

THE LONG ISLAND SOUNDER



Long Island
Chapter

2023-2024

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PRESIDENT'S MESSAGE



Introduction

Happy HVAC changeover season! The ASHRAE LI chapter had a strong start last month with our first gathering at Westbury Manor on September 12, 2023. The board members and committee chairs met ahead of the dinner presentation to discuss upcoming programs, joint meetings with other industry professionals, spring field trip, sustainability forums at local universities, government outreach, research promotion milestones, membership promotion/retention, and upcoming YEA events.

Recognition

A SPECIAL THANK YOU to Mr. Benevides (Director, Siemens Demand Flow Center of Excellence) and Mr. Kozak (Principal, BR+A Engineers) for presenting at the September meeting on demand flow, energy optimization and case studies on local projects completed illustrating the energy consumption savings well below the NYC code requirements.

Past Events

Several of our ASHRAE members attended the EJCLI Ethics Seminar on September 26th. ASHRAE is a member society along with several other professional organizations and universities. Please be on the lookout for future opportunities to attend.

Communication

Our chapter continues to utilize and observe a positive impact utilizing online tools more effectively. Through our social media accounts, we frequent update with upcoming YEA events, joint meetings and network opportunities.

Upcoming Events

Please be on the look out for the flyer for the 1st YEA event slated for 10/21. More details to follow!

Member Involvement

As our organization is completely volunteer, I urge all who are interested in becoming involved in our organization to please reach out to myself or any of the board members. There are endless of opportunities network, volunteer and grow as an individual.

Look forward to seeing everyone in a few weeks!

M.Nigro

Long Island Chapter President

Chapter Monthly Meeting - Program for 2022/2023

<p>September 12, 2023* At Westbury Manor</p> <p>Dinner Presentation – Smart Campuses: New Adaptations of Chilled Water Optimization Demand Flow Technology Strategies</p> <p>Presenter: Mark Benevides & Andrew Kozak</p> <p style="text-align: right;">**1 PDH**</p>	<p>March 13, 2024 * At Westbury Manor</p> <p>Dinner Presentation— TBA</p> <p style="text-align: right;">**1 PDH**</p> <p>Student Activities Night YEA Night</p>
<p>October 10, 2023* At Westbury Manor</p> <p>Dinner Presentations - Domestic Hot Water Heat-Pump— Challenges and Solutions</p> <p><i>Presented by: Scott Shufflebotham</i> Sales Engineer, Daikin Applied</p> <p style="text-align: right;">**1 PDH**</p>	<p>April 10, 2024</p> <p>Dinner Presentation— TBA</p> <p style="text-align: right;">**1 PDH**</p>
<p>November 7, 2023 * At Westbury Manor</p> <p>Dinner Presentation— TBA **1 PDH**</p> <p>Membership Promotion Student Activities Night and YEA Night Resource Promotion Night</p>	<p>May 2024 * Cherry Valley Club, Garden City, NY</p> <p>ANNUAL GOLF OUTING</p>
<p>December 12, 2023 * At Westbury Manor</p> <p>Dinner Presentation— TBA</p> <p style="text-align: right;">**1 PDH**</p>	<p>May 15, 2024</p> <p>Annual Field Trip—TBA</p>
<p>January 9, 2024 * At Westbury Manor</p> <p>Dinner Presentation— TBA **1 PDH**</p>	<p>June 12th 2024 * 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 6-8, 2024</p> <p>AHR Expo</p> <p>Location: Chicago, IL</p>	<p>July 2024- TBD (4pm-8pm) * Dixie II @ Captree State Park Boat Basin, NY</p> <p>ANNUAL FISHING TRIP</p>
<p>February 20, 2024 * At Westbury Manor</p> <p>Dinner Presentation— TBA</p> <p style="text-align: right;">**1 PDH**</p> <p>Membership Promotion Night Resource Promotion Night</p>	<p>August 2024</p> <p>CHAPTERS' REGIONAL CONFERENCE (CRC) REGION I GRANIT STATE</p>
<p>February 20-26, 2024</p> <p>NATIONAL ENGINEERS WEEK</p>	

Long Island Chapter Officers & Committees

ASHRAE 2023/2024

OFFICERS

POSITION	NAME	EMAIL
President	Michael Nigro	c006@ashrae.net
President-Elect	Elizabeth Jedrlinic	c006pe@ashrae.net
Vice President	Michael Razzano	c006vp@ashrae.net
Treasurer	Matthew Catan	c006tr@ashrae.net
Secretary	Zhigang XU	c006sec@ashrae.net
Board of Governors	Richard Smith	c006bog1@ashrae.net
Board of Governors	Michael S. Gerazounis	c006bog2@ashrae.net
Board of Governors	Thomas DiBenedetto	c006bog3@ashrae.net
Board of Governors	Matthew J. Vitrano	c006bog4@ashrae.net
Board of Governors	Murat Bayramoglu	c006bog5@ashrae.net

