



March 2018

THE LONG ISLAND SOUNDER



ASHRAE Long Island Chapter, Region I...*Founded in 1957*

www.ashraeli.org

American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.

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President's Message

Welcome to the March issue of the "Long Island Sounder". Thank all of those who attended last month's meeting. We had a great turn out for distinguished lecturer Dan Nall. Dan gave an interesting presentation on Energy Efficient HVAC Strategies. Dan was our third distinguished lecturer and we are on course for a record of five this year. Trane has brought in Justin Wieman, another DL, to speak on Chillers at our meeting this month. Justin is an engaging speaker who I am excited to have come. Mark your calendars for the 13th, you won't want to miss it.



March certainly came in like a lion with the Nor'easter last week. We hope if exits like a lamb. If you want to be thinking some warm thoughts see the attached flyer for this year's Golf Outing. It's Monday May 7th at Cherry Valley Golf Club. Always a great time. Don't forget it fills up very quickly and you don't want to miss it.

Elizabeth Jedrlnic held a great YEA night at RPM Raceway in Farmingdale. Look for a write up and photos in this newsletter.

Our April meeting will be a field trip on April 10th. Look for more details to be distributed shortly.

CHAPTER MONTHLY MEETING

DATE:	Tuesday, March 13, 2018
TIME:	6:00 PM - Cocktails/Dinner 7:00 PM - Dinner Presentation 8:45 PM - Conclusion
LOCATION:	Westbury Manor 1100 Jericho Tpke. Westbury, NY 11590
FEES:	
Members -	\$45.00
Guest -	\$50.00
Student -	\$15.00

*Reservations requested, but not required.
Call (631) 632-2791*

Frank Paradiso brought our recently printed Vendor Book to the February meeting. If you haven't received your copy, be sure to stop by and pick one up. If you are not in the vendor book, please reach out to Frank, it's not only a huge research promotion fund raiser for our chapter. All proceeds are tax deductible and go directly to ASHRAE Society's Research Promotion Goals. It is also extremely helpful for design engineers trying to find the correct manufacturer's representative.

Thank you to all the volunteers and board members, I appreciate all your time and dedication to our chapter and community.

We look forward to seeing everyone at the March meeting and thank you for your continued support of the Long Island Chapter of ASHRAE.

Andrew B. Dubel, P.E., LEED AP
President
Long Island Chapter

Check the ASHRAE Website for Society news
and to join/renew membership!

<http://www.ashraeli.org>

Long Island Chapter Officers & Committees

ASHRAE 2017/2018 OFFICERS

POSITION	NAME	PHONE	EMAIL
President	Andrew B. DuBel, PE	516.484.1020	president@ashraeli.org
President-Elect	Richard Halley	718.269.3809	president_elect@ashraeli.org
Vice President	Frank Paradiso	631.632.2791	vice_president@ashraeli.org
Financial Secretary	James Hanna	718.269.3768	finsec@ashraeli.org
Treasurer	Bill Artis	201.395.3750	treasurer@ashraeli.org
Secretary	Matthew Vitrano	212.643.9055	secretary@ashraeli.org
Board of Governors	Murat Bayramoglu	631.312.8818	bog1@ashraeli.org
Board of Governors	Michael Nigro	212.643.9055	bog2@ashraeli.org
Board of Governors	Elizabeth Jedrlinic	516.490.1621	bog3@ashraeli.org
Board of Governors	Andrew Blom	631.626.1695	bog4@ashraeli.org
Board of Governors	Donald W. Kane, PE	516.524.7258	bog5@ashraeli.org

ASHRAE 2017/2018 COMMITTEES

COMMITTEE	NAME	PHONE	EMAIL
Programs & Special Events	Richard Halley	718.269.3809	programs@ashraeli.org
Membership (MP)	Bill Artis	201.395.3750	membership@ashraeli.org
Refrigeration	Bill Artis	201.395.3750	
Chapter Technology Transfer (CTTC)	Matthew Vitrano	212.643.9055	cttc@ashraeli.org
Grassroots Government Activities (GGAC)	Andrew Blom	631.626.1695	ggac@ashraeli.org
Newsletter Editor	Liset Cordero	212.643.9055	editor@ashraeli.org
Research Promotion (RP)	Frank Paradiso	631.632.2791	rp@ashraeli.org
Historian	Michael Nigro	212.643.9055	historian@ashraeli.org
Student Activities (SA)	Murat Bayramoglu	631.312.8818	sa@ashraeli.org
Young Engineers in ASHRAE (YEA)	Elizabeth Jedrlinic	516.490.1621	yea@ashraeli.org
Webmaster			web@ashraeli.org
Nominating	Michael Gerazounis, PE, LEED AP	212.643.9055	nominating@ashraeli.org
Reception & Attendance	Andrew Blom	631.626.1695	reception@ashraeli.org
PR & Engineering Joint Council of LI (EJCLI) Liaison	Andrew Manos, LEED AP	631.632.2791	pr@ashraeli.org
Golf Outing	Peter Gerazounis, PE LEED AP	212.643.9055	golf@ashraeli.org
Awards	Brian Simkins	203.261.8100	bsimkins@accuspecinc.com

