

Quick Links

- [This Month's Meeting](#)
- [Last Month's Meeting](#)
- [Annual Sponsors](#)
- [Membership](#)
- [Treasurer](#)
- [Research Promotion](#)
- [Technology Awards](#)
- [GGAC](#)
- [HVAC Design Training](#)
- [YEA](#)
- [DIA](#)
- [Student Activities](#)



ASHRAE Houston Chapter's THE HOT AIR RECORDER

79th Volume

No. 3

October						
Sun	Mon	Tue	Wed	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		1				

OCT.
27

NOV.
2

Monthly Meeting

Join us **in person** at The University of Houston Downtown—**Robertson Auditorium** from **10-11:30AM** on **October 27th** for a panel discussion on **Sustainability + Decarbonization**, co-hosted by Women in ASHRAE. These women leaders showcase not only their expertise but also encourage others to pursue roles in the industry. [Register here.](#)

YEA Happy Hour

Join us for YEA's November HH Part 1

Sponsored by Roessler Equipment

Date / Time: November 2nd from 4-7PM
Location : Bobcat Teddy's

2803 White Oak Dr, Houston, TX 77007



11/15/2022
The Golf Trails of The Woodlands
2311 N Millbend Dr
The Woodlands, TX 77380

TEAM OF 4- \$875

REGISTRATION 11:00 AM
LUNCH 11:30 AM
SHOTGUN START 12:30 PM

SPONSORSHIP OPPORTUNITIES

Tailgate Sponsor.....	\$2,500.00
Dinner Sponsor.....	\$2,000.00
Beverage Sponsor.....	\$1,750.00
Golf Ball Logo Sponsor.....	\$1,500.00
Lunch Sponsor.....	\$1,250.00
Snack Sponsor.....	\$1,000.00
Gift Bag Sponsor.....	\$750.00
Raffle Sponsor.....	\$750.00
Koozie Sponsor.....	\$750.00
Cigar Sponsor.....	\$750.00
Tiger Hole Sponsor.....	\$500.00
Closest to the Pin Sponsor.....	\$500.00
Longest Drive Sponsor.....	\$500.00
Putting Contest Sponsor.....	\$500.00
Tee Box Sponsor.....	\$250.00

Includes alcoholic and non-alcoholic beverages, lunch, and dinner. \$5 raffle tickets available for raffle prizes. Awards for 1st, 2nd, and 3rd place will be presented. Golf carts included with registration. For questions, email Julie Thorne at JulieT@mjec.com.

2023 ASHRAE Winter Conference & AHR Expo



ATLANTA, GEORGIA
2.4.23 - 2.8.23 | [Register Here](#)

A4LE Gulf Coast Chapter Sporting Clay Event



Monday, November 14, 2022
Greater Houston Gun Club
6700 McHard Road, Houston, TX 77053
Phone: 281.437.6025

Registration + Lunch: 12:00 pm
Tournament: 1:00 pm
Awards + Raffles | Post Shoot Refreshments

[Register](#)

Registration closes November 8, 2022



REGION VIII CRC
Monterrey
April 27-29, 2023

Region VIII CRC is going to Monterrey next year!
More details can be found [here!](#)



[This Month's Meeting](#)

[Last Month's Meeting](#)

[Annual Sponsors](#)

[Membership](#)

[Treasurer](#)

[Research Promotion](#)

[Technology Awards](#)

[GGAC](#)

[HVAC Design Training](#)

[YEA](#)

[DIA](#)

[Student Activities](#)



MONTHLY MEETING

Sustainability + Decarbonization in the Real World

Please join the ASHRAE Houston Chapter & Women in ASHRAE for a technical panel discussion



Akshaya Satpute Naik
Senior Program Manager at Resource Innovations



Jill Kurtz
Principal and Building Sciences Director at Page



Lisa Lin
Director of Sustainability at Harris County



Tam Osentowski
Principal at Schneider Electric Sustainability Business

October 27th

Networking - 9:30-10:00AM
Panel Discussion - 10:00-11:30AM

**UH Downtown Academic Building
Robertson Auditorium - A350
315 N Main Street - Houston, TX**



Women in ASHRAE Technical Panel Discussion

WHO?