ASHRAE 2023/2024

COMMITTEES

COMMITTEE	NAME	EMAIL
Programs & Special Events	Michael Nigro	c006pe@ashrae.net
Membership (MP)	Murat Bayramoglu	c006mep@ashrae.net
Refrigeration	Matthew J. Vitrano	c006ref@ashrae.net
Chapter Technology Transfer (CTTC)	Thomas DiBenedetto	c006cttc@ashrae.net
Government Activities (GGAC)	Rich Smith	006ggac@ashrae.net
Newsletter Editor	Alexis H. Smith	c006ne@ashrae.net
Research Promotion (RP)	Peter Conte	c006rp@ashrae.net
Historian	Thomas DiBenedetto	c006his@ashrae.net
Student Activities (SA)	Zhigang Xu	c006sa@ashrae.net
Young Engineers in ASHRAE (YEA)	Steven Gerazounis	c006yea@ashrae.net
Webmaster	Frank Paradiso	c006web@ashrae.net
Nominating	Michael Gerazounis, PE, LEED AP	nominating@ashraeli.org
Reception & Attendance	Zhigang Xu / Matt Catan / Michael S. Gerazuonis	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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\$50

YAPHANK SKEET SHOOTING

When: Saturday, October 21st

Time: 9AM – 12PM

Location:

Suffolk County Skeet, Trap & Sporting Clays

165 Gerard Rd, Yaphank, NY 11980

RSVP: Steven Gerazounis 006yea@ashrae.net



Meeting Program



Dinner Presentation

ASHRAE initiatives

**Attendees
Will Earn
1 PDH!**

Presented by: Charles Bertuch, PE

DATE:	TUESDAY, OCTOBER 10TH, 2023		
Time:	6:00 PM - Cocktails and Hors D'oeuvres 7:00 PM - Dinner Presentations 8:45 PM - Conclusion	Fee:	Members - \$50 pp Guests - \$70 pp Students - \$15 pp
Location:	WESTBURY MANOR (516) 333-7117 1100 Jericho Tpke., Westbury, NY 11590 Directions are posted at @ www.ashraeli.org		
Presentation:	<u>ASHRAE initiatives</u> All attendees will receive 1 PDH.		
About our Speaker:	Mr. Bertuch has more than 35 years professional experience as a consultant and plant engineer. He is currently transitioning into retirement from his role as Principal - Energy Solutions for Bergmann Associates in Syracuse, NY. He is a registered professional engineer (NY, MA, RI, MI), Certified Energy Manager, and LEED accredited professional, and WELL Building professional. He is the current Regional Members Council Representative for ASHRAE Region I and Past Chair of the US Green Building Council, New York Upstate Chapter.		

Meeting Program



Dinner Presentation

Domestic Hot Water Heat-Pump—
Challenges and Solutions

Presented by: Scott Shufflebotham
Sales Engineer, Daikin Applied



DATE:	TUESDAY, OCTOBER 10TH, 2023		
Time:	6:00 PM - Cocktails and Hors D'oeuvres 7:00 PM - Dinner Presentations 8:45 PM - Conclusion	Fee:	Members - \$50 pp Guests - \$70 pp Students - \$15 pp
Location:	WESTBURY MANOR (516) 333-7117 1100 Jericho Tpke., Westbury, NY 11590 Directions are posted at @ www.ashraeli.org		
Presentation:	<p>The presentation will discuss: Domestic Hot Water Heat-Pump—Challenges and Solutions</p> <p>All attendees will receive 1 PDH.</p>		
About our Speaker:	<p>Scott has been a sales engineer for Daikin Applied in New York since 2015. He has been assisting consulting engineers and owners to apply HVAC technologies that reduce carbon footprint and has been enabling clients to meet their electrification goals. For over 15 years, Scott has been in the HVAC/R industry designing and applying equipment ranging from low temperature hydrocarbon recovery chillers to centralized geothermal chiller plants.</p> <p>Currently, Scott is leading the DANY (Daikin Applied New York) team’s effort to bring proven and viable domestic hot water heat-pump solutions to the North American market. These solutions include not only Daikin technologies but also multiple manufacturers. The initial focus was on meeting the needs of local NYC agencies with accelerated electrification goals but now includes all new construction and existing buildings. Scott continues to work with the rapid development and design of specialized domestic hot water solutions.</p>		

Long Island Chapter - Past Presidents

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

PAOE

What is ASHRAE PAOE?

The ASHRAE Presidential Award of Excellence (PAOE) is a society-wide point system to track and reward chapter achievements.

