

THE LONG ISLAND SOUNDER



Long Island
Chapter

2022-2023

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PRESIDENT'S MESSAGE



The 2022-2023 season is approaching for the ASHRAE Society and ASHRAE-LI Chapter members for socializing, networking, and, most importantly, learning experience. The Society's learning and standard/guideline experience never end, says it the 128 years of experience. Our local Chapter, founded in 1957, is also dedicated to improving the quality of life indoors like The Society and has already added the outdoor quality of life that is environmental sustainability into the context. The miracle of all the services done by the Society, Regional, and Chapter levels are generated by thousands of volunteers

worldwide. Considering all these dedications, I want to thank our most recent president Matthew J. Vitrano, the board, and the committee members of the 2021-2022 season for their hard work, dedication, and consistent volunteering. Another special recognition for her commitment and service for about 20 years goes to Liset Cordero. She decided to retire from her Newsletter editor role upon her career advancement at her current company. Many thanks, and I wish her success in her new role.

Now, we are opening another chapter for a new adventure with our new board and committee members, mainly from the younger generation. The new members' vibrant energy will enhance our impact as one of the top chapters in the region. Long Island, one of the wealthiest regions in the country, with approximately 3 million population, excluding the Kings and Queens Counties, houses engineering firms serving both the island and the NYC metropolitan area. Our Chapter will keep supporting the engineering and HVAC-R industry firms by conveying the latest policy, technology, and industry updates to them. Long Island engineers experiencing both urban and sub-urban lifestyles are always being encouraged to design the most innovative project due to the demand from the competitive building owners. The manufacturers production lines must be the best efficient and most competitive product. The contractor firms installing these innovative projects must have the most talented technicians and installers on the field. The Island's HVAC-R industry share their indefinably valuable experiences with our chapter as a give back. We will maintain and improve our relationship by supporting human and natural health in the first line. \$212,000. The Government Affairs Committee is already in contact with

We will try to inform the firms with the new technological developments and new designs considering the electrification and decarbonization efforts. We encourage our members and guests to follow our upcoming programs along with our newly established Sustainability Committee through the Long Island Sounder and LinkedIn account.

We will be as usual holding our meetings at Westbury Manor every second Tuesday of each month starting with free cocktail hours at 6 pm. This great HVAC-R industry networking event will be enhanced with 1 PDH credit presentation and lessons learned sessions. Our programs and CTTC committee have already started to schedule these events. On the other hand, the YEA committee members will remain active by planning events at beer breweries, go-cart racing, and such to reach more young engineers. We may organize other unexpected events for the young engineers, wait for it. Another goal is to distribute more scholarships to more students by raising money for the students. Andy Manos won The Top Dog award from the Society in June by raising \$28,451 for the Chapter's research and promotion. He also reached his regional goal of \$212,000. The Government Affairs Committee is already in contact with NYSERDA to convey the latest updates on Workforce Training and other incentives. Also, the GCA will plan to contact local or regional government officials to inform them of the importance of ASHRAE's role in building system design and human health. Last year, the Membership Promotion committee awarded the top Long Island firms that increased their employee's participation in the chapter membership for the 'membership battle competition'. These awards will be extended to other categories such as best design, sales engineer, the year's most innovative design and design firm. Our historians contact the past presidents and interview them to convey their experiences to the new generation and keep the historical record. The historian committee will display the Chapter's History Boards at the CRC in NH this year. Our top event, the Golf Outing at Cherry Valley has raised the highest money so far for the chapter. Long Island Chapter owes a big thank to the architect of this great success that led by Peter Gerazounis. Our communications committee works tirelessly every month to share information about the activities and update the website ashareli.com, newsletter, and social media accounts.

We are excited for the CRC event that is in Concord, NH, this year to plan our new season at the regional and societal levels. We will share new information learned from the CRC event and the images of the great moments of the social activities. Moreover, I'm personally waiting to meet with the top ASHRAE society leaders and industry experts again. I'm excited to see our chapter committee members in Concord. Have a safe trip.

