

THE LONG ISLAND SOUNDER



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President's Message

The ASHRAE Long Island Chapter started the year off strong with an incredible presentation from Rick Smith at Belimo. We have a great schedule of programs lined up for the upcoming months.

Distinguished Lecturer: Sheila Hayter on Integrating Renewable Energy Systems into Buildings

Kicking off the year with a focus on sustainability, we are honored to welcome Distinguished Lecturer Sheila Hayter. With her extensive expertise in renewable energy systems, Sheila will deliver a compelling presentation on integrating these systems into building designs. Her insights will be invaluable for professionals looking to enhance energy efficiency and sustainability in their projects. Attendees can expect to gain a deeper understanding of the latest technologies and strategies for incorporating renewable energy into both new and existing buildings.

The ASHRAE Distinguished Lecturers (DL) Program began in Society Year 1996-97. The purpose of the program is to provide ASHRAE Chapters with lecturers equipped to speak on relevant subjects of interest to ASHRAE members and guests without incurring huge costs. The Distinguished Lecturer Program is supervised by the Chapter Technology Transfer Committee.

You can learn more about the program on [DL - Distinguished Lecturer Program \(ashrae.org\)](https://www.ashrae.org).

We will continue to roll into fall with more relevant programming and events geared towards our members. As members of the Long Island ASHRAE Chapter, we value your thoughts and feedback. Please feel free to reach out to any of our board members, attend our board meetings (5-6PM at Westbury Manor) or volunteer to participate in any events.

Thank you for your continued support and participation in our chapter!

President
Elizabeth Jedrlinic

Chapter Monthly Meeting - Program for 2023/2024

<p>September 10, 2024* At Westbury Manor</p> <p>Dinner Presentation – Pressure Independent Control Valves: Benefit of Electronic vs. Mechanical PI Technology Presenter: Rick Smith</p> <p style="text-align: right;">**1 PDH*</p>	<p>March 11, 2025* At Westbury Manor</p> <p>Long Island Trade Show</p>
<p>October 8, 2024* At Westbury Manor</p> <p>Dinner Presentations - Integrating Renewable Energy Systems into Buildings</p> <p>Presenter- Shelia J. Hayter</p> <p style="text-align: right;">**1 PDH**</p>	<p>April 8, 2025</p> <p>Dinner Presentation— TBD</p> <p style="text-align: right;">**1 PDH**</p>
<p>November 12, 2025 * At Westbury Manor</p> <p>Dinner Presentation— Refrigerant Leak Detection Guidance + Applications</p> <p style="text-align: right;">**1 PDH**</p> <p>Presenter- Alex Ballegoie</p>	<p>May 2025 * Cherry Valley Club, Garden City, NY</p> <p>ANNUAL GOLF OUTING</p>
<p>December 10, 2024 * At Westbury Manor</p> <p>Dinner Presentation—TBD **1 PDH**</p>	<p>May 12, 2025</p> <p>Annual Field Trip—TBA</p>
<p>January 14, 2025 * At Westbury Manor</p> <p>Dinner Presentation— TBD</p> <p style="text-align: right;">**1 PDH**</p>	<p>June 9th 2025 * At Westbury Manor</p> <p>Free Buffet Dinner for Members</p> <p>PAST PRESIDENTS NIGHT & OFFICER INSTALLATION STUDENT SCHOLARSHIPS TO BE AWARDED ASHRAE History Quiz and prize Give-A-Ways</p>
<p>February 11, 2025</p> <p>Dinner Presentation— PEX-A Pipe and PP-RCT Pipe Solutions</p> <p>Presenter: John Knowles</p>	<p>July 2025- TBD (4pm-8pm) * Dixie II @ Captree State Park Boat Basin, NY</p> <p>ANNUAL FISHING TRIP</p>
	<p>August 2025</p> <p>Chapters' Regional Conference (CRC) Region I GRANIT STATE</p>