Each year, the Society President establishes the point-earning activities. In this way, chapters are mobilized to work toward common Society goals. Chapters enter points they earn in our online system, and earn awards at the Region and Society level for their achievements and commitment to excellence.

PAOE POINTS FOR 2022/2023

Chapter Members	Chapter Operations	CTTC	Communi-cations	GGAC	History	Member-ship	Research Promotion	Student Activities	YEA	Chapter PAOE Totals

FROM: Farooq Mehboob SUBJECT: PRESIDENTIAL AWARD OF EXCELLENCE (PAOE)

I am writing to you on 'Securing our Future,' a subject near and dear to us for ourselves, our families, and our beloved Society ASHRAE. This is our theme for this society year. We stand today on the threshold of the new era with its challenges, climate, economic and cultural changes to name a few. Yet we have new opportunities which await us in this digital age by global collaboration using the power of our relationships, knowledge and a willingness to change. To secure our future, every one of us needs to participate passionately in a transparent ASHRAE. The bedrock on which we will build our secure future is Diversity, Equity and Inclusion. Only then will we be able to harness the power of our relationships, harvest information in the service of our members, and embrace changes by breaking down silos and overcoming resistance to change. The PAOE system was created to provide guidance to Chapter leaders in planning your chapter activities. The goal of the 2021-2022 PAOE system was to offer a roadmap for successful Chapter operation. This year's PAOE program is designed to move our Society forward as I have explained and help in securing our future.

Historian



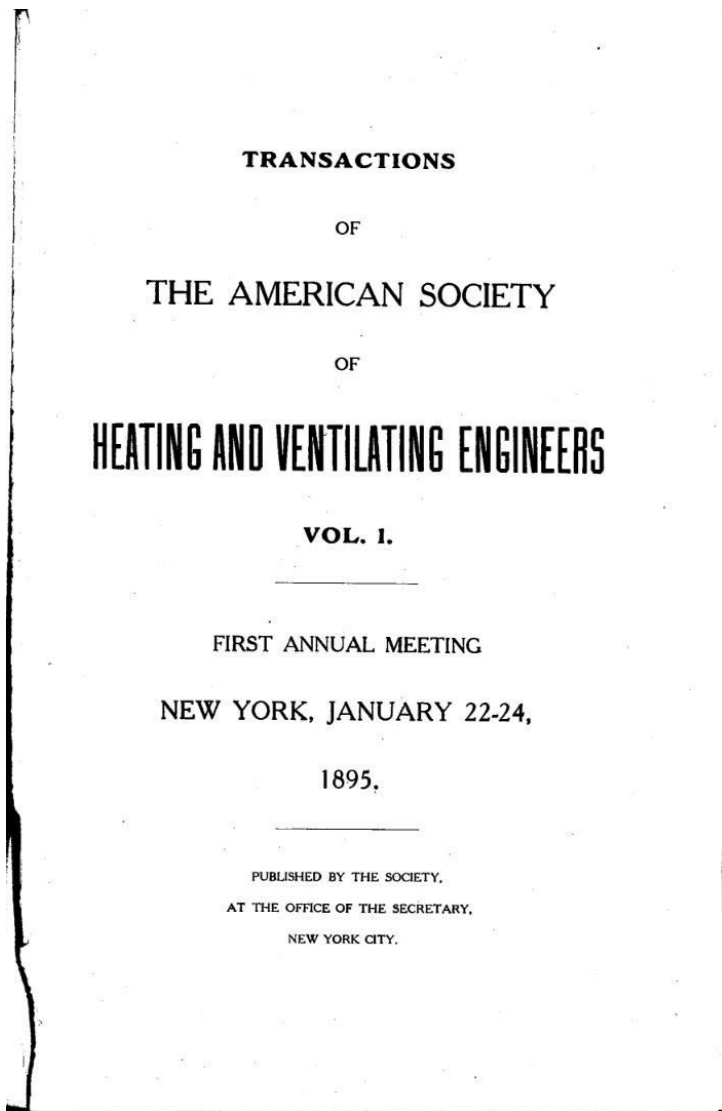
“Those who forget their history are condemned to repeat it.”

- George Santayana (Philosopher)

•
The American Society of Heating and Ventilating Engineers (ASHVE) held its first annual meeting in New York in January, 1895. The preface of that meeting is reproduced below. This document identifies the need for an engineering society, composed of the active workers in the field of heating ventilating work, where subjects of interest to the engineer would be discussed.

ASHVE holds an important role in the founding of ASHRAE as ASHVE, ASHAE, and ASRE merged to form a single organization in 1959.

Thomas DiBenedetto, PE
Historian



PREFACE.