ASHRAE LI, P.O. Box 79, Commack, NY 11725

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Chapter Monthly Meeting - Program for 2017/2018

September 12, 2017 * At Westbury Manor  Dinner Presentation – Basic Principles of Grooved Mechanical Joints Presenter: Stanley Funk **1 PDH** Refrigeration Night	March 13, 2018 * At Westbury Manor Dinner Presentation - Chillers! Chillers! Chillers! Presenter: Justin Wieman **1 PDH** YEA Night
October 10, 2017 * At Westbury Manor  Dinner Presentation— Boiler Efficiency & Performance Presenter: Ian Rowburrey **1 PDH**	April 10, 2018 Annual Field Trip
November 14, 2017 * At Westbury Manor  Dinner Presentation-- Revised Duct Construction Standard Presenter: Mark Terzigni, SMACNA National Director **1 PDH** Joint meeting with SMACNA Membership Promotion Student Activities Night and YEA Night Resource Promotion Night	May 7, 2018 * Cherry Valley Club, Garden City, NY ANNUAL GOLF OUTING
December 12, 2017 * At Westbury Manor  Dinner Presentation-- Responsible Use of Refrigerants Presenter: Julian R. de Bullet, ASHRAE Distinguished Lecturer **1 PDH**	May 8, 2018 * At Westbury Manor Dinner Presentation - Chemical Treatment Presenter: Jerry Union **1 PDH** Refrigeration Night Student Activities Night
January 9, 2018 * At Westbury Manor  Dinner Presentation– NYSERDA Rebates Presenter: Donovan Gordon **1 PDH**	June 12, 2018 * 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
January 20-24, 2018  ASHRAE Winter Meeting Chicago, IL	June 2018 (4pm-8pm) * Dixie II @ Captree State Park Boat Basin, NY ANNUAL FISHING TRIP
February 13, 2018 * At Westbury Manor –  Dinner Presentation– Energy Efficient HVAC Strategies Presenter: Daniel H. Nall, P.E. **1 PDH** Membership Promotion Night Resource Promotion Night	June 14, 2018 Joint YEA Event with LI, NYC & Westchester (Details to follow)
February 18-24, 2018  NATIONAL ENGINEERS WEEK EJCLI Seminars	August 16-18, 2018 CHAPTERS' REGIONAL CONFERENCE (CRC) REGION I JERSEY CITY, NJ
February 27, 2018  YEA Event - Go Kart @ 6PM RPM Raceway Farmingdale, NY	

Long Island Chapter - Past Presidents

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

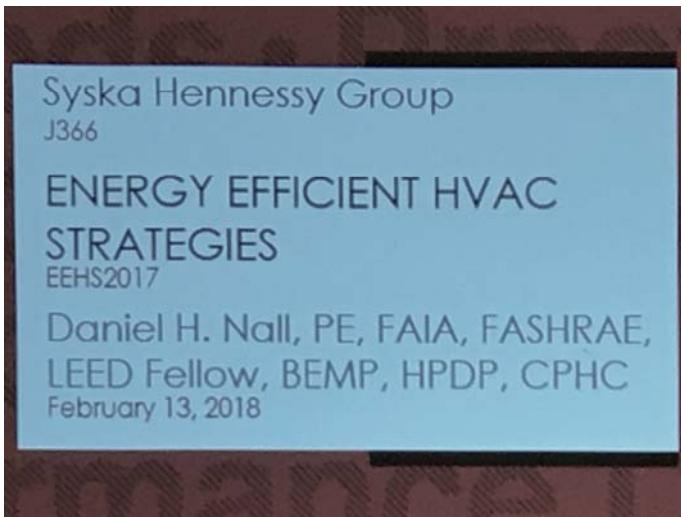
PAOE POINTS FOR 2017/2018

Chapter Members	Membership Promotion	Student Activities	Research Promotion	History	Chapter Operations	CTTC	GGAC	Electronic Communications	Chapter PAOE Totals
282	1,130	445	860	300	1,080	250	500	225	4,790

February Meeting Photos



February Meeting Photos



March Meeting Program



Dinner Presentation

“Chillers! Chillers! Chillers!”