Murat Bayramoglu
Chapter President

Chapter Monthly Meeting - Program for 2022/2023

September 13, 2022 * At Westbury Manor Dinner Presentation – Heat Pump and Heat Recovery in Hydronic Systems Presenter: Albert Stark **1 PDH**	March 7, 2023 * At Westbury Manor Dinner Presentation— TBA **1 PDH** Student Activities Night YEA Night
October 11, 2022 * At Westbury Manor Dinner Presentation — TBA **1 PDH**	April 11, 2023 Dinner Presentation— TBA **1 PDH**
November 8, 2022 * At Westbury Manor Dinner Presentation— TBA **1 PDH** Membership Promotion Student Activities Night and YEA Night Resource Promotion Night	May 2023 * Cherry Valley Club, Garden City, NY ANNUAL GOLF OUTING
December 13, 2022 * At Westbury Manor Dinner Presentation— TBA **1 PDH**	May 10, 2023 Annual Field Trip
January 10, 2023 * At Westbury Manor Dinner Presentation—TBA **1 PDH**	June 2023 * At Westbury Manor Free Buffet Dinner for Members PAST PRESIDENTS NIGHT & OFFICER INSTALLATION STUDENT SCHOLARSHIPS TO BE AWARDED ASHRAE History Quiz and prize Give-A-Ways
February 6-8, 2023 AHR Expo Location: Atlanta, GA	June 2023 - TBD (4pm-8pm) * Dixie II @ Captree State Park Boat Basin, NY ANNUAL FISHING TRIP
February 7, 2023 * At Westbury Manor Dinner Presentation— TBA **1 PDH** Membership Promotion Night Resource Promotion Night	August 2023 CHAPTERS' REGIONAL CONFERENCE (CRC) REGION I GRANIT STATE
February 20-26, 2023 NATIONAL ENGINEERS WEEK	

Long Island Chapter Officers & Committees

ASHRAE 2020/2021 OFFICERS

POSITION	NAME	PHONE	EMAIL
President	Murat Bayramoglu	631.312.8818	c006@ashrae.net
President-Elect	Michael Nigro	212.643.9055	c006pe@ashrae.net
Vice President	Elizabeth Jedrlinic	516.490.1621	c006vp@ashrae.net
Treasurer	Michael Razzano	407.489.6684	c006tr@ashrae.net
Secretary	Matthew Catan	516.805.3084	c006sec@ashrae.net
Board of Governors	Zhigang Xu		c006bog1@ashrae.net
Board of Governors	Rich Smith		c006bog2@ashrae.net
Board of Governors	Michael S. Gerazounis	212.643.9055	c006bog3@ashrae.net
Board of Governors	Thomas DiBenedetto		c006bog4@ashrae.net
Board of Governors	Matthew J. Vitrano	631.694.4122	c006bog5@ashrae.net

ASHRAE 2020/2021 COMMITTEES

COMMITTEE	NAME	PHONE	EMAIL
Programs & Special Events	Michael Nigro	631.312.8818	c006pe@ashrae.net
Membership (MP)	Michael Razzano	516.805.3084	c006mep@ashrae.net
Refrigeration	Matthew J. Vitrano		c006ref@ashrae.net
Chapter Technology Transfer (CTTC)	Thomas DiBenedetto	631.312.8818	c006cttc@ashrae.net
Grassroots Government Activities (GGAC)	Rich Smith	718.269.3768	c006ggac@ashrae.net
Newsletter Editor	Alexis H. Smith	212.643.9055	c006ne@ashrae.net
Research Promotion (RP)	Peter Conte	212.643.9055	c006rp@ashrae.net
Historian	Chris Mackey	516.490.1621	c006his@ashrae.net
Student Activities (SA)	Zhigang Xu	407.489.6684	c006sa@ashrae.net
Young Engineers in ASHRAE (YEA)	Michael S. Gerazounis	212.643.9055	c006yea@ashrae.net
Webmaster	Frank Paradiso	631.632.2792	c006web@ashrae.net
Nominating	Michael Gerazounis, PE, LEED AP	212.643.9055	nominating@ashraeli.org
Reception & Attendance	Zhigang Xu / Matt Catan / Michael S. Gerazounis		reception@ashraeli.org
PR & Engineering Joint Council of LI (EJCLI) Liaison	Andrew Manos, LEED AP	631.632.2792	pr@ashraeli.org
Golf Outing	Peter Gerazounis, PE LEED AP	212.643.9055	golf@ashraeli.org
Awards	Brian Simkins	203.261.8100	c006ha@ashrae.net
ASHRAE LI, P.O. Box 79, Commack, NY 11725			