The American Society of Heating and Ventilating Engineers was first talked of, at least with the idea of at once forming such society, during a visit of the present secretary of the society to the office of Hugh J. Barron, New York city, in the summer of 1894. This was just after the annual meeting of the Master Steam and Hot Water Fitters' Association, and while recognizing the great value of that association as a trade organization, it was thought that the time was ripe for a purely engineering society, composed of the active workers in the field of heating and ventilating work, at whose meetings subjects most interesting to the engineer would be discussed. As the result of this interchange of ideas the present secretary took it upon himself to ask the opinions of fifty or seventy-five engineers known to be much interested in their chosen line of work, as to the advisability of forming such an organization.

So many favorable replies were received that invitations were sent out to about twenty-five persons in New York city to come together at the office of *Heating and Ventilation*, 146 World Building, New York, Thursday, August 2, 1894. The following persons responded personally: A. A. Cary, James A. Harding, George B. Cobb, Hugh J. Barron, H. M. Swetland, W. M. Mackay, W. A. Russell, W. B. Wilkinson, Thomas Barwick, F. P. Smith, Albert A. Cryer, Edward A. Munro, Percival H. Seward, O. C. Breckenridge, and L. H. Hart. Mr. Fred. P. Smith was elected temporary chairman and L. H. Hart temporary clerk.

After discussion as to best methods of forming the society, etc., H. J. Barron moved that a committee of five on organization be selected and that a committee of three be appointed to select such a committee.

The committee on organization selected were Messrs. Fred. P. Smith, H. J. Barron, James A. Harding, W. M. Mackay, and A. A. Cary. The committee on organization were authorized to issue invitations and select the place of the next meeting. Motion was made by Mr. Cary, and carried, that those present sign a paper agreeing to form an organization of heating and ventilating engineers, and that they be made charter members. The meeting was then adjourned to September 10, at the call of the committee.

The committee on organization set actively at work correcting

a list of persons who were to be invited to become charter members, and circulars explaining the necessary qualifications were sent out with the invitations. In the meantime the committee worked hard and faithfully, formulating a constitution and by-laws for presentation at the next meeting.

The first regular meeting was called to order at 3 P. M., September 10, 1894, at the Broadway Central Hotel, New York, Mr. F. P. Smith in the chair, L. H. Hart, clerk. Mr. Smith explained the objects, advantages, and policy of the proposed organization.

Roll call found that 75 persons had become charter members. The present constitution and by-laws were adopted after some discussion and amendments to the one presented by the committee on organization. It was voted that the name of the society should be The American Society of Heating and Ventilating Engineers.

The constitution provides for an annual meeting in New York in January of each year, provision also being made for a semi-annual meeting to be held at various cities, date and place to be fixed at the annual meeting.

The following officers were elected to hold office until the first annual meeting in January, 1895: President, E. P. Bates, Syracuse, N. Y.; first vice-president, W. M. Mackay, New York; second vice-president, W. F. Wolfe, Boston, Mass.; third vice-president, Chas. S. Onderdonk, Philadelphia, Pa.; treasurer, Judson A. Goodrich, New York; secretary, L. H. Hart, 146 World Building, New York; board of managers, F. P. Smith, H. J. Barron, A. A. Cary, New York; James A. Harding, Vineyard Haven, Mass.; Henry Adams, Washington, D. C.; council on membership: Chas. W. Newton, Baltimore, Md.; R. C. Carpenter, Ithaca, N. Y.; Albert A. Cryer, New York, F. W. Foster, Boston, U. G. Scollay, Brooklyn, N. Y.

L. H. HART, Secretary.



“If we knew what we’re doing it wouldn’t be called research”

– Albert Einstein

I would like to thank the companies who have participated in the annual Product Directory of Manufacturers and their Representatives. The product Directory has been prepared as a service to all its members and as a service to the local HVAC industry. It will be made available to all ASHRAE and non-ASHRAE members at no-cost and can be obtained from our monthly meetings or directly from our website.

Last year’s overall research promotion goal was \$2,450,000 with many research projects on board. Our chapter raised \$28,754 towards the overall goal. I am hoping that I can count on the continued support of all our past contributors who have generously supported us over the years. I also look forward to gaining the support of new contributors this coming year. Last year we were successful in beating our goal by over \$8,000 and am hopeful that this year we can continuously raise the bar.

Thank you to our contributors

Individuals

Mr. John D. Nally
Mr. Michael Gerazounis
Mr. Peter J. Conte, PE
Ms. Elizabeth Jedrlinic
Mr. Andrew E. Manos
Mr. Matthew Vitrano
Mr. Michael Nigro
Mr. Murat Bayramoglu
Mr. Michael Steven Gerazounis
Mr. Richard W. Smith
Mr. Michael H. Razzano
Mr. Frank Paradiso

Mr. Matthew K. Catan
Mr. Donald W. Kane, PE
Mr. Thomas Arthur DiBenedetto
Mr. Ronald J Kilcarr, PE, CEM
Mr. Albert Stark

Companies

Carrier Enterprise

Trane

SRS Enterprises

Klima

The BP Group

Contributions can be made in the following ways:

1. Mail checks, made out to ASHRAE Research Promotion to:

2. Peter Conte

ASHRAE Research Promotion Chair

PO BOX 79

Commack, NY 11725

3. Hand check to me at any of the chapter meetings.

4. PayPal from the ASHRAE Long Island Website

Click Donate Button

5. www.ashrae.org

Please make sure you accredit the contribution to the Long Island Chapter 006



- Pete Conte

Chairperson

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!