Long Island Chapter Officers & Committees

ASHRAE 2024/2025 OFFICERS		
POSITION	NAME	EMAIL
President	Elizabeth Jedrlinic	c006@ashrae.net
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Vice President	Michael Razzano	c006vp@ashrae.net
Treasurer	Zhigang XU	c006tr@ashrae.net
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Board of Governors	Michael S. Gerazounis	c006bog1@ashrae.net
Board of Governors	Thomas DiBenedetto	c006bog2@ashrae.net
Board of Governors	Peter Conte	c006bog3@ashrae.net
Board of Governors	Steven Gerazounis	c006bog4@ashrae.net
Board of Governors	Michael Nigro	c006bog5@ashrae.net

ASHRAE 2023/2024	COMMITTEES	
COMMITTEE	NAME	EMAIL
Programs & Special Events	Michael Nigro	c006pe@ashrae.net
Membership (MP)	Michael Gerazounis	c006mep@ashrae.net
Refrigeration	Kenny Balci	c006ref@ashrae.net
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Government Activities (GGAC)	Rich Smith	006ggac@ashrae.net
Newsletter Editor	Alexis H. Smith	c006ne@ashrae.net
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Young Engineers in ASHRAE (YEA)	Steven Gerazounis	c006yea@ashrae.net
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Nominating	Michael Gerazounis, PE, LEED AP	nominating@ashraeli.org
Reception & Attendance	Steven Gerazounis	reception@ashraeli.org
PR & Engineering Joint Council of LI (EJCLI) Liaison	Andrew Manos, LEED AP	pr@ashraeli.org
Golf Outing	Peter Gerazounis, PE LEED AP	golf@ashraeli.org
Awards	Brian Simkins	c006ha@ashrae.net
ASHRAE LI, P.O. Box 79, Commack, NY 11725		

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Long Island Chapter - Past Presidents

1958	H. Campbell, Jr. PE	1982	Timothy Murphy, PE	2006	John Nally
1959	Clyde Alston, PE	1983	Leon Taub, PE	2007	Peter Gerazounis, PE, LEED AP
1960	Sidney Walzer, PE	1984	Raymond Combs	2008	Steven Friedman, PE, HFDP, LEED AP
1961	Sidney Gayle	1985	Edward W. Hoffmann	2009	Steven Giammona, P.E., LEED AP
1962	William Kane	1986	Jerome T. Norris, PE	2010	Nancy Román
1963	Louis Bloom	1987	Abe Rubenstein, PE	2011	Carolyn Arote
1964	Milton Maxwell	1988	Michael O'Rourke	2012	Brian Simkins, LEED AP
1965	Will Reichenback	1989	Mel Deimel	2013	Andrew Manos, LEED AP BD+C
1966	Joseph Minton, PE	1990	Robert Rabell	2014	Richard L. Rosner, P.E.
1967	Irwin Miller	1991	Gerald Berman	2015	Thomas J. Fields, P.E., LEED AP
1968	Walter Gilroy	1992	Donald Stahl	2016	Donald Kane, P.E.
1969	Charles Henry	1993	Ronald Kilcarr	2017	Andrew Dubel, P.E., LEED AP
1970	William Wright	1994	Jerald Griliches	2018	Richard Halley
1971	Louis Lenz	1995	Walter Stark	2019	Frank Paradiso
1972	Ronald Levine	1996	Joe Marino	2020	James Hanna
1973	Henry Schulman	1997	Norm Maxwell, PE	2021	Matthew J. Vitrano
1974	Myron Goldberg	1998	Alan Goerke, PE	2022	Murat Bayramoglu
1975	John N. Haarhaus	1999	Frank Morgigno	2023	Michael Nigro
1976	Richard K. Ennis	2000	Michael Gerazounis, PE, LEED AP		
1977	Kenneth A. Graff	2001	Ray Schmitt		
1978	Evans Lizardos, PE, LEED AP	2002	Steven M. Stein, PE		
1979	Albert Edelstein	2003	Andrew Braum, PE		
1980	Ralph Butler	2004	Claudio Darras, P.E.		
1981	Robert Rose, PE	2005	Craig D. Marshall, P.E.		