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Meeting Program



Dinner Presentation

Heat Pump and Heat Recovery in
Hydronic Systems

Presented by:

Albert Stark

Sales Engineer – SRS Enterprises Inc.

**Attendees
Will Earn
1 PDH!**

DATE:	TUESDAY, MARCH 8, 2022		
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>This month's presentation will review the following:</p> <p><u>Heat Pump and Heat Recovery in Hydronic Systems</u></p> <p>Design incorporation of hydronic heat-recovery and heat-pumping into buildings, both retrofit and new construction. Considerations for these "new" design systems, and how to maximize energy/emissions efficiency.</p> <p>All attendees will receive 1 PDH.</p>		
About our Speaker:	<p>Albert Stark graduated Stony Brook University with a B.E. and M.S. in Mechanical Engineering in 2015. Since then, he has worked for various companies in the manufacturing and manufacturer's representative market. He currently works at SRS Enterprises as an equipment sales engineer. He is also currently a NYS certified EIT with plans on applying for the PE license.</p>		

CHAPTER MAY NOT ACT FOR SOCIETY

An International Organization

The Long Island Chapter is looking for presenters for the remainder of the year. Please contact us if you are interested in presenting to our membership.

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

Double click on document below to sign up!



Engineers Joint Committee of Long Island

*Anthony Cacioppo, P.E., Chair
Paul Lanzillotta, PE, Vice-Chair*

NETWORKING EVENING **with DINNER and ETHICS SEMINAR**

Thursday, September 29, 2022

Place: Hilton Garden Inn Melville, 1575 Round Swamp Rd,
Plainview, NY 11803 516 -755-5552 (Front Desk)

Program:	6:00 pm – 7:00 pm	Networking and Dinner
	7:00 pm – 9:00 pm	Seminar (2.0 PDH)
	9:00 pm – 9:30 pm	Cash Bar and Networking

Seminar: *"What Does the Future Hold for Ethics in the Engineering Profession"*

Description: Come learn about the history and roots of engineering ethics. Learn how ethics in engineering was developed and how it grew in the profession. From there, we will explore the current challenges and perceptions of ethics in the engineering world and the future that this topic has in the professional engineering field.

Speakers: Brian J. Galli, PhD, P.E. is an assistant professor of engineering at Hofstra University School of Engineering & Applied Sciences. He serves as the graduate director for the Engineering Management master's degree program

This 2 PDH seminar is approved for the **Ethics Seminar** requirement by New York State.

MEMBER SOCIETIES

New York State Society of Professional Engineers
-Long Island Chapter
American Institute of Aeronautics & Astronautics
Institute of Industrial Engineers
American Society of Civil Engineers
US Merchant Marine Academy

Institute of Electrical & Electronic Engineers
American Society of Heating Refrigeration
& Air Conditioning Engineers
American Society of Mechanical Engineers
Society of Women Engineers
Society of Manufacturing Engineers
New York Institute of Technology – Old Westbury

Farmingdale State University
Stony Brook University
Hofstra University
International Society for Automation
American Society for Engineering Education
American Society for Quality

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	Communications	GGAC	History	Membership	Research Promotion	Student Activities	YEA	Chapter PAOE Totals
277										

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.

Research Promotion From June Recap



"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.

This year's overall research promotion goal is \$2,593,341 with many research projects on board. Our chapter is expected to raise \$20,400 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.