Presented by

Justin Wieman

Applications Engineer, Intelligent Systems

Trane Commercial Global

Ingersoll Rand

**Attendees
Will Earn
1 PDH!**

DATE:	TUESDAY MARCH 13, 2018		
TIME:	6:00 PM - Cocktails and Hors D'oeuvres 7:00 PM - Dinner Presentations 8:45 PM - Conclusion	Fee:	\$ 45.00 Member \$ 50.00 Guest \$ 15.00 Student
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 illustrate the various type of centrifugal chiller designs available in today's market. Our speaker will also discuss how to avoid common small chilled water system problems and issues. We will also understand the importance of parallel and series applications for variable primary flow systems and determine how controls differ between primary-secondary and variable primary flow systems. We will also investigate the interaction between design parameters (flow rate and ΔT) and system configurations and recognize opportunities to balance heat recovery and cooling loading of chillers in a VPF system. Lastly, we will get to identify ways in which minimum chiller flow requirement affect system operation and control and steer clear of common retrofit issues.</p> <p>All attendees will receive <u>1 PDH</u>.</p>		
ABOUT OUR SPEAKER:	<p>Justin Wieman is currently an application engineer in Trane's Intelligent Systems group who partners with customers providing them system design and product knowledge to develop and deliver efficient, innovative, and sustainable designs. In his role, Justin supports customers throughout North America, Europe and the Middle East. Justin and his team work closely with product management, product support, planning, engineering, manufacturing, and other groups where the focus is on maintaining Trane's leadership role in the market. Justin has been at Trane since January 2001, and in addition to his current position, he has held a variety of key roles within Trane including technical marketing, engineering, as well as project and product support management. Along with his HVAC chiller technology experience, Justin has also led efforts to develop and deploy Trane's Analytical Software Products – a suite of Design and Analysis tools that enable engineers to effectively design HVAC systems and develop the corresponding life cycle cost analyses, which includes managing the TRACE® 700 software</p> <p>Justin has a bachelor's degree in Chemical Engineering from the South Dakota School of Mines and Technology, and he lives with his family in La Crosse, Wisconsin.</p>		

Young Engineers in ASHRAE (YEA)

In February we had another great YEA event at the RPM Racetrack in Farmingdale. The race was tight, but in the end, there could only be one winner. Congrats to Michael G., Anthony V, Matthew V for coming in 1st, 2nd and 3rd respectively.

Elizabeth Jedrlinic

YEA Chair

Elizabeth.jedrlinic@trane.com



Research Promotion

My name is Frank Paradiso and I am your RP chair for the 2017-2018 year for the Long Island ASHRAE chapter.

ASHRAE has a \$2.5 million dollar funding raising goal. This supports 140 research projects with a combined value of more than 15 million. The bar has been set pretty high by our former RP Chairs for our chapter's goals. This year we have a goal of \$19,000. Every year we try to exceed our goal and reach towards challenge goal. With your help I believe we can achieve it.



Our current RP year to date amount is \$9,582 which is about 50% of our goal.

I would like to acknowledge and thank all those who were generous enough to have donated early in ASHRAE's 2017-2018 RP campaign:

INDIVIDUALS

Peter Gerazounis, PE
John D Nally
Donald W Kane, PE
Andrew E Manos
Andrew B Dubel
Matthew Vitrano
Andrew B Dubel
Michael Nigro
Frank Paradiso
Ronald J Kilcarr, PE, CEM
James Hanna
William Artis, Jr

Murat Bayramoglu, MS
Thomas Fields, PE
Richard I Halley
Andrew Charles Blum
Steven Benkovsky
Richard J. Pearson
James R. Tauby, PE
Timothy T. Davis

COMPANIES

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Wales Darby Incorporated
Platsky/Marplat
Technical Air Systems, Inc.
Dagher Engineering, PLLC
Accuspec, Inc
Gil-Bar Industries, Inc.
Dagher Engineering
ADE Systems Inc
VMC East Inc
SRS Enterprises Inc.
Wallace Eannace Associates Inc.
ACS Analytical & Combustion
Systems

CONTRIBUTIONS CAN BE MADE IN THE FOLLOWING WAYS:

1) You can mail your checks, made out to ASHRAE Research Promotion, to:

Frank Paradiso
ASHRAE Research Promotion Chair
c/o Stony Brook University Research and Support Services,
Suite 160 Development Drive
Stony Brook, NY 11794-6010

2) You can bring your check to any of the meetings and give it to me. I will mail it into headquarters.

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!

Frank Paradiso
Research Promotion Chair



Membership Promotion

The HVAC business is HIRING, and opportunities are abundant at ASHRAE! Over the past few months, multiple businesses dealing with various aspects of the HVAC industry have asked me if the Long Island Chapter could help them find good people to help their businesses grow. Employers value your ASHRAE membership. Our members demonstrate a genuine interest in their continued personal and professional development along with a willingness to learn.

Quite simply, our members go above and beyond to contribute meaningfully to the HVAC community. Our membership remains strong and the networking opportunities grow stronger every day. With graduation right around the corner, this is an excellent time to be a member of ASHRAE. Unfortunately, these opened doors will close if you allow your membership to lapse.