This month the YEA committee is holding a Skeet Shooting event on October 21st from 9am to 12pm at Suffolk County Skeet, Trap & Sporting Clays in Yaphank . Claim your spot by RSVP'ing at the link on our website and make sure to get to Yaphank early that morning. Participants are encouraged to bring their own equipment.

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.

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](#)

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

Leadership Weekend 1.0

Join me in Chicago this fall (October 27th-29th) for YEA Leadership Weekend (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 Willis Tower on October 26th. Please use the link below to register, and hurry if you are interested as registration closes on September 26th!

<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 2024 Winter Conference in Chicago are open until October 15th. 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 Steven Sill.

Region I : Mr. Steven C Sill

Email: R01drc@ashrae.net

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.

2023 Decarbonization Challenge

ASHRAE President Ginger Scoggins, P.E. has announced her '23-'24 Society theme, Challenge Accepted: Tackling the Climate Crisis. Her plan includes a Decarbonization Challenge Fund, a year-long competitive grant (\$1,000 - \$10,000) program to implement decarbonization projects within local chapters. This program is implemented through the YEA Committee with grassroots outreach through YEA chairs/committees at each chapter and open to all ASHRAE members and chapters. Applications will be open through November 30th, 2023.

<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 Committee (GAC)

Here are some developments

National climate resilience plan

The Biden administration released on Thursday a plan to increase climate resilience nationwide. The “National Climate Resilience Framework” identifies the federal government’s six overarching climate resilience goals and provides specific actions that could be taken to accomplish them.

The plan says it centers locally tailored, community-driven solutions. The framework “will help guide wise investment of federal dollars” and indicates that the government is moving beyond traditional disaster response, said Shana Udvardy, a climate resilience analyst at the Union of Concerned Scientists, in a statement.

[National-Climate-Resilience-Framework-FINAL.pdf \(whitehouse.gov\)](#)

ASHRAE Leads the Way in Public Health Standards with Groundbreaking Resource

ASHRAE is a leader in developing guidance proven to safeguard public health. As the world grapples with a resurgence of COVID-19, along with the spread of flu and RSV, the importance of clean air flow in buildings has never been more critical. Now, the Society’s pioneering resource, [ASHRAE Standard 241, Control of Infectious Aerosols](#), provides building owners, operators and professionals the ability to proactively protect indoor environments during this fall and winter virus season.

Richard Smith – GAC Chair.

Matt Catan – Co-Chair

006ggac@ashrae.net

Refrigeration



The Refrigeration Committee is back! Check out the EPA approval on new non-flammable substitutes including R-471A & R-515B refrigerants. The article can be found via accessing the below link:

<https://www.achrnews.com/articles/153632-epa-approves-new-refrigerants-for-refrigeration>

As part of its Significant New Alternatives Policy (SNAP) program, the [Environmental Protection Agency \(EPA\)](#) recently issued a determination of acceptability ([Notice 38](#)), which expands the list of acceptable refrigerant substitutes for the refrigeration market. The new substitutes include the nonflammable refrigerants, R-471A and R-515B.

EPA found R-471A (marketed under the trade name Solstice® 471A) acceptable as a substitute for use in:

- Retail food refrigeration—stand-alone equipment (new equipment only);
- Retail food refrigeration—refrigerated food processing and dispensing equipment (new equipment only);
- Retail food refrigeration—remote condensing units (new equipment only);
- Retail food refrigeration—supermarket systems (new equipment only);
- Industrial process refrigeration (new equipment only); and
- Cold storage warehouses (new equipment only).

R-471A, which is classified as an A1 refrigerant, has a GWP of about 144 and an ODP of zero. According to Honeywell, Solstice 471A is 13% more energy efficient as compared to R-404A and 30% more energy efficient compared with CO₂.

- In addition, EPA found R-515B acceptable as a substitute for use in:
- Retail food refrigeration—refrigerated food processing and dispensing equipment (new equipment only);
- Retail food refrigeration—remote condensing units (new equipment only);
- Retail food refrigeration—supermarket systems (new equipment only);
- Commercial ice machines (new equipment only); and
- Cold storage warehouses (new equipment only).