MEETING PROGRAM

Attendees
Will Earn
1 PDH!



Sheila J. Hayter, P.E.

Date: Tuesday, October 8th 2024

Time: 6PM-9PM

6:00 PM - Cocktails and Hors D'oeuvres

7:00 PM - Dinner Presentations

8:45 PM - Conclusion

Location: *Westbury Manor*

1100 Jericho Tpke., Westbury, NY 11590

Directions are posted at @ www.ashraeli.org

Fees:

Members - \$50 pp

Guests - \$70 pp

Students - \$15 pp

Presentation Topic:

Integrating Renewable Energy Systems into Buildings

This presentation introduces technical opportunities, means, and methods for incorporating renewable energy (RE) technologies into building designs and operations. The speaker will give an overview of RE resources and available technologies used successfully in the USA to offset building electrical and thermal energy loads. Methods for applying these technologies in buildings and the role of building energy efficiency in successful RE projects will be addressed. The speaker will discuss issues related to connecting RE systems to existing electrical grids and offer tips for implementing successful RE projects. Finally, the speaker will summarize ASHRAE activities related to and/or in support of RE applications in buildings.

About our Speaker:

Sheila Hayter joined NREL in 1992 and has since led impactful energy initiatives. She chaired ASHRAE's Continuing Education Committee from 1998 to 1999 and received the ASHRAE Technology Award in 1999. In 2001, she earned the ASHRAE Distinguished Service Award. From 2004 to 2005, she chaired the Research Activities Committee and served as Director at Large from 2005 to 2008. In 2007, she received both the NREL Staff Award and Kansas State University's Professional Progress Award. Sheila chaired the Greening ASHRAE Meetings Committee from 2006 to 2008, became an ASHRAE Fellow in 2008, served as Vice President from 2009 to 2011, and was honored with the Exceptional Service Award in 2011.



YEA

Hello everyone, I am your YEA chair, Steven Gerazounis. I hope you all are looking forward to another great upcoming year! For all the new members if you are unfamiliar with the YEA committee, its purpose is to provide ASHRAE members 35 years old or younger with opportunities to network, educate and grow themselves through chapter events. Please check back regularly to the newsletter and on ASHRAE's website for all the news and opportunities available. I look forward to seeing as many of you as possible in the upcoming months at ASHRAE and YEA events!

On a Society level, ASHRAE offers many programs and events that can enhance the professional development of YEA members, such as Leadership Weekend, Leadership U, LeaDRS, and the HVAC Design Scholarship.

<https://www.ashrae.org/communities/young-engineers-in-ashrae-yea/yea-events-and-programs>

YEA Events



YEA Leadership Weekend
1.0

LEARN MORE



YEA Leadership Weekend
2.0

LEARN MORE



YEA Leadership
International

LEARN MORE

YEA Programs



Leadership U

LEARN MORE



LeaDRS

LEARN MORE



HVAC Design Scholarship

LEARN MORE



YEA Decarb Initiative

LEARN MORE

Leadership Weekend 1.0

Coming to San Francisco this fall (November 8th-10th) is YEA Leadership Weekend 1.0 (YLW)! This event is for young professionals who are looking to improve in the areas of leadership, networking, communication, and professional development. YLW is led by Ralph Kison as he guides individuals through a self-discovery process that reveals their strengths, talents, gifts, and passion. In addition, there will be an optional technical tour of the iconic Salesforce Tower on November 7th. Please use the link below to register, and hurry if you are interested as registration closes on October 5th!