Thank you to our contributors:

Individual

John D. Nally
 Michael Gerazounis
 Matthew K. Bendix
 Elizabeth Jedrlinic
 Andrew E. Manos
 Matthew Vitrano
 Michael Nigro
 Murat Bayramoglu
 Michael Steven Gerazounis
 Richard W. Smith
 Michael H. Razzano
 James Hanna
 Frank Paradiso
 Matthew Catan
 Donald Kane
 John C. Cronin, Jr

Companies

H2M Architects + Engineers
 Robert Half
 Trane
 SRS Enterprises
 Accuspec
 Tower Enterprises
 MV Controls
 Metro Air Products
 ADE Group
 Belimo Aircontrols (USA)
 Miller Proctor Nickolas
 Technical Air Systems
 Mitsubishi
 Klima
 Gil-bar
 Victaulic
 Catan Equipment Sales Rathe
 Associates Bush Sales Dagher
 Engineering

CONTRIBUTIONS CAN BE MADE IN THE FOLLOWING WAYS:

- 1) You can mail your checks, made out to ASHRAE Research Promotion:
 Michael Nigro
 ASHRAE Research Promotion Chair
 PO BOX 79
 Commack, NY 11725
- 2) You can bring your check to any of the meetings and hand to myself or Elizabeth.
- 3) You can contribute via PayPal from the ASHRAE LONG ISLAND web site, just click on the donate button.
- 4) You can contribute directly on-line. www.ashrae.org

*** Please make sure you accredit your contribution to the LONG ISLAND CHAPTER 006 ***

Thank you again for all of your support!

Michael Nigro
Research Promotion Chair

History From June Recap



These days, ductless air conditioning has been taking over the market. Leading ASHRAE and other professional organizations to focus on new standards and guidelines to keep up with its growth and popularity. But have you ever wondered where it all began?

“Since its introduction in the 1970s, the world has become more familiar with the concept of a ductless air conditioning system as an alternative heat source. Between 1954 and 1968, Japanese enterprises Mitsubishi Electric and Toshiba pioneered the technology. It was created as an upgrade from the window unit. The key objective was to offer cooling to houses and buildings where a more extensive, whole-system approach was either impractical because of space or monetary limitations, but subsequently offered far more pleasant cooling technology. Initially available only as a window air conditioner or a wall-mounted

indoor unit option, the ductless air conditioning system provided enhanced performance, higher efficiency, and the ability to regulate separate zones. The possibility to remotely place the system’s condensing outdoor unit and therefore relocate the sound-bearing components from the living area was a significant benefit in freeing up window space. The fact that the small, compact condensing units could be put in various locations, keeping up with the space-restricted Japanese building practices, while being energy efficient, was one of the major elements in the ductless system’s early popularity. To this day, the worldwide baseline ductless product is a wall-mounted indoor unit, which accounts for approximately 75% of total global mini split system sales. Several manufacturers saw opportunities and introduced additional ductless indoor units, such as floor consoles and ceiling-suspended units to their existing HVAC systems. Concealed ducted-style and concealed ceiling cassette units have also been created, giving the ductless mini splits a new application.”

If you are interested in learning more, you can find the full article here: <https://nordics.ca/ductless-air-conditioning/the-history-of-ductless-air-conditioning/>

Elizabeth Jedrlinic
History Chair

Michael Razzano
History Co-Chair

CTTC



We're looking forward to kicking off an exciting new year at ASHRAE. The ASHRAE Long Island chapter is assembling a series of intriguing speakers and presentations for the 2022-2023 period. We hope to see you at all the chapter meetings.

This month's CTTC section of the Long Island Sounder highlights an article from the August 2022 ASHRAE Journal titled, "Saving Money with Real-Time VAV Control Optimization." Authored by Andrew Martin, this article examines an opportunity for energy savings through clever optimization of VAV systems. Given the goal of NYC Local Law 97 to achieve 40 percent reduction in aggregate greenhouse gas emissions by 2030 relative to emissions from 2005, every opportunity to reduce energy usage must be explored.