R-515B is also classified as an A1 refrigerant and has a GWP of about 287 and an ODP of zero. For remote condensing units and supermarket systems, EPA states that R-515B's GWP is comparable to or lower than that of other acceptable substitutes for new equipment, such as R-450A (GWP of 601), R-513A (GWP of 630), R-407A (GWP of 2,110), and R-421A (GWP of 2,630).

For additional information on SNAP, visit the SNAP portion of EPA's Ozone Layer Protection website at: www.epa.gov/snap.

Michael H. Razzano
Refrigeration Chair

Kenny Balci
Refrigeration Co-Chair

MEMBERSHIP PROMOTION



The Long Island chapter had 272 active members at the beginning of this season, excluding student members. As of Oct 5, we have 273 active members. This year, our net growth goal is 277. We only need to add 4 more new members by the end of June 2024. We can easily surpass this goal with the contribution of our volunteers. We will promote activities to increase our membership. Follow our activities through this newsletter and LinkedIn.

Chapter Name	First Name	Start Total	Goal	Net Growth Goal	Net Growth Goal %
LONG ISLAND	Murat	272	5	277	1.8%

Here's the good news. New members can sign up for either Winter or Summer conference for free. I encourage our new members to contact me if they want to sign up for a conference. Students only pay \$25 per year. The Smart Start program is still active. There are so many different options available at ashrae.org, and I'm always available to assist our members.

We have 17 new members since the beginning of this season. However, 17 new members only increased our gross membership by just about 1. This means that, during this period, we, lost 16 members. We have to increase the number of new members to maintain net positive growth because people are moving, changing jobs, and canceling membership. If any of our current active members have friends interested in joining ASHRAE, please invite them to our monthly meetings. If any of our active members bring a new member, both of their dinner is on us.

Lastly, I want to welcome our new members. I encourage them to attend monthly meetings to engage with Long Island's industry professionals and learn from 1 PDH credited presentations. Our meetings at this great venue, Westbury Manor, allow guests to engage with free drinks during happy hour socially. Hope to see you all there.

- Adrian Jhansci Diaz Gomez
- Glen P. Bornhoft
- Anthony Ottaviano
- Joseph William Burke
- Denny Vayalickollattu Johnney
- Peter Sgouros
- Ethan Peck
- Troy Peter Deal
- Matthew Steven Burke
- Thomas Kenny
- Matthew R. Gropper
- Zachary Chirinkin
- Lance Montalbano Jr.
- Kavya Srinidhi Cherolu
- Christopher G. Cawley
- Ryan Burwell
- Laura Heckman

Membership Promotional Chair
Murat Bayramoglu

Sustainability Committee



The sustainability committee of the ASHRAE Long Island Chapter is looking forward to promoting insightful and educational events, meetings and seminars with the broad goal of promoting members to share their engineering knowledge and improve the world around them.

In the US, building emissions are estimated to contribute 777.53 million metric tons of CO₂ equivalent, escalating the rate of climate change on our planet^[1]. In order to mitigate this footprint, legislation has been passed at both the local level^{[2][3]} and at a federal level^[4] to incentivize green energy initiatives and discourage local building emissions.

Building decarbonization is an extremely popular topic in 2023, and I believe nearly all my fellow ASHRAE colleagues have been, and will continue to be affected professionally by this relatively new page in HVACR...

Albert Stark
ASHRAE LI Sustainability Chair

[1]. <https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions#commercial-and-residential>

[2]. <https://www1.nyc.gov/site/sustainablebuildings/ll97/local-law-97.page>

[3]. https://www1.nyc.gov/assets/buildings/local_laws/ll154of2021.pdf

[4]. <https://www.congress.gov/bill/117th-congress/house-bill/5376>

Student Activities



Student Activity Overview

Hello everyone! Welcome back for the exciting start of the 2023-2024 ASHRAE calendar.

As the Student Activities Chair, I am very honored to be the liaison for our ASHRAE Long Island Chapter to the bright young people in our region who are interested in HVAC&R industry.

As you may already know, each year, ASHRAE awards scholarships range from \$3,000 to \$12,500 each to help qualified students to achieve their educational goals. Over the course of 30 years ASHRAE has awarded over \$2.25 million to 400+ deserving students. Do you want to be one of them? Currently there are 53 ASHRAE Society Scholarships available for 2023-2024. **Applications due December 1, 2023.** Check this out:

<https://www.ashrae.org/communities/student-zone/scholarships-and-grants/ashrae-scholarship-program>

Also, the ASHRAE Student Activities Committee is offering five \$1,000 USD travel grants to help subsidize students to travel to the Winter Conference in Chicago in January 2024. **Applications due September 30, 2023.** If interested, please check for more details, and apply here:

<https://www.ashrae.org/communities/student-zone/scholarships-and-grants/student-activities-travel-grant>