Akshaya Satpute Naik
Jill Kurtz
Lisa Lin
Tam Osentowski

WHEN?

Networking—9:30 - 10:00AM
Discussion—10:00 - 11:30AM

WHERE?

UH Downtown Academic Bldg.
Robertson Auditorium - A350
315 N Main St, Houston, TX 77002

OCTOBER 27TH, 2022

\$0- ADVANCED REGISTRATION

\$0- ALL NON-MEMBERS

\$0—Life Time Member

[CLICK HERE TO REGISTER](#)

[This Month's Meeting](#)

[Last Month's Meeting](#)

[Annual Sponsors](#)

[Membership](#)

[Treasurer](#)

[Research Promotion](#)

[Technology Awards](#)

[GGAC](#)

[HVAC Design Training](#)

[YEA](#)

[DIA](#)

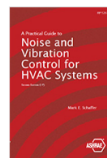
[Student Activities](#)



LAST MONTH'S MEETING



[CLICK HERE to read more!](#)



PRACTICAL GUIDE TO NOISE AND VIBRATION CONTROL FOR HVAC SYSTEMS, 2ND ED.

HANDBOOK / MANUAL / GUIDE by ASHRAE, 2005

M. Schaffer

[View all product details](#)

[Preview](#)

We were fortunate to welcome Mark Fly to our September meeting to present on Vibration Fundamentals and Human Perception. He helped attendees gain an understanding about the thought process that goes in to controlling vibration for equipment life vs human comfort . He educated the audience on the Isolation theory and how vibration isolators work regarding isolation efficiency and damping. Mark emphasized the importance of focusing on how humans respond to building vibration by giving modern real-world applications for building designs without sacrificing machinery life.

Mr. Fly has over 40 years of experience as a Researcher, Consulting Engineer, Contractor, and Manufacturer in the HVAC Industry. He is currently the Executive Director of the Norman Asbjornson Innovation Center at AAON, Inc. in Tulsa, Oklahoma. In ASHRAE, Mr. Fly holds the grade of Fellow and has been honored with both the Distinguished Service and Exceptional Service Awards. He has been and is currently active on numerous Technical Committees, Standing Committees and Councils, and is currently serving on the Publishing and Education Council and as a Trustee on the ASHRAE Foundation Board.

From everyone in ASHRAE, THANK YOU Mark for all that you have done, and all that you continue to do!

Quick Links

[This Month's Meeting](#)

[Last Month's Meeting](#)

[Annual Sponsors](#)

[Membership](#)

[Treasurer](#)

[Research Promotion](#)

[Technology Awards](#)

[GGAC](#)

[HVAC Design Training](#)

[YEA](#)

[DIA](#)

[Student Activities](#)



ANNUAL SPONSORS

PLATINUM



The Lone Star in Water Control

GOLD



SILVER



HITACHI

BRONZE



ENGINEERING



Quick Links

[This Month's Meeting](#)

[Last Month's Meeting](#)

[Annual Sponsors](#)

[Membership](#)

[Treasurer](#)

[Research Promotion](#)

[Technology Awards](#)

[GGAC](#)

[HVAC Design Training](#)

[YEA](#)

[DIA](#)

[Student Activities](#)



MEMBERSHIP

THINKING OF JOINING OR RENEWING? CHECK OUT THESE RESOURCES:

CONNECT-A-COLLEAGUE

We've kept it simple: Enter your name and email, your colleague's name and email, and press send. That's it! This pre-written invitation will be sent on your behalf, and includes options to reference an ASHRAE technical committee section, and to add a custom message. [Click here to get started!](#)



MEMBERSHIP BENEFITS FLYER

[Click here](#) for a flyer that includes a summary of membership benefits by grade.



STUDENT MEMBERSHIP BROCHURE

This brochure provides a description of all resources available for ASHRAE student members. This is a great brochure for recruiting new members at existing student branches or for the formation of a new student branch.



SUPPORT MY ASHRAE RENEWAL

Most employers are happy to support involvement in a professional society like ASHRAE. [Here's a sample email](#) to get your boss on board with supporting your new membership renewal.