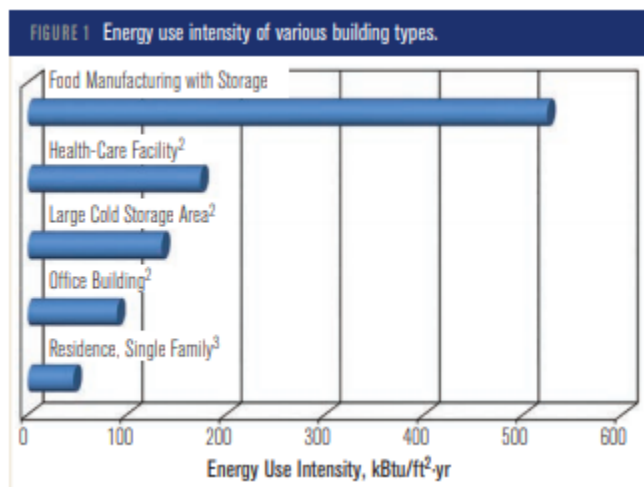
Renewing is easy at www.ashrae.org. Just log in and click “renew!” If you are currently enjoying a student membership, this is the perfect time to check out our Smart Start program. This program allows you to benefit from ASHRAE membership for years at a deeply discounted price. Are you interested in being published? Do you have a testimonial about the benefits of ASHRAE that you’d like to share? If so, then please forward it to me at membership@ashrae.org for publication in our monthly newsletter.

Bill Artis
Membership Chair

CTTC

Hello everyone and welcome to the March newsletter! Keep an eye out for a lot of exciting things coming up in the next few months.

Energy efficiency is always a top priority on everyone’s list when designing new buildings or a new plant for an existing building. Net zero has become an attainable goal for many buildings, but mostly limited to residential or small commercial buildings. This is because the energy usage is much less compared to a large commercial building, or any facility with refrigeration. Here is a chart that the article uses for a comparison of energy use intensity per building type:



The article then goes into using photovoltaic cells and wind to harvest renewable energy for the facility. First separately, and then a combination system. It uses a simulation to see if these solutions are possible, and which one would be best. In conclusion, going net zero with a refrigeration warehouse is possible depending on climate, weather, and property available. For further reading, the article is linked here:

<https://technologyportal.ashrae.org/Journal/ArticleDetail/1938>

Matthew J. Vitrano
CTTC Chairman

Refrigeration

Reprinted from: <http://www.coolingpost.com/world-news/co2-refrigeration-now-mainstream/> USA: The growing acceptance of CO2 refrigeration as a mainstream technology amongst both OEMs and end users in the USA is highlighted in a new study by Danfoss. According to the new survey of over 1,000 individuals with an interest in commercial and industrial refrigeration in North America, 82% of OEMs and 91% of consultants said they saw CO2 as a viable mainstream refrigeration technology. In addition, about half of the OEMs who responded saw CO2 refrigeration as being at least 16% of their business within the next five years. In a similar study conducted in 2012, less than 20% of OEMs saw CO2 comprising at least 16% of their business.



The majority of commercial refrigeration consultants and end users are today engaged in CO2 projects, citing pending legislation/regulations and corporate sustainability goals as key drivers in the decision to use CO2. However, at the same time, they identified the high initial system cost as a primary barrier to deployment. The survey also identified similar acceptance in the industrial refrigeration market. 57% of responding OEMs and contractors and 43% of consultants and end users indicated that they have already either been involved in a CO2 refrigeration project or have plans to be.

However, OEMs and contractors do not see CO2 becoming a significant part of their business in the near future. OEMs and contractors identified the removal of ammonia, in terms of improved safety and reduced ammonia charge, as key drivers in using CO2. Consultants and end users agreed, but also cited pending legislation/regulation as important factors. In contrast to the commercial refrigeration industry, industrial refrigeration respondents said the primary barrier to further CO2 use is the result of end user and contractor familiarity and training.

This industry indicator on CO2 was conducted as a follow up to a similar survey conducted by Danfoss in 2012 to gauge the market acceptance of CO2 refrigeration. The survey was distributed via email to approximately 1,100 people that do business in commercial or industrial refrigeration applications. "The results of this survey validate the ongoing growth we are seeing in CO2 projects across North America," said Peter Dee, Danfoss' sales and services director – food retail. Globally, Danfoss says it has been involved in more than 10,000 CO2 refrigeration projects.

Bill Artis
Refrigeration Chair



Student Activities

Hello dear students, professors and administrative staff,*

Welcome to the conference. My name is Murat Bayramoglu. I'm a board member of ASHRAE-LI Chapter and Student Activities chair. Before we start, I would like to thank Dr. Ehsan Kamel for his efforts to make this day happen, and also congratulate him, his students for establishment ASHRAE Student Branch. I also would like to thank School of Engineering and Computing Sciences and School of Architecture and design Professors and administrative staff and NYIT Student Government association for their support and help.

How many of the students here now know what ASHRAE stands for? ASHRAE was founded in 1894, a global society with more than 56,000 members and in 132 countries. ASHRAE defines itself as a global society advancing human well-being through sustainable technology for the built environment. To do so, ASHRAE publishes to say some of the famous standards as 55 for heating, 62 for ventilation, 90 for energy standards, 189 for construction and operation of sustainable high performance buildings and so on.

These standards are already adopted by many state and city municipalities as their HVAC&R construction codes. And ASHRAE publishes guidelines to encourage enhanced performance. The ASHRAE Handbook is published in a series of four volumes, one of which is revised each year, ensuring that no volume is older than four years. And ASHRAE Journal newsletter, which is being published monthly, connects today's technology trends with relevant peer-reviewed content. And so many other publications.