Are you competitive? ASHRAE also has a Competition Program to enhance students' understanding of HVAC&R system design and sciences. 2024 Design Competition, 2024 Applied Engineering Challenge, 2023 Building EQ (Building Energy Quotient) Competition, 2023 ASHRAE High School Student Competition, 2023 HVAC&R Student Paper Competition, etc. are all going on, RIGHT NOW. Learn more details:

<https://www.ashrae.org/communities/student-zone/competitions>

Of course, there are even much more. Explore ASHRAE Student Zone:



<https://www.ashrae.org/communities/student-zone>

Please reach out for more information if you are interested in participating any of the above programs. If you have any suggestions or would like to assist in anyway with student activities, please let me know. I look forward to seeing a lot of young faces for ASHRAE Long Island!

Zhigang Xu

Student Activities Chair

Diversity & Inclusion



Overview

ASHRAE is committed to providing a welcoming environment. Our culture is one of inclusiveness, acknowledging the inherent value and dignity of everyone. We proactively pursue and celebrate diverse and inclusive communities understanding that doing so fuels better, more creative, and more thoughtful ideas, solutions and strategies for the Society and the communities our Society serves. We respect and welcome all people regardless of age, gender, ethnicity, physical appearance, thought styles, religion, nationality, socioeconomic status, belief systems, sexual orientation or education.

ASHRAE Training Recordings: DEI Foundations & Implicit Bias in Decision-Making

Video Topics include Microaggressions, Equality vs Equity, Cultural Competency, Understanding Implicit Bias in Decision-Making, DEI Foundations

Video Link: <https://presentationaccess.ashrae.org/Index?identity=memberchair>

DEI Suggested Readings:

- Blind Spot: Hidden Biases of Good People – Mahzarin R.R. Banaji and Anthony Greenwald
- Thinking Fast Slow - Daniel Kahneman
- The 4 Stages of Psychological Safety: Defining the Path to Inclusion and Innovation – Timothy R. Clark
- The Sum of Us: What Racism Costs Everyone and How We Can Prosper Together - Heather McGhee
- So You Want to Talk About Race – Ijeoma Oluo
- Inclusive Conversations – Mary-Frances Winters
- The 5 Disciplines of Inclusive Leaders – Andres T. Tapia & Alina Polonskaia
- How to Manage Conflicts: 7 Easy Steps to Master Conflict Management, Conflict Resolution, Mediation & Difficult Conversations – Amy Gallo
- Radical Candor – Kim Scott
- Biased: Uncovering the Hidden Prejudice That Shapes What We See, Think and Do – Jennifer Eberhardt
- What Works: Gender Equality by Design – Iris Bohnet
- Disability Visibility: First Person Stories from the 21st Century – Alice Wong
- Men Explain Things to Me – Rebecca Solnit

Members of the ASHRAE Board of Directors Diversity, Equity and Inclusion Subcommittee:

- Kishor Khankari, *Chair*
- Cheng Wee Leong
- Devin Abellon, *Consultant*
- Susanna Hanson, *Vice Chair*
- Heather Schopplein
- Dunstan Macauley III, *Consultant*
- Mahroo Eftekhari
- Jonathan Smith
- Tanisha Meyers-Lisle, *Staff Liaison*

The Push Toward Gender Diversity In The HVAC Industry

In response to the labor gap and shifting trends, HVAC industry leaders are pushing to include more women in this traditionally male-dominated field. - By Kevin Burns

According to the United States Department of Labor, almost half of the total American labor force is comprised of women — and yet, barely 1% of all heating, air conditioning, and refrigeration technicians are women. As the Baby Boomer generation begins to enter retirement, more HVAC contracting jobs have become available; employment of HVAC installers is expected to grow 15% over the next seven years, significantly faster than the average for all other occupations.

(Credit: www.hvacschool.org)

Many industry leaders have pushed to include more women in this traditionally male-dominated field in order to account for the labor gap and shifting trends overall. According to a 2017 report by American Express, women-owned businesses have experienced explosive growth — and don't show any signs of slowing down.

What does this mean for the HVAC industry? How are industry leaders working to promote change and reach out to the largest untapped demographic available?

Why HVAC?

When most people picture the average HVAC expert, they likely imagine a man. Challenging the stereotype that HVAC technicians are always men is the first step to encouraging women to join this ever-growing industry; once that's completed, women are often excited by the possibilities. A career in HVAC certainly offers a lot more than your typical day job.

Many HVAC technicians express excitement that no two days are the same, and the opportunity for overtime work almost always exists. Women who have joined the HVAC industry have commented on the many benefits that their new careers have given them, namely the security of steady work now and the forecast for growth in the next decade.

Perhaps most notably, women get paid roughly the same amount — an average of \$45,110 in base pay per year — as do men in the industry. This is no small matter, as women across the nation in various industries lobby for equal pay.