Thomas DiBenedetto
CTTC Chairman

Murat Bayramoglu
CTTC Co-Chairman

Saving Money with Real-Time VAV Control Optimization

From the August 2022 ASHRAE Journal

Authored by Andrew Martin

Executive Summary

Outdoor airflow into a building is necessary for occupant health and comfort, but conditioning it requires large amounts of energy and makes overventilation an expensive problem. VAV systems can reduce this cost by increasing the efficiency of ventilation air distribution. The secret is to oversupply discharge air to certain zones, despite the reheat penalty incurred by doing so. This counterintuitive approach reveals a trade-off in how energy is consumed to optimize the HVAC system.

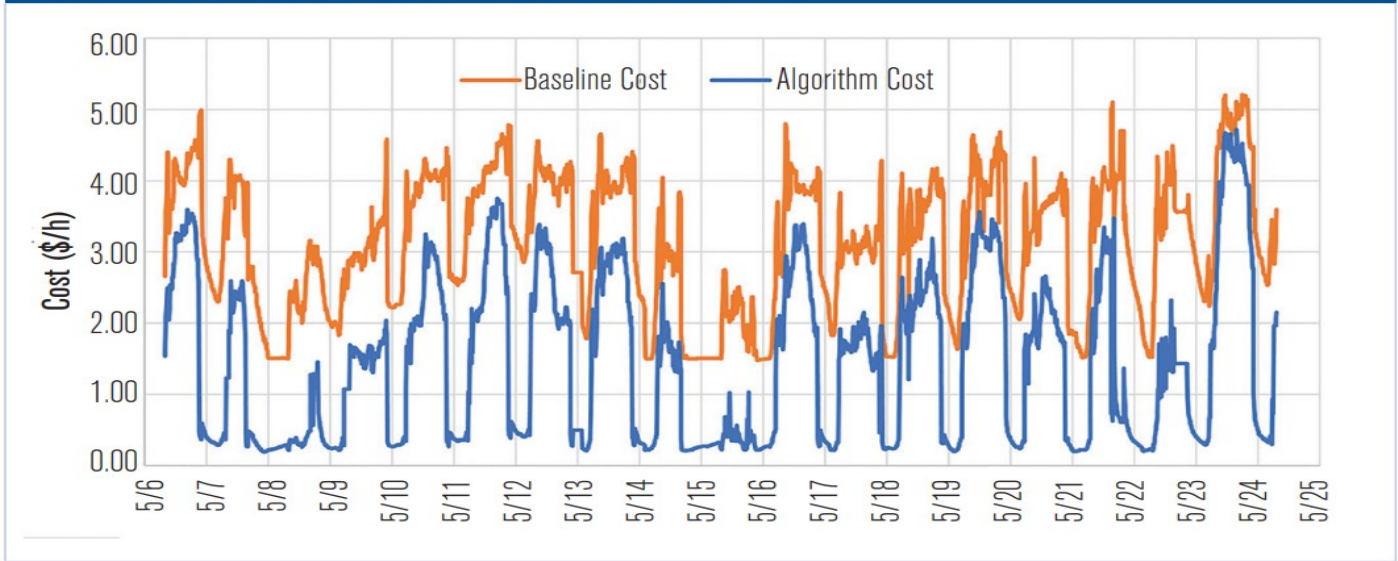
This article examines single-duct VAV systems with terminal reheat both with and without demand-controlled ventilation. Because of their relative simplicity and good energy performance, VAV systems are a popular choice for applications that have many zones, such as offices and academic buildings. VAV systems have a couple of limitations, however.

One drawback of VAV systems is that a single air handler is tasked with ventilating multiple zones within the building. This is problematic because not all zones are created equal. Some zones, like lecture halls, have large floor areas and high occupancies; thus, they have high ventilation requirements when in use, while others may be small single-person offices. Since the outdoor air is evenly mixed into the supply air, a VAV system cannot direct that ventilation precisely where it needs to go. Inevitably, to meet the requirements of zones that need a higher fraction of outdoor air, zones with lower relative requirements may become overventilated.

Another drawback of VAV systems is that the air handler can only provide supply air at a single temperature. This temperature must be low enough to dehumidify and cool all zones without exceeding the zone maximum design airflow rate. As a result, some zones require reheat to meet both ventilation and temperature conditioning requirements.