ASHRAE is a very active society, with winter and summer international conventions, annual regional conventions, monthly local chapter meetings. All these gatherings are a source of immense information source for HVAC&R industry peers, open doors for networking.



Student Activities (Cont'd from Page 12)

Why ASHRAE wants student branches? ASHRAE runs as a non-profit organization and relies on volunteer work. Today's students will be the backbone of this society in the future. In exchange, members will have access to immense amount of information about HVAC&R industry and a chance to meet industry leaders. Students will develop leadership skills, and enhance their resumes. And I think one of the most important part is, students will have a chance to participate in design competitions, access to scholarships and grants. Networking may give students a chance to make connections for internship or job opportunities.

Our associate Hooman will delve into the career advancement in HVAC&R industry in a moment. To cut it short, we have some flyers on the table, you're welcome to pick. We have online sources such as ashrae.org. You will find any kind of information in it.

And you are always welcome to our monthly meetings in Westbury Manor each month 2. Tuesday night at 6:00 pm. As a chapter, we are planning field trip, go card race event on Feb 27th 6pm in Farmingdale, a fishing trip in June. You may have access to these information by signing up to our LI Sounder monthly newsletter. Just write down your name and email address on that piece of paper.

Again, I would like to congratulate NYIT staff and students for establishing the ASHRAE student branch, and hoping that, we will establish an active and beneficial relationship between the Long Island Chapter and NYIT student branch.

I would like to thank Hooman Danishmend, and Bill Artis for their presentations.

Thanks,

Murat Bayramoglu
Student Activities Chair

**NYIT Student ASHRAE Branch visit introduction speech on 2/16/2018 in Old Westbury Campus.*



Grassroots Government Activities Committee (GGAC)

Just a reminder, we're actively in the process of planning an event for GGAC called a "Day on the Hill". We'd love to have a few volunteers to come by and get involved. If you're interested, please let me know as soon as you can.

We're planning this with several regional chapters and I would greatly appreciate any participation. The tentative date is June 5th.

Here's a brief description of another "Day on the Hill" event held by the New Mexico Chapter:

Day on the Hill

by Alex Quintero, GGAC Chair, New Mexico Chapter

As a first year Grassroots Government Advocacy Chair, the Day on the Hill on January 25, 2018 was an awesome experience. This is the best opportunity we have as part of ASHRAE to communicate our goals to legislators and others involved in adopting or updating our energy efficiency, indoor air quality and any other Standard promoted by ASHRAE. From my personal experience at the Santa Fe Capitol in New Mexico, it was an honor being able to speak to the decision makers for which new bills are passed, mainly for the benefit of our state which ends up contributing to the conservation of our country as a whole.

Many of the legislators were familiar with ASHRAE already, which made it easier to advocate about our goals for the future. Arizona House member Bill McCamley offered an interesting comment. He noted that the state will be changing governors and there will be new legislators who may or may not be aware of ASHRAE. Being the great organization, we are, we must be present as advocates for what we do and where we stand.

Andrew Blom

Grassroots Government Activities Chair



History

Everyone welcome to the March edition of the Long Island Sounder! This month I would like to share something a little different than the normal history articles. Keeping a written history is so important because it helps us understand how and why the society that we live in (or engineer) is the way it is presently. The past is used as a reference to improve and grow upon for the future. Below is a time line for ASHRAE Region's at Large (updated by Tim Dwyer – June 7th 2017).

Source: <https://www.ashrae.org/File%20Library/Communities/Committees/Standing%20Committees/Historical%20Committee/Timeline-for-ASHRAE-Regional-at-Large--June-2017-.pdf>



