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August

Sun	Mo	Tue	We	Thu	Fri	Sat
1	2	3	4	5	6	7
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22	23	24	25	26	27	28
29	30	31				



Monthly Meeting

Until further notice, Houston ASHRAE meetings will be held virtually. For our first meeting of the year, we are excited to welcome Dr. Birol Kilkis to present on Exergy Based Optimum Tri-Generation Retrofit For A Hospital Building for Sustainability . [Click here for more information and to register.](#)

President



Josh Vanlandingham

President-Elect



John Neubauer

Vice President



Catherine Tinkler

**2021-2022
HOUSTON
ASHRAE
OFFICERS**

Treasurer



Ayman Ashkar

Secretary



Nick Janssen

Past President



Greg Tinkler

Rodney Hugh Lewis, PE



Sadly passed away on
May 11, 2021

[Click here to view the obituary](#)

SIXTH ANNUAL SPORTING CLAY TOURNAMENT

9.10.21

American Shooting Centers



[Register Here](#)

ANNUAL SPONSORSHIP OPPORTUNITIES



[Click here to learn more!](#)

2021-2022 ASHRAE DIRECTORY

\$175 for the first page,
\$125 for the second
page, and \$100
for each ad-
ditional
page

Email gtinkler@pagethink.com if
interested in participating.



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MONTHLY MEETING

GET TO KNOW THE SPEAKER: BIROL KILKIS, PH.D.

Birol Kilkis received his Ph.D. in Mechanical Engineering with high honors. He is a professor in the same discipline and also holds a diploma with honors from Von Karman Institute for Fluid Dynamics, Bruxelles. His main interests include unified quantum theory of heat transfer, panel heating and cooling, hybrid HVAC Systems, heat pumps and district energy systems. Dr. Kilkis has published over 200 papers on related fields, a book and several technical notes. He has authored about 40 ASHRAE papers and articles since 1991.

Currently, Dr. Kilkis is the Chairman of TC 6.5, Vice Chair of TC1.6 and a member of TC 6.1, 6.4 and 6.2. He serves in other institutions also such as ASTM (member E-44), ASME, IGSPHA, and IRR. He was instrumental in developing the MOH diagram for hybrid HVAC Systems, and is the prime investigator of several international research and applied projects ranging from museums, libraries, and district energy systems to computer aided design and optimization of panel heating and cooling systems.



EXERGY BASED OPTIMUM TRI-GENERATION RETROFIT FOR A HOSPITAL BUILDING FOR SUSTAINABILITY:

This presentation focuses on the exergy-rational retrofitting of electromechanical systems in a hospital building. It points out that energy spending and maintenance costs in hospital buildings are very intensive, and the solutions must go beyond known methods like energy savings, renewables, and building insulation. In this respect, a trigeneration system with a natural-gas biogas mix of fuel in a 900-bed hospital. The new analysis methods about the energy savings and CO2 emissions reduction potential will be summarized. In this scope, the importance of `unseen` `unspoken` additional CO2 emission responsibilities of any building due to exergy destructions according to the 2nd Law of Thermodynamics will be emphasized, and its impacts on decarbonization efforts will be shown.

AUGUST 26TH, 2021

\$0- ADVANCED REGISTRATION

\$0- AFTER AUGUST 12TH

\$0- ALL NON-MEMBERS

[CLICK HERE TO REGISTER](#)

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HISTORY

ASHRAE PERSONAL HISTORY FOR RODNEY H. LEWIS, P.E.

WRITTEN BY: BRUCE FLANIKEN



Rodney graduated from The University of Texas at Austin in August, 1971 with a Bachelors of Science in Mechanical Engineering. He had worked his way through school while working full time in the MEP engineering field. Some of the finest "On Job Training" (OJT) in the MEP industry from the following people that he had worked with during his going to college, i.e., Ross Zumwalt, "Peanut" Vinther, Bill Walcutt, Jack Roberts, Frank Gerling, Phil Thomas, Les Ward, Robert Cook and Jack Holle.