<https://www.ashrae.org/communities/young-engineers-in-ashrae-yea/yea-events-and-programs/yea-leadership-weekend>

Leadership U

If you wanted the opportunity to participate and follow regional and society officers there are two great options to do so! With Leadership U (4) YEA members will be selected for the winter or annual conference and attend all of their respective society officer's events, board meetings and social activities. Applications for the 2025 Winter Conference in Orlando are open until October 9th. Please use the link below to register and for more information.

<https://www.ashrae.org/communities/young-engineers-in-ashrae-yea/yea-events-and-programs/leadership-u>

LeaDRS

Similar to the Leadership U program, LeaDRS allows a region to select any ASHRAE member to shadow their Director and Regional Chair (DRC) at an ASHRAE Conference. To apply for this program you must contact the DRC directly. For Long Island that would be Charles Bertuch.

Region I : Mr. Charles Bertuch

Email: R01drc@ashrae.net

<https://www.ashrae.org/communities/young-engineers-in-ashrae-yea/yea-events-and-programs/ashrae-region-leadrs-program>

HVAC Design Scholarship

Are you looking for the chance to get a better grasp of the fundamentals and technical aspects to design, install and maintain HVAC systems? YEA has a fantastic program to cover all of those bases with an attendance scholarship for either level I or II training. Applications for this program will begin in October so please be on the lookout to take advantage of this opportunity!

<https://www.ashrae.org/communities/young-engineers-in-ashrae-yea/yea-events-and-programs/yea-scholarship-for-hvac-design-essentials-training>

Technical Committees

Are you looking to get more involved with your industry or ASHRAE as a whole? Take a look to see if there are any technical committees that interest you!

<https://ashrae.org/technical-resources/technical-committees>

Getting more involved gives you the opportunity to directly impact our industry and expand your knowledge base. To learn more about these committees you can also reach out via phone or email at: 404-636-8400

tcstaff@ashrae.net

YEA Awards

So many YEA members are deserving of awards for their hard work, dedication and faithful service to this society but don't receive them because people don't know they are eligible to be nominated. Please look into the numerous awards available for YEA members under the Honors and Awards tab.

<https://www.ashrae.org/communities/young-engineers-in-ashrae-yea/honors-and-awards>

For any awards that you cannot nominate yourself or another YEA member you may need to reach out to your YEA Regional Vice Chair, Society YEA Committee member or Director and Regional Chair to provide them with the information they require to submit a nomination form.

2024-2025 Decarbonization Challenge

ASHRAE Society President Dennis Knight has unveiled his presidential theme focusing on workforce development and Diversity, Equity, and Inclusion (DEI). As part of his plan, he will continue the Decarbonization Challenge Fund—a year-long competitive program offering grants ranging from \$1,000 to \$10,000. This initiative aims to support decarbonization projects aligned with this year's presidential theme and will be executed through the YEA committee. Applications for the program will remain open until November 15th, 2024.

<https://www.ashrae.org/communities/young-engineers-in-ashrae-yea/yea-decarb-initiative>

Please feel free to reach out to me with any questions or comments about YEA.

Steven Gerazounis



Government Affairs

ASHRAE Joins in Statement from Building Organizations in Support of National Definition of a Zero Emissions Building

On September 25, ASHRAE joined with 16 organizations in a statement of support for the recently finalized National Definition of a Zero Emissions Building to stress the importance of decarbonizing the buildings sector, which is responsible for more than one-third of total U.S. greenhouse gas emissions. In June, the U.S. Department of Energy (DOE) announced the definition to provide better standardization across the buildings industry and generate momentum for reducing the buildings sector's emissions. ASHRAE President M. Dennis Knight stated, "By strengthening this definition with ASHRAE's referenced resources, we hope to collectively guide the transition of the building industry in reducing its carbon footprint and drive meaningful transformation towards a sustainable future." The statement was released in conjunction with NYC Climate Week and can be found [here](#).