Michael Nigro
History Chair

Timeline for ASHRAE Region at Large

Last updated June 7th 2017 by Tim Dwyer

Date	Event
1990	March 29 Foundation of India Chapter (ASHRAE Chapter 158)
1993	Foundation of Saudi Arabia Chapter (ASHRAE Chapter 160)
	Foundation of Cairo Chapter - Egypt (ASHRAE Chapter 161)
1995	October 01 Foundation of Lebanon Chapter (ASHRAE Chapter 162)
1996	April 16 Foundation of Western India Chapter (ASHRAE Chapter 163)
	Foundation of Kuwait Chapter (ASHRAE Chapter 164)
1999	June Foundation of Hellenic Chapter - Greece (ASHRAE Chapter 168)
1999	November Foundation of South India Chapter (renamed Bangalore) (ASHRAE Chapter 169)
2001	September 14-15 First Regional Planning and Orientation Session, Taipei, Taiwan
2002	February 05 Foundation of Sri Lankan Chapter (ASHRAE Chapter 171)
2002	September 18-20 ARC London, England
2004	May 20 Foundation of Student Chapter at Notre Dame University Student Branch, Lebanon
2003	September 6-8 ARC Cairo, Egypt
2003	December 07 Foundation of Falcon Chapter - Dubai (ASHRAE Chapter 175)
2004	September 25-27 ARC New Delhi, India
2005	April 08 Foundation of Danube Chapter - Romania & Serbia (ASHRAE Chapter 176)
2005	June Foundation of Portugal Chapter (ASHRAE Chapter 177)
2005	September 25-27 ARC Athens, Greece
2006	March Foundation of Northern Pakistan Chapter (ASHRAE Chapter 179)
2006	March 07 Foundation of Polonia Chapter - Poland (ASHRAE Chapter 180)
2006	November 1-3 CRC Dubai, UAE
2006	November Foundation of Bahrain Chapter (ASHRAE Chapter 181)
2007	July 18 Foundation Spain Chapter (ASHRAE Chapter 182)
2007	September 2-5 CRC Goa, India
2008	April 13 Foundation Qatar Oryx Chapter (ASHRAE Chapter 184)
2008	October 12-15 CRC Lisbon, Portugal
2009	August 05 Foundation Chennai Chapter - India (ASHRAE Chapter 185)
2009	Foundation of Pune Chapter - India (ASHRAE Chapter 186)
2009	October 3-5 CRC Kuwait City, Kuwait
2010	March Foundation of Nigeria Chapter (ASHRAE Chapter 187)
2010	June 21 Foundation of Mumbai Chapter - India (ASHRAE Chapter 188)
2010	June 28 Foundation of Central Pakistan Chapter (ASHRAE Chapter 189)
2010	October 1-3 CRC Cairo, Egypt
	Foundation of Deccan Chapter (Originally named Hyderabad Chapter) - India (ASHRAE Chapter 191)
2011	February Foundation of Benelux Section
2011	March 02 Foundation of Student Chapter at Faculty of Engineering and Technology, Manav Rachna International University, Faridaba, India
2011	March 05
2011	September 21-22 CRC Abu Dhabi
2012	September 29-30 CRC, Colombo, Sri Lanka
2013	March 26 Foundation of Turkish Section
2013	April 26 Foundation of Cyprus Section
2013	Foundation of Oman Section
2013	Foundation of Jaipur Section
2013	Foundation of Kolkata Section
2013	September 26-28 CRC Doha, Qatar
2014	March 06 Foundation of HITEC University Student Branch, Taxila, Pakistan
2014	March 27 Foundation of Turkish Chapter (ASHRAE Chapter 193)
2014	September 19-22 CRC Madrid, Spain
2014	October 02 Chartering of UK Midlands Section
2015	October 2-4 CRC Istanbul, Turkey
2015	Foundation of Faisalabad Section
2015	October 22 Chartering of Ireland Section
2016	March 01 Foundation of Bangladesh Chapter (ASHRAE Chapter 197)
2016	Sept 30 - Oct 2 CRC Bangkok, Thailand
2016	Foundation of Amaravathi Section
2017	April 6 Foundation Loughborough Student Branch
2017	April 7 Chartering of Scotland Section

ARC = Annual Regional Conference CRC = Chapters Regional Conference

Join ASHRAE on Social Media!



Social Media

Follow **ASHRAE on Twitter** @ashraenews for up-to-date news, events, and articles about HVAC&R. Search #MyASHRAE on Twitter to see member photos from around the world.

Follow us on [Twitter](#)



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.

87% of households in the US have #AC, 5% do in India. India's tough choice on air-conditioning and climate.



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.

Harvard & SUNY Upstate Medical University find that workers are healthier and happier in certified green buildings.

ASHRAE Standard 90.1 has been redefining energy savings since 1975. A new version is available now.

Adapting historical buildings for sustainable reuse.

Get To Know ASHRAE



ASHRAE CERTIFICATIONS

Certification



Certified

ASHRAE, accredited by ANSI under ISO/IEC 17024 for the High-Performance Building Design Professional (HBDP) program, has certified more than 2,000 Built Environmental Professionals.

Energy Assessment

Energy Modeling

Commissioning

Healthcare
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ASHRAE Golf Outing - Monday, May 7, 2018



19th Annual LI ASHRAE GOLF OUTING

Monday - May 7, 2018

Place: Cherry Valley Club
Brunch: 11:00 am
Shotgun: 12:30 pm
Reception: 5:30 pm
Dinner: 6:30 pm

This Event fills up fast, to guarantee a spot RSVP Soon.

(2) Foursome Limit Per Company.

Proper golf attire and shoes are required. Locker room and shower privileges are included.

CHECKS MUST BE IN BY APRIL 9, 2018 (No Exceptions)

Fax, Email or Mail entire sheet or cut this half and return

Name: _____ Company: _____
 Address: _____ Phone: _____
 City, State, Zip: _____ Fax: _____

I have read and understand the Cherry Valley Rules and Regulations (Signature): _____

Guest 1: _____ Company: _____
 Guest 2: _____ Company: _____
 Guest 3: _____ Company: _____



**Fund raising is primarily through the contributions of our sponsors.
 Please consider our sponsorship opportunities listed below.**

Please make check payable to:

ASHRAE – Long Island Chapter

Mail Checks To:

MG Engineering D.P.C.