He joined the Austin ASHRAE Chapter in 1965 and transferred to the Houston Chapter in 1971 after graduation from University of Texas. When Rodney started working in the HVAC&R field, employers expected their employees to participate in ASHRAE and local chapters to become better rounded. For the most part, he paid for his own meals and dues. When Rodney joined ASHRAE it was an Associate Member. University of Texas did not have a student chapter at the time. All of the Zumwalt & Vinther Engineers and Gerling Thomas & Ward principles encouraged me in ASHRAE along with Ray Marsh, a Carrier Salesmen. In the Houston Chapter, Bill Arnold, Jim Powell, and Dick Grant were most influential early. Bob Burch, Richard Burr, and Hugh McMillan III encouraged me to move through the chairs. Gaylon Richardson and Dick Graves introduced me to the ASHRAE Society Technical Committees.

As far as a mechanical engineer doing electrical design was concerned, early on, Rodney had drawn a lot of electrical plans. At GTW, they had a pretty good cook book. GTW gave him a copy of the NEC about three weeks before he was to design a school electrical system. The check prints came back a bloody mess. Over the four years there, more than one year was electrical. Rodney designed the lighting on a building that won a design award for them. He designed the electrical power, emergency generator and UPS for a major state agency data center while at GTW. Around 1986, he was hired by a major AE firm in Houston, to perform the short circuit calculations for five 2500 to 3000kVA substations. Rodney won five awards from the IES for lighting design. Along the way he took advantage of the two lighting design courses sponsored by the IES. David Hull also took these courses and at retirement was a top notch electrical designer,

Through the years after moving to Houston, he regularly contributed to Chapter programs and was very active. He served as Chapter President 1992/93 after moving through the chapter chairs. When a person is asked to become the Chapter Treasurer there is a six year commitment to culminate in serving as Chapter President and then Past President.

As the Research Promotion Chair he re-established the June Golf tournament and established the fall golf tournament both of which are large events in our Chapters Annual events and is a very large part of our Chapter's current ability to commit serious funds to the ASHRAE Annual Research Promotion Drive. In that year 1990-1991 Rodney achieved the ASHRAE "High Five Award by collecting more Research Promotion Contributions that year than the Chapter had collected in the previous five years individually. As Research Promotion Chair in the Houston Chapter the Region VIII Vice-Chair and the ASHRAE Society President tried to tell Rodney how to do his job and wanted the Houston Chapter to designate all the proceeds from certain activities to. [Continue reading the article here.](#)



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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.



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.

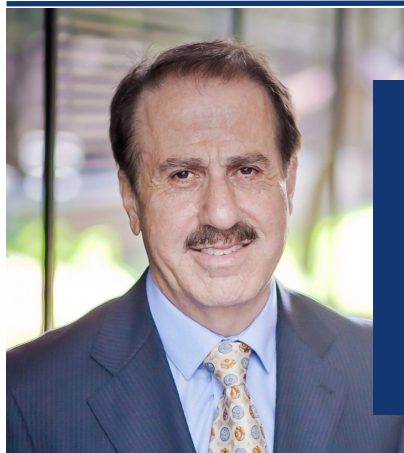


Please welcome our new members: Kay Smallwood, Chad Stevens, Rachel Haines, Garrett Burns, and Curtis Norstop

Join or renew through www.ashrae.org/home

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

TREASURER



21-22 Treasurer: Ayman Ashkar



Chapter is in good financial standing



Books are being transferred from Michael Green to Ayman Ashkar



2020 taxes are being filed

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RESEARCH PROMOTION

HOUSTON ASHRAE 2021-2022 RESEARCH PROMOTION FUNDRAISING EVENTS:

SPORTING CLAY TOURNAMENT

9.10.21
American Shooting Center

FALL GOLF TOURNAMENT

October– Date TBD

SPRING GOLF TOURNAMENT

March– Date TBD)

4TH EVENT

Be on the lookout!

2021-2022 ASHRAE ANNUAL SPONSORSHIP OPPORTUNITIES:

PLATINUM

\$10,000

Signage at each event as a Platinum Sponsor and ASHRAE Partner

Recognition on the ASHRAE Houston website as a platinum sponsor with a link to your website

ASHRAE Partner recognition at the annual conference

Four (4) participants at the Sporting Clay Tournament + one team (of 4) at both Golf Tournaments+ four (4) participants at the fourth event to be determined.

