies and engage businesses, policymakers, communities, and NGOs to identify and scale energy system interventions that will cut greenhouse gas emissions at least 50 percent by 2030. RMI has offices in Basalt and Boulder, Colorado; New York City; Oakland, California; Washington, D.C.; and Beijing.

Quick Links

This Month's Meeting
Last Month's Meeting
Annual Sponsors
Research Promotion
GAC
Student Activities
Roster

STUDENT ACTIVITIES

STUDENT ACTIVITIES CO-CHAIRS



JIAJUN "FRANCIS" LIAO



ELMER WHITEHEAD

Student Activities Updates

The Student Night Event will be held on May 31 at the Daikin plant. More details about the event will be released soon. All students are very welcome to attend.

We encourage students to sign up as ASHRAE members for the SmartStart Program! Learn more about it here: Watch: ASHRAE's Smart Start Program!

Quick Links

This Month's Meeting
Last Month's Meeting
Annual Sponsors
Research Promotion
GAC
Student Activities
Roster

ROSTER

Position	Full Name	Phone	Email
Chapter President	Mr Josh Vanlandingham, PE	(713) 515-3726	jjvanham@gmail.com
Chapter President Elect	Mr John G Neubauer, PE	(713) 871-8484	gneubauer@pagethink.com
Chapter Vice President	Catherine A Tinkler	(713)203-9267	ctinkler@foscd.com
Chapter Treasurer	Mr. Ayman Ashkar	(713) 914-0888	aashkar@dbrinc.com
Chapter Secretary	Mr. Nick Janssen	(832) 342-9276	Nick.Janssen@texasairsystems.com
Chapter Board of Governors	Greg Tinkler	(713)658-2206	gtinkler@yahoo.com
Chapter Board of Governors	Mr Bruce L Flaniken, PE	(832)473-1989	BLFlaniken@houstonmethodist.org
Chapter Board of Governors	Mr Kenneth Shifflett	(713)828-2329	kshifflett@distribaire.com
Chapter Board of Governors	Mr Michael Langton, PE	(832)867-7149	mlangton@langtonenergy.com
Chapter Board of Governors	Mr Keith H Reihl, PE	(713)459-1044	reihl@swbell.net
Chapter Delegate	Mr John G Neubauer, PE	(713) 871-8484	gneubauer@pagethink.com
Chapter Alternate	Catherine A Tinkler	(713)203-9267	ctinkler@foscd.com
Chapter Technology Transfer Chair	Mr John G Neubauer, PE	(713) 871-8484	gneubauer@pagethink.com
Chapter Commissioning Chair	Mr David A MacLean	(713)857-6499	david.maclean@mcmaccx.net
Chapter Grassroots Government Advocacy Co-Chair	Mr Keith H Reihl, PE	(713)459-1044	reihl@swbell.net
Chapter Grassroots Government Advocacy Co-Chair	Mr Kenneth Shifflett	(713)828-2329	kshifflett@distribaire.com
Chapter Historian	Mr Bruce L Flaniken, PE	(832)473-1989	BLFlaniken@houstonmethodist.org
Chapter Honors and Awards	Mr Robert (Alan) Neely	(281)432-9864	alan.neely@owenscorning.com
Chapter Membership Promotion Co-Chair	Mr Jeffrey B Hunter	(713)939-6098	jeff.hunter@carrier.com
Chapter Membership Promotion Chair	Mrs Shannon Tawney Yancey	(832)523-6619	Shannon.yancey@caleffi.com
Chapter Refrigeration	Mr Manuchehr Mehdizadeh	(832) 660-5450	mmz@roxara.com
Chapter Research Promotion Chair	Catherine A Tinkler	(713)203-9267	ctinkler@foscd.com
Chapter Student Activities Chair	Mr Jiajun "Francis" Liao, PhD, EIT	(346) 339-7173	liaojiajun142857@hotmail.com
Chapter Student Activities Co-Chair	Mr Elmer Whitehead	(713) 348-6369	ew16@rice.edu
Chapter Sustainability Chair	Mr Steven Stelzer	(832)-394-9050	steve.stelzer@houstontx.gov
Chapter Women in ASHRAE Chair	Miss Lauren Ramos	(713)783-7707	lramos4321@hotmail.com
Chapter Women in ASHRAE Co-Chair	Mrs Krista Villanueva	(832) 317-1512	KVillanueva@gulfcoastboiler.com
Chapter YEA Chair	Tim Navarro	(281) 253-5028	Tim.Navarro@Carrier.com
Chapter Newsletter Editor	Ms Julie A Thomet	(936)523-0556	Juliet@mjec.com
Chapter Webmaster	Mr Jack W. Kolar	(832) 759-4227	jackoolair@outlook.com