Attn: Peter Gerazounis, P.E. LEED AP

116 West 32nd Street

New York, NY 10001

Fax No.: (212) 643-0503

Email: peter.gerazounis@mgdpc.net

Golf & Meals:	\$ 375 pp x _____	= \$ _____
Reception & Dinner:	\$ 150 pp x _____	= \$ _____
Sponsor Dinner:	\$1,000 <input type="checkbox"/> Yes	= \$ _____
Sponsor Lunch:	\$ 500 <input type="checkbox"/> Yes	= \$ _____
Sponsor Reception:	\$ 500 <input type="checkbox"/> Yes	= \$ _____
Sponsor Prizes:	\$ 500 <input type="checkbox"/> Yes	= \$ _____
Sponsor Beverage Cart:	\$ 500 <input type="checkbox"/> Yes	= \$ _____
Sponsor Hole:	\$ 200 <input type="checkbox"/> Yes	= \$ _____

ASHRAE Golf Outing - Monday, May 7, 2018

Cherry Valley Club
28 Rockaway Avenue at Third Street
Garden City, NY
Telephone: (516)746-4420
Fax: (516)746-4421



Program:

11 a.m. Brunch in the Clubroom & Lounge – including Omelet station, deluxe deli board with rolls, chicken scarpiello, danish, croissants, bagels & cream cheese, sliced nova, fresh fruit and cheeses, Good Humor ice cream cart.

12:30 p.m. Shotgun Start Golf – Playing individual scores. Prizes for long drive, closest to the pins, low gross and callaway. Refreshments at the halfway house will include packaged snacks and whole fresh fruit, hot dogs, beer & soda. A snack cart will also be on the course. Carts, forecaddies, driving range, locker room and showers are all included in the price.

5:30 p.m. Following Golf - Open Bar with hot and cold hors d'oeuvres in the Main Lounge. Fresh mozzarella with sundried tomatoes, cajun chicken, spring rolls, baby lamb chops, sesame chicken, turkey canapés, fried oysters, cheeses, fresh fruit, lobster halves, fresh clams & oysters, shrimp and crab claws.

6:30 p.m. Reception Dinner – Awards and raffle in the Main Dining Room. Carving stations of beef tenderloin & turkey breast. Chafing dishes of chicken & salmon featuring the chef's specialty, pasta station with marinara or vodka sauce, and choice of tossed or Caesar salad. Viennese dessert table following the dinner featuring pastries, fruit, cookies, assorted cakes and pies. Full beverage service throughout is included.

Women are also invited to attend and participate. There are locker room facilities available. The Cocktail hour and Dinner will also be available for those who cannot attend during the day for the golf.

Note: We are limited to 128 golfers. Openings will be filled on a first come-first serve basis. Corporate sponsorships will be available and raffle items will be welcome. Proper golf attire is a requirement for the golf course. Soft spikes are required. Please wear a jacket for the dinner.

Directions:

From the North Shore of Long Island: Take the Long Island Expressway to Exit 34 South (New Hyde Park Road Southbound), Grand Central Parkway (Northern State Parkway) to Exit 26 South (New Hyde Park Road Southbound) or Jamaica Avenue (Jericho Turnpike) Eastbound to New Hyde Park Road. Travel Southbound on New Hyde Park Road for approximately 5 to 7 miles to Stewart Avenue (You will cross over a set of railroad tracks). Take Stewart Avenue eastbound for approximately 1-1/2 miles to Cherry Valley Avenue. Travel Southbound on Cherry Valley Avenue for 1/2 mile, Cherry Valley Avenue becomes Rockaway Avenue. Continue on Rockaway Avenue and the entrance to Cherry Valley Club will be on your right.

From Local Points North: Take Old Country Road or Stewart Avenue to Franklin Avenue. Travel Southbound on Franklin Avenue to Fourth Street (just after crossing over railroad tracks). Turn right on Fourth Street and continue until it ends (Rockaway Avenue). Cross over Rockaway Avenue into the Cherry Valley Club's parking lot.

From the South Shore of Long Island: Take the Southern State Parkway to Exit 19 (Peninsula Boulevard-Hempstead/Garden City). Travel Northbound on Peninsula Boulevard for approximately 1/2 mile to President Street. Bear left on President Street (Northbound) for approximately one mile and cross over Hempstead Turnpike. President Street will become Cathedral Avenue. Continue on Cathedral Avenue for one mile to Fourth Street. Make a left on Fourth Street (Westbound) and continue until it ends (Rockaway Avenue). Cross over Rockaway Avenue into the Cherry Valley Club's parking lot.

From Local Points South: Take Hempstead Turnpike to Franklin Avenue. Travel Northbound on Franklin Avenue to Fourth Street. Turn left on Fourth Street and continue until it ends (Rockaway Avenue). Cross over Rockaway Avenue into the Cherry Valley Club's parking lot.

ASHRAE Golf Outing - Monday, May 7, 2018

Cherry Valley Club
Golf Outing Guidelines



To add the enjoyment of your day, we ask that you abide by Cherry Valley Club's basic rules of The Club, dress, golf etiquette & safety, golf carts, and care of the course.