Inclusion for free in the ASHRAE Houston directory

Admission for four (4) to the Past President night

Tailgate sponsor at the Golf Tournament

Tabletop display space at the Sporting Clay Tournament

CONTRIBUTE NOW

GOLD

\$7,500

Signage at each event as a Gold Sponsor

Recognition on ASHRAE Houston website as a Gold Sponsor

Two(2) participants and stand sponsor at the Sporting Clay Tournament

One team (of 4) at the Golf Tournament of your choice + two (2) participants at the fourth event to be determined.

Hole sponsor signage at both Golf Tournaments

Inclusion for free in the ASHRAE Houston directory

Admission for two (2) to the Past President night

CONTRIBUTE NOW

SILVER

\$5,000

Signage at each event as a Silver Sponsor

Recognition on the ASHRAE Houston website as a silver sponsor

Two(2) participants and stand sponsor at the Sporting Clay Tournament

One (1) participants at the fourth event to be determined.

Hole sponsor signage at the golf tournament of your choice

Admission for two (2) to the Past President night

CONTRIBUTE NOW

BRONZE

\$2,000

Signage at each event as a Bronze Sponsor

Recognition on the ASHRAE Houston website as a bronze sponsor

Hole sponsor signage at the golf tournament of your choice + stand sponsor at the Sporting Clay Tournament

Admission for one (1) to the Past President night

CONTRIBUTE NOW

CONSULTING ENGINEER

\$1,000

Available only to consulting engineering firms

Signage at each event as a Consulting Engineer Sponsor

Recognition on the ASHRAE Houston website as a consulting engineer sponsor

Inclusion for free in the ASHRAE Houston directory

Free job opening postings on the ASHRAE Houston website and HAR

Hole sponsor signage at the golf tournament of your choice OR stand sponsor at the Sporting Clay Tournament

CONTRIBUTE NOW

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YEA



Sydney Foreman
2021-2022 YEACHair

Please welcome Sydney Foreman as your new YEA chair for the 2021-2022 year! Sydney will be taking over the chair responsibilities from Nick and Marisa as they move on to higher chapter and regional positions.

Be on the lookout for the first YEA networking event of the year in September!

WIA

Welcome to Women 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 WIA aims to provide

- A network of women supporting women and men who support women 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 WIA. 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

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STUDENT ACTIVITIES

STUDENT ACTIVITIES CO-CHAIRS



JIAJUN "FRANCIS" LIAO



ELMER WHITEHEAD

Student Activities Updates

We attended the **HCC** 50th Anniversary this summer to introduce ASHRAE and share job opportunities with HCC students (see attached photo, feel free to chop the photo as you see fit).

We continue the effort on establishing/expanding the **Rice University student branch** as students come back in the Fall semester.

We plan to sponsor student teams from **Texas A&M** and other schools to attend the ASHRAE Design Competition (<https://www.ashrae.org/communities/student-zone/competitions/2022-design-competition>). Please contact jliao@ssr-inc.com if interested.

We are actively looking for mentors for the Texas A&M Mechanical Engineering student design teams! Please reach out if interested

ASHRAE Houston Chapter R.O. Hunton Scholarship - \$3,000

Available to a qualified undergraduate mechanical engineering student enrolled full-time at a post-secondary educational institution within the geographic boundaries of the Houston Chapter.

To apply this one, and for other scholarships awarded by ASHRAE, please visit the **ASHRAE Society Scholarship Program** webpage here: <https://www.ashrae.org/communities/student-zone/scholarships-and-grants/scholarship-program#criteria>

Contact Lois Benedict at lbenedict@ashrae.org or call 678-539-1120 (direct) with questions.

Be mindful that the deadline for application is December 1, 2020

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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@distribare.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@distribare.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 Chair	Mr Jeffrey B Hunter	(713)939-6098	jeffrey.hunter@carrier.utc.com
Chapter Membership Promotion Co-Chair	Mrs Shannon Tawney Yancey	(281)728-1624	syancey@grundfos.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	Sydney Foreman	(832)342-9264	Sydney.Foreman@texasairsystems.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