DOE Issues Final Rules for Air-Cooled Commercial Packaged Air Conditioners and Heat Pumps

The U.S. Department of Energy (DOE) issued final rules that will amend energy conservation standards for air-cooled commercial package air conditioners and heat pumps. The new rules will apply to these specified air conditioners and heat pumps with a rated cooling capacity greater than or equal to 65,000 Btu/h. The rules were proposed on May 24, 2024, in the federal register seeking public comment. The DOE determined that the comments received were not enough to withdraw the published rules. The new rules became effective September 17, 2024, with the new compliance standards being enforced on and after January 1, 2029.

Table II.1 Energy Conservation Standards for ACUACs and ACUHPs (Compliance Starting January 1, 2029)

Cooling Capacity	Subcategory	Supplementary Heating Type	Minimum Efficiency
≥65,000 Btu/h and <135,000 Btu/h	AC	Electric Resistance Heating or No Heating	IVEC = 14.3
		All Other Types of Heating	IVEC = 13.8
	HP	All Types of Heating	IVEC = 13.4 IVHE = 6.2
≥135,000 Btu/h and <240,000 Btu/h	AC	Electric Resistance Heating or No Heating	IVEC = 13.8
		All Other Types of Heating	IVEC = 13.3
	HP	All Types of Heating	IVEC = 13.1 IVHE = 6.0
≥240,000 Btu/h and <760,000 Btu/h	AC	Electric Resistance Heating or No Heating	IVEC = 12.9
		All Other Types of Heating	IVEC = 12.2
	HP	All Types of Heating	IVEC = 12.1 IVHE = 5.8

Microsoft Deal Would Reopen Three Mile Island Nuclear Plant for Exclusive Use

If approved by regulators, the Three Mile Island Nuclear Plant in Pennsylvania would reopen in 2028 and sell 100% of its power to Microsoft for the next 20 years to feed the tech giant's voracious AI driven appetite for power. The proposed deal is unprecedented in many ways; a shuttered nuclear plant has never reopened in the U.S., nor has a nuclear plant ever sold 100% of its power to one corporate customer. The plan is reliant on federal subsidies from the Inflation Reduction Act to be economically viable, and there are concerns that any costs incurred by the proposed reopening would ultimately be borne by ratepayers, driving up energy prices for families and businesses. You can read a full report on the proposed reopening [here](#).

Closing Thoughts

As I said Last Month: It seems that if we just get rid of AI, we could save a ton of Energy. Apparently AI thinks Nuclear is Green enough to Consume Billions of watts helping with your Web searches, maybe we should give it (Nuclear) a try.

Richard Smith – GAC Chair.
 Matt Catan – Co-Chair
 006ggac@ashrae.net



Historian

Leadership Recall Interview: Past Chapter President

“We must embrace change, push the boundaries and engage all of the stakeholders in building design, construction and operation. Our challenge is to approach every project with innovation, not repetition, and to challenge ourselves to find the elegant solutions that will minimize energy use and provide exceptional indoor environmental quality.”

Lynn G. Bellenger, 2010–11 ASHRAE President

During this busy start to our next ASHRAE year, it is important to take a moment and look back at our successes and tribulations from years past to help guide our path forward. In the spirit of looking back, this month I had the privilege to conduct a Leadership Recall Interview with the 2023-24 Long Island ASHRAE Chapter President, Michael Nigro.

Michael Nigro Graduated with a Bachelor of Science degree from Vaughn College of Aeronautics and Technology in 2014. After a nearly 8-year stint at MG Engineering, Mike joined the

Whiting-Turner Contracting Company in 2021 as an MEP Project Manager. Mike Nigro has been actively involved in the HVAC industry for over 11 years.

Leadership Recall Interview

Date: September 23, 2024

Time: 10am

Interviewee: Michael Nigro | Whiting-Turner Contracting Company | MEP Manager

Interviewer: Thomas DiBenedetto | Stony Brook University | Mechanical Engineer



What originally drew you to the HVAC industry?