Groups Leading The Charge

The most prominent organization helping women break into the HVAC industry and thrive once there is Women in HVACR. They provide scholarships and mentorship to young women and continue to support and connect women to companies throughout their career development. Furthermore, they discount certain educational opportunities, provide access to specialized forums and a directory of women leaders in the industry, and offer one-on-one guidance.

Women in HVACR helps host the annual HVAC Comfortech conference, where women in charge of HVAC companies and other leadership positions discuss topical concerns, such as organizational bias, sexual harassment, and attracting more women to the industry at large.

Other organizations committed to emphasizing the role of women in the HVAC industry include the International Association of Sheet Metal, Air, Rail, and Transportation Workers (SMART) union and the Sheet Metal and Air Conditioning Contractors' National Association (SMACNA), which has created a steering council for women in leadership positions. The council will continue to provide guidance and leadership on technical and developmental issues.

Changing Minds, Changing Demographics

Dozens of significant and powerful companies have joined the Paradigm for Parity since its 2017 inception, including HVAC industry leader Trane (an Ingersoll Rand brand). Paradigm for Parity strives to "fix the corporate leadership gender gap." Their stated goals include eliminating unconscious bias, significantly increasing the number of women in senior leadership positions, measuring and communicating actionable targets, merit-based and performance-based career advancement, and sponsorship and mentorship of women with potential.

Johnson Controls created a Women's Resource Network nearly 10 years ago whose principal design was to empower a diverse workforce. They now host a biannual "Women in HVAC" event, a two-day meet-up of professionals within the industry who want to tear down misconceptions, test new commercial equipment, and tour state-of-the-art facilities. "Women in HVAC" offers educational and networking options for the various people that make up the HVAC industry, including contractors and service technicians, but also distributors, engineers, marketing, and sales professionals.

Other initiatives designed to cultivate and foster enthusiasm for women in the HVAC industry include CEO Action for Diversity and Inclusion, Women in Manufacturing (WiM), WEConnect International, the Greater Women's Business Council (GWBC), and the Women's Business Enterprise National Council (WBENC).

School's In Session

The education and certification required to become an HVAC technician can be acquired in as little as six months in some states, and after a year or so (plus on-the-job apprenticeships and training), a woman could be prepared for a career of servicing, maintaining, repairing, and selling HVAC systems. Many companies begin outreach by hosting career fairs and awarding scholarships to young women who show interest in HVAC service.

Of course, encouraging women to pursue STEM-related careers at younger ages has also helped change the landscape. Ruth Ann Davis, the president of Women in HVACR, has stated specifically that reaching out to technical schools, trade schools, and high schools is part of the long-term, woman-centric growth of the HVAC industry.

The Dwyer Group, which owns eleven franchise brands servicing HVAC equipment, created in 2012 the Women in the Trades program, which awards two scholarships per year; to those interested in HVAC and other hands-on trades.

Women In Action

The HVAC industry affords women other career opportunities beyond the contractor role. Ilana Koegelenberg, editor at Cold Link Africa and the Refrigeration and AC Africa Journal, has stated that working in an “incredibly male-dominated industry...can be scary,” but through hard work and resilience, women in roles like hers have highlighted how the industry can “celebrate excellence, regardless of gender.”

The landscape is dotted by those who have developed their careers into formative and influential roles. Take for instance Laura Rygielski, Trane's district general manager, who heads a team of more than 300 people, or Georgia Berner, who has been the successful president and CEO of Berner International for decades after her husband passed away in 1984. There's also Jessie Meyers, who has risen to the role of research and development engineer at Semco LLC; she describes her position as taking “a new product from the design stage through testing and listing requirements...for [production] at our manufacturing plant.”

Lindsay Nguyen, a chiller applications engineer for positive displacement at Daikin, suggests that as a woman in the HVAC industry, she has “the ability to showcase [her] skills and knowledge in a manner not all men might experience,” and that she loves the feeling of attitudes shifting when she presents innovative ideas. Bonnie Baumgartner, also at Daikin, describes her role of a pricing analyst as “very complex and dynamic” while still utilizing her background in engineering.

As you can see, the landscape within the HVAC industry continues to shift and evolve, providing avenues to career success and satisfaction for both men and women. We would all do well to recognize the importance of inclusion and increasing diversity within our field, and to support those organizations seeking to accomplish those goals.

Matthew K. Catan

Diversity & Inclusion Chairman

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FOR MORE INFORMATION GO TO - <https://www.ashrae.org/education--certification/certification>

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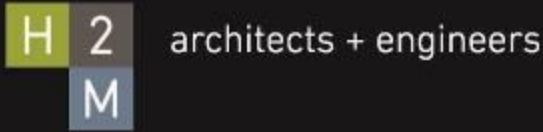


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