ASHRAE

MEMBERSHIP GUIDE

[Click here](#) for an up-to-date overview of all benefits associated with joining the Society. This reference is a great tool for members and potential members. Flip through the Membership Guide.

YOUNG ENGINEERS IN ASHRAE GUIDE

This guide highlights the benefits of ASHRAE for a young professional member highlighting programs and services created specifically for ASHRAE members 35 and younger.

SUPPORT MY ASHRAE MEMBERSHIP

Most employers are happy to support involvement in a professional society like ASHRAE. [Here's a sample email](#) to get your boss on board with supporting your new membership.

APPROVED

Join or renew through <https://www.ashrae.org/join>

If you have any questions, contact membership@ashraehouston.org

TREASURER



22-23 Treasurer: Nick Janssen



Chapter is in good financial standing



Books have been transferred from Ayman Ashkar to Nick Janssen



2022 taxes filed

[This Month's Meeting](#)

[Last Month's Meeting](#)

[Annual Sponsors](#)

[Membership](#)

[Treasurer](#)

[Research Promotion](#)

[Technology Awards](#)

[GGAC](#)

[HVAC Design Training](#)

[YEA](#)

[DIA](#)

[Student Activities](#)



RESEARCH PROMOTION

ANNUAL ASHRAE GOLF TOURNAMENT

-11.15.2022-

The Golf Trails of the Woodlands

2311 North Millbend Dr.
The Woodlands, TX

CLICK HERE TO REGISTER

11 AM Registration

11:30 AM Lunch

12:30 PM Shotgun Start



Sponsorship Opportunities:

Tailgate:	\$2,500.00	Koozie:	\$750.00
Dinner:	\$2,000.00	Cigar:	\$750.00
Beverage:	\$1,750.00	Closest to the Pin:	\$500.00
Golf Ball Logo:	\$1,500.00	Longest Drive:	\$500.00
Lunch:	\$1,250.00	Putting Contest:	\$500.00
Snack:	\$1,000.00	Tiger Hole:	\$500.00
Gift Bags:	\$750.00	Tee Box Hole:	\$250.00
Raffle:	\$750.00		

Please contact Julie Thomet at JulieT@mjec.com with questions



ASHRAE Technology Awards

[This Month's Meeting](#)

[Last Month's Meeting](#)

[Annual Sponsors](#)

[Membership](#)

[Treasurer](#)

[Research Promotion](#)

[Technology Awards](#)

[GGAC](#)

[HVAC Design Training](#)

[YEA](#)

[DIA](#)

[Student Activities](#)

Now is the time to consider submitting a project(s) for ASHRAE's Technology Awards this year. It starts by brainstorming what projects you have started up that would be eligible for one of the following categories:

1. Category - Check one and indicate New, Existing, or Existing Building Commissioning (EBCx)			
<input type="checkbox"/> Commercial Buildings	<input type="checkbox"/> New	<input type="checkbox"/> Existing or	<input type="checkbox"/> EBCx
Institutional Buildings:			
<input type="checkbox"/> Educational Facilities	<input type="checkbox"/> New	<input type="checkbox"/> Existing or	<input type="checkbox"/> EBCx
<input type="checkbox"/> Other Institutional	<input type="checkbox"/> New	<input type="checkbox"/> Existing or	<input type="checkbox"/> EBCx
<input type="checkbox"/> Health Care Facilities	<input type="checkbox"/> New	<input type="checkbox"/> Existing or	<input type="checkbox"/> EBCx
<input type="checkbox"/> Industrial Facilities or Processes	<input type="checkbox"/> New	<input type="checkbox"/> Existing or	<input type="checkbox"/> EBCx
<input type="checkbox"/> Public Assembly	<input type="checkbox"/> New	<input type="checkbox"/> Existing or	<input type="checkbox"/> EBCx
<input type="checkbox"/> Residential (Single and Multi-Family)			

Start thinking now about the **projects that opened for operation on or before September 1st, 2022**

Houston Chapter submission deadline is Friday, February 17th, 2023.