I have a strong understanding of the importance of indoor air quality on human health. My dad passed away from lung cancer. He worked for years at a bus depot. The buses were diesel, and they idled indoors with no ventilation. The walls in the bus depot would get covered in soot, but instead of fixing the problem, the bus depot regularly scrubbed and power washed the walls to make the space seem clean.

What initially motivated you to join ASHRAE?

[Jokingly] I was pretty much forced to attend my first few ASHRAE meetings by Tom Fields (2016-17 ASHRAE Long Island Chapter President). However, I quickly realized the importance of networking offered by ASHRAE and its potential impact on my career.

When you first took on the role of President of the ASHRAE Long Island chapter, what were your top goals for the year?

My two main priorities as president were to educate and to encourage. I noticed that our local ASHRAE meetings were losing a younger engineer presence. It was pretty much that same 30 people coming to meetings who had been attending for the past ten years. I wanted to increase young engineer attendance so they would have the same opportunities for networking and professional growth that ASHRAE offered me earlier in my career.

What accomplishments during your tenure are you most proud of?

I am most proud of hosting the first ASHRAE Long Island trade show. A local college found the event valuable enough to bring in two full buses of students to walk around the trade show and interact with the local firms and vendors. The trade show was a huge success. I am also proud of ASHRAE Long Island chapter's role in helping to start the Hofstra student ASHRAE chapter. We consistently kept the adjunct professor, Lynn Albers, motivated and involved in the ongoing activities of the Long Island chapter. We sent her personal invitations to our monthly meetings and encouraged her to bring Hofstra students. We also discussed Lynn's role as student adviser and made sure she had the resources she needed to establish the student chapter.

To further develop Lynn's and Hofstra's connection with the Long Island Chapter, we decided to host our annual fieldtrip meeting at Hofstra to walk through Hofstra's new Science and Innovation Center. Lynn played a major role in setting up that event, and Hofstra students wound up attending the presentation.

Has your role in ASHRAE as president shaped your career or personal growth in any meaningful ways?

My role as president of the Long Island chapter was an extension of my leadership role in my day-to-day job. I had a sense of responsibility to make sure that everyone on the board got along. I took a personal interest in the wellbeing of our board members.

Whenever a board member reached out to explain that they needed to temporarily reduce their involvement in ASHRAE because of obligations in their work or home lives, I made a pointed effort to regularly follow up and make sure everything was going okay. People are more inclined to contribute if they feel their leaders genuinely care about their wellbeing. As president and as an MEP manager, ensuring the happiness of my team is an important part of the role.

What advice would you give to your successor or future leaders of ASHRAE Long Island?

Inevitably, there will be ups and downs—try not to take the downs too personally.

“People are more inclined to contribute if they feel their leaders genuinely care about their wellbeing”

Refrigeration

Check out Trane Commercial Equipment Update on A2L Transition. The article can be found via accessing the below link:

[Trane Commercial Equipment Updated for Refrigerant Transition | ACHR News](#)

Trane Commercial Equipment Updated for A2L Transition

SWORDS, Ireland — As of Jan. 1, 2025, all newly manufactured commercial chillers for comfort heating and cooling, plus newly manufactured packaged and split-system HVAC units, must ship with low-GWP refrigerants in order to meet the U.S. Environmental Protection Agency (EPA) HFC phase-down requirements.

“At Trane, we believe performance and sustainability can coexist. Transitioning to low-GWP refrigerants is one of the most effective decarbonization strategies for commercial buildings,” said Oakley Roberts, vice president of product management at Trane, said in a press release. “Trane is quickly transitioning its product lines, so our customers have the solutions they need to help successfully comply.”