CTTC

FIGURE 3 Algorithm operating cost versus baseline in test building.



By increasing the discharge airflow in just the critical zone, the outdoor air requirement can be dramatically reduced, resulting in energy savings from the decreased conditioning requirements at the air handling unit. However, supplying more air to the critical zone beyond what is necessary to satisfy the sensible load requires that the discharge air be reheated to prevent the zone from getting too cold. This newly required reheat constitutes an energy penalty.

At some point while increasing airflow to the critical zone(s), the additional savings that come from the reduction in the outdoor air requirement will be eclipsed by the rise in reheat consumption, fan power for moving the extra airflow, and cooling of the additional return air. The precise location of the point of minimum energy usage depends on many realtime system conditions, such as utility rates and each airstream's temperature and enthalpy. As sensible loads and air parameters change over time, the minimum value will shift. The optimization of this tradeoff can be programmed into a BMS to realize large cost and energy savings.

YEA



Hello everyone, I am your returning YEA chair, Michael 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 AHRAE and YEA events!

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

Leadership Weekend 1.0

This event is one I can highly recommend from personal experience. If you are looking for an opportunity to grow personally and have an opportunity to network with a bunch of other fellow YEA members I cannot recommend this even enough. This Fall (November 4th~6th) will have the event hosted in Vancouver. Please go to the YEA leadership weekend event under the YEA section of the ASHRAE website to register for the event. Please hurry if you are interested as registration closes on September 20th!

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 officers' events, board meetings and social activities. Applications for this program is open until November 13th. Please look under the YEA Events & Programs tab on the website for more details.

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 on October 10th so please be on the lookout to take advantage of this opportunity!

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.

- Michael Steven Gerazounis

YEA

Student Activities



Here we are!! When schools kick off the new semester, we are excited for the start of the 2022-2023 ASHRAE calendar.

As the elected 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, ASHRAE is “Shaping Tomorrow’s Built Environment Today”. Guess who is Tomorrow? It’s you, students. Each year, ASHRAE awards scholarships of up to \$10,000 each to help qualified students to achieve their educational goals. Do you want to be one of them? There are 53 ASHRAE Society Scholarships available for 2023-2024. Check this out:

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

Also, the ASHRAE Student Activities Committee is offering two \$1,000 USD travel grants to help subsidize students to travel to the Winter Conference in Atlanta, Georgia in February 2023. Applications are due by September 30, 2022. So, the clock is ticking...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. 2023 Design Competition for energy-efficient HVAC systems, 2023 Applied Engineering Challenge for COVID-19, 2023 ASHRAE 3D Modeling 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 of any of the above programs. If you have any suggestions or would like to assist in anyway with student activities, please do not hesitate to let me know. I look forward to seeing a great year for ASHRAE Long Island and a group of young rising stars!

- Zhigang Xu

Student Activities Chair

Sustainability Committee



Hello everyone and welcome to ASHRAE 2022-23! The sustainability committee is a brand new feature of the ASHRAE Long Island Chapter. I will be 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 2022, and I believe nearly all my fellow ASHRAE colleagues have been, or will be affected professionally by this relatively new page in HVACR...

That said, I am extremely excited to kick off this season's first ASHRAE LI Chapter Meeting presentation: *Design Overview of Compressorized Heat-Pump & Heat-Recovery in Hydronic Systems*. My goal is that this presentation will help demystify hydronic-based heating electrification projects from a design perspective. See you at Westbury Manor on 9/13/22!

More events to come, please stay tuned!

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

[2]. <https://www1.nyc.gov/site/sustainablebuildings/l197/local-law-97.page>

[3]. https://www1.nyc.gov/assets/buildings/local_laws/l154of2021.pdf

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

- Albert Stark

Government Affairs Committee (GAC)



Climate Mobilization Act - NYS Decarbonization Pathways

As we near another Deadline for a new bold step into Carbon Neutrality I look back at the simpler times of moving from Oil to Natural Gas. The reduction of Pollutants and overall better Air Quality was almost instantly realized.