Contact Catherine Tinkler – CTTC Chair for additional information and instruction on how to submit your project.

ctinkler@pagethink.com

Benefits of Winning a Technology Award



Recognized by peers as being innovative and capable of achieving a high level of competence



Recognition on ASHRAE's website



Winning projects are highlighted in the ASHRAE Journal and High Performing Buildings Magazine



Opportunity to bring additional recognition and prestige to buildings with innovative design



First place awards and the Engineering Award of Excellence are honored at the Plenary Session of the Society's Winter Meeting



[This Month's Meeting](#)

[Last Month's Meeting](#)

[Annual Sponsors](#)

[Membership](#)

[Treasurer](#)

[Research Promotion](#)

[Technology Awards](#)

[GGAC](#)

[HVAC Design Training](#)

[YEA](#)

[DIA](#)

[Student Activities](#)



GRASSROOTS GOVERNMENT

2022-2023 GRASSROOTS GOVERNMENT

ADVOCACY CO-CHAIRS

KENNETH SHIFFLETT



KEITH REIHL



DOE PROJECTS 40% EMISSIONS REDUCTION FROM INFLATION REDUCTION ACT

The U.S. Department of Energy released a fact sheet highlighting the Inflation Reduction Act's monumental support for clean energy technologies that will lower energy costs for families and businesses. Expected to help drive 2030 economy-wide greenhouse gas emissions to 40% below 2005 levels, the legislation will also bolster domestic manufacturing and provide direct investments for overburdened and underserved communities across America.

[Read more](#)

<https://www.ashrae.org/about/government-affairs>

Look forward to the 2022-2023 year.

Keith & Ken



[This Month's Meeting](#)

[Last Month's Meeting](#)

[Annual Sponsors](#)

[Membership](#)

[Treasurer](#)

[Research Promotion](#)

[Technology Awards](#)

[GGAC](#)

[HVAC Design Training](#)

[YEA](#)

[DIA](#)

[Student Activities](#)



ASHRAE HVAC Design Training

ASHRAE is organizing the HVAC Design Training in Austin, TX on November 14-18, 2022. The training will be offered in two parts: Level I–Essentials on November 14-16 and Level II–Applications on November 17-18. We are seeking a push from the Houston Chapter to help promote the training to Chapter members and other area associates. An email and social media promotion from the Chapter would boost our efforts!

Attached is an HTML promotion detailing the training that you can forward to your Chapter members. Visit the HVAC Design Training webpage at www.ashrae.org/hvacdesign for more details on the value of this training.

HVAC Design: Level I ? Essentials

When: November 14 ? 16, 2022 | Austin, TX

Level I ? Essentials November 14 ? 16, 2022	Member	Non-Member
Early Bird ? 60 Days	\$1,086	\$1,358
Early Bird ? 30 Days	\$1,109	\$1,386
Standard	\$1,143	\$1,429

[Register Now](#)

ASHRAE's HVAC Design: Level I ? Essentials provides intensive, practical training for HVAC designers and others involved in the delivery of HVAC services. In three days, gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use.

- Fundamentals
- Heating/Cooling Load Calculation
- System Selections
- HVAC System and Components
- Cooling System
- Basic Design of Hydronic Systems
- Basic Design of Air Systems
- Control/BAS

YOUR INSTRUCTORS



Donald Brandt, CEM, Life Member
ASHRAE, BEAP
[>> View Bio](#)



Dennis Wessel, P.E., Fellow/Life
Member ASHRAE, LEED? AP
[>> View Bio](#)

HVAC Design: Level II ? Applications

When: November 17 ? 18, 2022 | Austin, TX

Level II ? Applications November 17 ? 18, 2022	Member	Non-Member
Early Bird ? 60 Days	\$747	\$934
Early Bird ? 30 Days	\$763	\$954
Standard	\$786	\$983

[Register Now](#)

**Register for BOTH training sessions to save money
and fast track your experience level!**

ASHRAE's HVAC Design: Level II ? Applications provides instruction on HVAC system designs for experienced HVAC designers and those who complete the HVAC Design: Level I ? Essentials training. In two days, gain an in-depth look into Standards 55, 62.1, 90.1, 189.1 and the Advanced Energy Design Guides. Training will focus on a range of topics including: HVAC equipment and systems, energy modeling, designing a chiller plant, and BAS controls.