According to a UL safety standard, ducted HVAC systems with more than 3.91 pounds of R-454B refrigerant must include one or more refrigerant leak-detection sensors. Trane is adding factory-installed leak-detection systems to models with more than 3.91 pounds of refrigerant charge, Trane’s press release said. In addition, those systems will be equipped with building automation systems (BAS) points so building engineers can use Trane’s integrated Symbio controllers to help detect and mitigate leaks.

Trane has updated the following product lines with R-454B refrigerant and a standard factory-installed leak-detection system on models with a refrigerant charge of more than 3.91 pounds:

- IntelliPak 3 rooftop units (RTUs)
- Axiom horizontal and vertical water-source heat pumps
- Axiom vertical-stack water-source heat pumps

“Factory-installed leak detection systems help give contractors and engineers peace of mind, save time and money by not having to install leak-detection systems in the field, and help give them confidence that low-GWP systems are operating safely and efficiently on day one,” said Roberts.

Trane's air-cooled and Thermafit modular units are designed to help reduce direct and indirect greenhouse gas emissions. With higher efficiency and the use of low-GWP refrigerant, they help owners comply with changing regulations and help meet sustainability goals, the press release said. The following product lines have changed over to low-GWP refrigerants:

- Trane air-cooled models ACS, ACX, and CGAM are available with R-454B.
- The Trane air-cooled model ACR is available with R-513A.
- The Thermafit modular-unit chillers, models AXM, WXM, MWC, MWS, and AMC, are now available with R-454B.

Transitioning products to next-generation low-GWP refrigerants is an important part of Trane's climate commitment, the company said. In alignment with this commitment, all Performance Climate Changer air-handling units (models UCCA, CSAA, PSCA, TCFS, TCPA) are now available with A2L refrigerants.

Kenny Balci



Diversity, Equity & Inclusion

In September ASHRAE hosted its first ever Women in ASHRAE Leadership Symposium. The event is meant to provide programming geared towards the personal and professional development of the Women in ASHRAE.

Highlights Include:

- Real Talk: Engage in candid conversations about the challenges and triumphs unique to women in HVACR.
- Empowerment Toolkit: Gain valuable insights with actionable tools, guidelines, and lessons for success.
- Mentor Magic: Connect with mentors who can guide your journey and amplify your impact.
- Allyship in Action: Learn how to be an effective ally and sponsor, turning advocacy into action.
- Emotional Intelligence: Master strategies for handling tough situations with grace and confidence.
- Networking: Forge lasting connections that will propel your career to new heights.

Key note speakers include:



Ginger Scoggins
Presenting: Friday, September 27, 2024
Title: Leadership Dualities: Guiding Professionals and Volunteers in Engineering Environments



Erin McConahey
Presenting: Thursday, September 26th, 2024
Title: Fortifying Our Future

It is an exciting time to see ASHRAE growing its programming for all of its members.



Student Activities

Hello everyone!

Welcome to the inaugural edition of 2024-2025 ASHRAE calendar! I am thrilled to serve as the Student Activity Chair again. Our goal with this newsletter is to keep you informed, engaged, and inspired as we navigate the exciting world of HVAC&R together.

In this newsletter, you can expect to find updates on upcoming events, opportunities for professional development, and highlights of the incredible work being done by our student members. We aim to provide valuable insights into the latest industry trends and share resources that will help you succeed in your academic and professional endeavors.

This newsletter is designed to be a platform for you – our vibrant and talented student community. We encourage you to share your achievements, projects, and ideas with us so that we can celebrate and learn from each other. Whether you're looking for internship opportunities, tips on career development, or simply want to stay connected with the ASHRAE community, this newsletter has something for everyone.

2025 ASHRAE Winter Conference Student Program **Join us in Orlando!**



ASHRAE is looking forward to convening in Orlando at the Hilton Orlando February 8-12, 2025. The conference will be an opportunity for students and other HVAC professionals from around the world to share industry ideas and learn more about ASHRAE.

Registration is now open.