The next few years are where the Rubber Hits the Road. Enforcement of the benchmarks that have been measured and how do you measure up starts with Shame but ultimately ends with Pain. (\$Fines\$)

A New Metric of Building Viability must now be considered especially in the neighborhoods where the Gov't is sponsoring tenants and rent is lower than newer buildings. An unintended consequence may occur where many buildings will be torn down and rebuilt displacing many and the newer building may only require 30% participation in Programs increasing revenue for the owners but removing that apt from the HUD roles.

This oversight points out the need for greater collaboration between the Climate agencies, ASHRAE Society and Policy makers to make sure it all adds up. ASHRAE has joined with NYCERDA to develop the forum where this can take place. Getting us all together we can move in a measured and safe way to ensure that the reduction of our Carbon Footprint is a better transition for all.

Resources:

Put in your Search bar "NYS decarbonization pathways" for more information about this topic

Also "NY Stretch 2023"

<https://www.nyserda.ny.gov/All-Programs/Energy-Code-Training/NYStretch-2023>

Richard Smith – GAC Chair

MEMBERSHIP PROMOTION



"The strength of the team is each individual member. The strength of each member is the team."

- Phil Jackson

Hope everyone had a great summer & welcome back to another year here at the ASHRAE Long Island Chapter. It's been a another trying year and parts of life that were "normal" to us pre-covid are coming back little by little. As the Phil Jackson's quote, it reflects on the true value of a strong team or in our case our local chapter. Our chapter consist of multiple individuals that make our "team" strong, as well as a success. Our team is here to help each other towards a common goal & to work as ONE to achieve it, while inspiring others constantly along the way. Our current ASHRAE board & specifically our Membership Promotion

Committee is focused on new members recruitment, retaining existing members, as well as rewarding members for their involvement. Our recruitment efforts will continue the momentum built the last year by my current team together with the help of our new president, Murat Bayramoglu. Along with improving our current chapter, we will focus on growing new member participation in chapter meetings along with team building events. We hope to continue having a few Membership Promotions themed nights this year that will include incentives for bringing non-members to chapter meetings, as well as getting new members to sign up with ASHRAE & our Long Island Chapter.

To conclude, we will be working on a number of events, as well as outings for our chapter members this year. For the start of the year, we will have our monthly meetings in person and like we've done in the past & if needed, have virtual meetings. Our goal is to have all our monthly meetings to include professional development seminars, as well as our networking happy hours. Moving to our events/outings, they are tentatively being discussed & once finalized, my membership committee will announce them. At these events, the board hopes members utilize them allowing all of us to further engage each other. Please feel free to advise me or anyone on the board with any event and/or seminars you would like to have. Some of these pending events will include regular chapter sponsored golf events, happy hours, holiday party, networking events, potentially an event on career development and field trips.

Looking forward to a great year and thank you in advance for your support, time & guidance.

I would like to informally welcome our new members this month:

1. Albert Stark (joined June 2022)
2. Kyle Joseph O'Connor (joined June 2022)
3. Christopher S Mackey (joined June 2022)
4. Javed Ashraf (joined June 2022)
5. David Hazan (joined June 2022)
6. Derek Peterson (joined July 2022)
7. Erika Murray (joined July 2022)
8. Christopher Harran (joined September 2022)

Please contact me with any questions regarding the Smart Start Program and/or ASHRAE membership needs.

Looking forward to another great year and thank you in advance for your support, time & guidance.

Michael H. Razzano
Membership Promotion Chair

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- Serve as a springboard for continued professional development
- Offer an easy-to-apply process

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

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Most Popular Tweets

Does It Cost More To Build Green? Benefits include reduced operating costs & construction waste.

Online Thermal Comfort Compliance Tool Included In New ASHRAE User's Manual.

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The November issue of the Journal is tested for binding strength to see how many times a page can be turned before the binding would fail.

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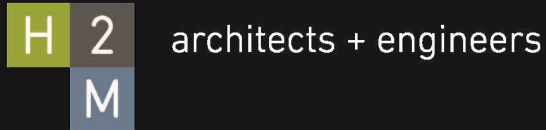
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