- Sustainability/Green/LEED/HPB/NZEB
- Standard 55
- Standard 62.1
- Building Systems: Education Facility
- System Applications: Chiller/Boiler, Air Handlers, VAV Terminals
- Life Cycle Cost
- Building Systems: Multi-story Office Building
- Water-to-Water GSHP Option 1 Chilled Beam with DOAS
- Water-to-Water GSHP Option 2 UFAD

Quick Links

[This Month's Meeting](#)

[Last Month's Meeting](#)

[Annual Sponsors](#)

[Membership](#)

[Treasurer](#)

[Research Promotion](#)

[Technology Awards](#)

[GGAC](#)

[HVAC Design Training](#)

[YEA](#)

[DIA](#)

[Student Activities](#)



YEA



Thank you to everyone who came out and made our August HH a success!



Tim Navarro

2022-2023 YEA Chair

Tim.Navarro@carrier.com

YEA Happy Hour

Join us for YEA's November HH Part 1

Sponsored by Roessler Equipment

Date: Wednesday, November 2nd

Time: 4-7PM

Location : Bobcat Teddy's

2803 White Oak Dr, Houston, TX 77007

DIA

Diversity in ASHRAE!

As our world (hopefully) moves toward a new normal, we look forward to engaging in meaningful discussions, hosting facility tours, and coordinating lively social events in whatever the appropriate manner may be.

For the upcoming year DIA aims to provide

- A network of women supporting all individuals in the industry
- Opportunities for professional growth and development
- Leadership skills
- Broader exposure and awareness through outreach programs

We will also work in connection with Shannon Yancey, Chair position for Membership, to help grow and bring awareness to DIA. I am thrilled to serve as your Co-Chair for the next year and look forward to endless possibilities.

Please feel free to contact me, Krista Villanueva or Lauren Ramos, with any questions or suggestions!

Kvillanueva@gulfcoastboiler.com

| lauren.ramos@dialecticeng.com



KRISTA VILLANUEVA



LAUREN RAMOS

Quick Links

[This Month's Meeting](#)

[Last Month's Meeting](#)

[Annual Sponsors](#)

[Membership](#)

[Treasurer](#)

[Research Promotion](#)

[Technology Awards](#)

[GGAC](#)

[HVAC Design Training](#)

[YEA](#)

[DIA](#)

[Student Activities](#)



OCTOBER STUDENT ACTIVITIES



ASHRAE SOCIETY SCHOLARSHIP PROGRAM

Scholarships are awarded based on the following and for the academic year following the application deadline beginning with the fall semester. Re-applications will be accepted from former scholarship applicants and recipients provided they meet current scholarship criteria. Students may only receive one Society scholarship in any given year. Scholarship amounts awarded shall not exceed the direct annual cost of attending the educational institution (i.e. tuition, books, supplies, room and board, etc.) through graduation.

1. A cumulative grade point average (GPA) of at least 3.0 on a scale where 4.0 is the highest and/or a class standing of no less than the top 30% evidenced by an official transcript of grades or written statement from a school administrator.
2. Three letters of recommendation, including one from an instructor or faculty advisor, a current or past employer, and another character reference. In the case of schools with an ASHRAE student branch, a letter from the faculty advisor of that branch may be one of the three letters of recommendation. Visit <https://www.ashrae.org/communities/student-zone/student-branches> for a list of ASHRAE student branches.
3. Potential service to the HVAC and/or refrigeration profession.
4. Financial need
5. Excellence, Character, Leadership (Fully describe academic achievement and other leadership roles)
6. Service to community & others (Detail participation in the arts/music, athletics, volunteerism, environmental/humanitarian groups, or other service organizations)

FOLLOW THE LINKS FOR MORE INFO

[Apply Today!](#)

[Selection Process](#)

[Scholarships, Criteria
and Deadlines](#)

[Tips for Applicants](#)

[Scholarship Recipients](#)

[Scholarship
Presentations](#)

ANNUAL APPLICATION **DEADLINE** IS DECEMBER 1ST