[Learn More](#)

Kick-Off Virtual Round Table Branch Officers and Advisors

Thursday Sept 12th 1-2:30pm

Come speak to and learn from Student Branch Officers and Advisors in our first Round Table of the year. We will discuss how to get a good start to the ASHRAE year, challenges that you may face in the first few months and some tips and tricks for success!

[Register Here](#)

Student Travel Grant

Applications due September 30th

The Student Activities Committee is offering five \$1,000 USD travel grants to help subsidize students to travel to the Winter Conference in Orlando, Florida in February 2025.

[Apply Here](#)

44 Society Scholarships Available 2025-2026

Applications due December 1, 2024

Through its scholarship program, ASHRAE seeks to motivate students worldwide to pursue an engineering or technology career in the HVAC&R field that will further promote sustainable technology for the built environment. Scholarships range from \$3,000 to \$12,500 and awarded for the academic year following the application deadline beginning with the fall semester. Qualified students are encouraged to apply at ashrae.org/scholarships. Now accepting applications for our Society Level Undergraduate Engineering, Engineering Technology, Regional/Chapter, & University-specific Scholarships.

[Learn More](#)



Undergraduate Program Equipment Grants Applications due December 15, 2024

The ASHRAE Undergraduate Program Equipment Grants provide funding to engineering, technical and architectural schools worldwide with the goal of increasing student knowledge, learning and awareness of the HVAC&R industry through the design and construction of equipment. Grants are to be used to fund equipment and supplies for senior projects and 2-year technical school projects that focus on ASHRAE-related topics. Grants may cover projects lasting from one academic term up to one year.

NEW grant award of up to \$25,000 for the top application!

[Learn More](#)

2024 ASHRAE High School Design Competition Submissions due December 30, 2024



This competition is for students 13-18 years of age and provides the opportunity to take the first steps in designing a building's HVAC system. This competition will expose high school students to the process that designers and engineers go through when designing building systems.

[Learn More](#)

Registration open for the 2025 Student Design Competition

The 2025 student competition focuses on a new medical office building in the heart of Manchester, England. Each team must register online to participate. The first deadline for the 2025 competition is May 4th, 2025. ASHRAE will recognize the outstanding student design projects at the 2026 ASHRAE Winter Meeting to be held in Las Vegas, Nevada January 31st-February 4th, 2026.

[Learn more and register today!](#)

2025 Setty Family Foundation Applied Engineering Challenge



The 2024 Applied Engineering Challenge is focused on an innovative carbon capture and utilization module that integrates with existing HVAC&R systems. ASHRAE will recognize the winner with a \$5,000 prize and invite the entire team to the 2026 ASHRAE Winter Meeting to be held in Las Vegas, Nevada January 31st-February 4th, 2026.

[Learn more and register today!](#)

2025 Building Energy Quotient Competition

Students will have the opportunity to evaluate and audit building energy consumption for buildings in operation to give the building a Building EQ score using the ASHRAE Building EQ online tools.

[Learn more and register today!](#)

Registration is now open for the Solar Decathlon® 2025 Design Challenge!



**Are you a student or professor interested in transforming buildings
to tackle the climate crisis?**

Each year, interdisciplinary collegiate teams compete to create high-performance, low-carbon building designs that address real-world issues such as existing building retrofits, community impacts, affordability, and resilience. Learn more about the competition through the 2024 Design Challenge Recap video. Collegiate students and faculty—start gathering your team and register by October 23, 2024, to compete.

[Learn more and register today!](#)

Transfer your membership to the Smart Start Program!

SmartStart is a 3-year program that allows Student members to transfer to Associate grade membership at a rate that is recent-graduate friendly.

Visit the [SmartStart](#) page to learn more.



Thank you for being a part of our ASHRAE family. If you have any suggestions or would like to assist in anyway with student activities, please let us know. Together, let's make this a year of growth, learning, and success.

Warm regards,
Zhigang Xu
Student Activity Chair

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