Club Rules

1. **Smoking is not permitted in the Club House.**
2. **Cell Phones are permitted in the parking lot only. Use of Cell Phones beyond the parking lot is strictly prohibited. This includes the Golf Course.**

Dress Code

1. Jeans, designer or otherwise, are not acceptable on club property. This not only includes pants, but skirts, and cut-offs.
2. T-shirts and tank tops are not in keeping with the atmosphere of the club and as such, are not acceptable. The definition of T-shirt includes those with psychedelic coloring or suggestive printing.
3. If the Main Dining room is going to be utilized for any purpose, jackets are required.
4. Short shorts are not permitted on the golf course, practice tee or putting green by either male or female. Bermuda shorts of acceptable length are permitted. Jogging attire and denim pants are not considered proper attire for the golf course.
5. **Soft spikes** are mandatory at all times on our fine golf course. If your shoes need soft spikes, arrive early so we can change them. There is a nominal fee. There is **no** exception to this rule.

Golf Etiquette and Safety

1. Slow play shows lack of consideration for the players in your group and, more important, for the players behind you. Golf is made much more enjoyable if all players adhere to the following points in the conduct of play:
 - Minimize the time spent looking for balls by watching the flight of balls hit by everyone in your group. If a ball appears to be lost or out of bounds, hit a provisional ball before leaving the tee.
 - Signal the players behind you to play through if it becomes apparent that a ball will not easily be found and you are holding up play.
 - Don't rush addressing and striking the ball but move briskly between shots.
 - If your ball is some distance from the golf cart and the exact club selection is in doubt, take several clubs with you when you leave the cart to walk to the ball.
 - When play reaches the area of the green, park the golf cart(s) behind the green or adjacent to the next tee. Walk briskly off the rear or side of the green after putting out. Mark your score cards after your group is off the green.
 - Once a score of double par has been posted, pick up and move on to the next hole.
2. No player should play until the players in front are out of range.
3. If your ball appears headed for a player or group of players immediately shout "fore" in a loud clear voice.
4. No one should move, talk or stand close to or directly behind the ball or the hole when a player is addressing the ball or making a stroke.

BOG Meeting Minutes

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

BOG Meeting, Long Island Chapter
Tuesday, February 13, 2018
5 PM
Westbury Manor

Call to Order Quorum 5:12

Secretary (Matthew Vitrano)

Meetings minutes - Comments/Additions– approval last meeting

President (Andrew Dubel) Chapter Operations [min-600/Par-1200/980](2720)

- **PAOE- Keep updated**
- **Sounder Articles**
Due February 20th

Programs (Richard Halley)

- Field Trip April. Iceplant? Mather Hospital ice storage?
- Cocktail Hour Sponsors Next month – Trane.
Fill out schedule for sounder

Chapter Technology Transfer (Matthew Vitrano) [min-450/par-1050/150] (1775)

- DL Request – Update with actual date. Coordinate with Bill . Pam in April. Should hear back within a week.
Facebook Updates Event and blast every month.

Treasurer (Bill Artis)

- Current Balance \$14,100 includes CRC. Plus \$7,500 in paypal.
- Outstanding expenses all paid
- Leadership 2.0 airfare
Chapter Budget Status

Grassroots Government Advocacy (Andrew Blom) [min-500/par-650/0] (1800)

- Activities? Bethpage water commissioner. Tentative March meeting. Water savings?
USGBC or ? June 5, Tuesday

Historian (Michael Nigro)[min-100/par-300/300] (1415)

- Articles/interviews of past presidents Potential life-members/fellows
Digitizing records –Status

Honors and Awards Chair (Brian Simkins)

- Service awards/Technical Awards potential
Candidate Projects

Research Promotion (Frank Paradiso) [min-800/par-1050/0] (3032)

- Vendor Book – Printing? Done
- 50/50 Ongoing
Goal 30? Next goal – \$19,000

Refrigeration (Bill Artis)

- Updates? None
Field trip

BOG Meeting Minutes (Cont'd. from Page 16)

Membership Promotion (Bill Artis) [min-500/par-800/805] (1495)

- Membership Upgrades
- Delinquency report?
- New Members this month? +3 for the year
- Planned Events? Go-karting
Events Budget?

Student Activities (Murat Bayramoglu) [min-300/par-500/50] (770)

- Scholarships due May 1st
- Student membership update.
- o Stony Brook Chapter
- o Suffolk
- o Hofstra - in the works
- NYIT – Coming up Friday 12-2. Motion to approve \$600 for NYIT event. Approved.

YEA (Elizabeth Jedrlnic)

- Events? Need RSVP for go karts. Feb 27th at 6:00 PM
Budget?

Reception & Attendance (Mike Nigro)

Electronic Communications[min-250/par-500/225](0)

- Temp address Need to upgrade gmail because of the 500 email a day limit.
- New site active!
Recovery of old address Ongoing

Golf (Peter Gerazounis/Tom Fields)

New date? Upped price \$25/pp. \$1500 for a foursome.

New Business

Time/Place of next BOG Meeting – February 13, 2018 – Westbury Manor – 5:00 PM

Motion to Adjourn Approved 6:01.

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