



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

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### President's Message

Welcome back--To Chapter members who have had the summer to relax and enjoy themselves and their families....and to your Chapter Officers and Committee chairs who have returned from the Chapters' Regional Conference (CRC), held this year in Rochester, NY. While at the CRC, your board and committee chairs attended business meetings, workshops and networked with other Chapters from the Region to discuss issues that will be helpful in discharging our duties in the coming Chapter Year. At the President's Dinner we heard Society President, Tim Wentz, PE, speak on the need to be able to adapt in order to develop and succeed in the future (more on that in a moment).



The CRC is also the venue for the awarding of the various plaques, ribbons, certificates and patches which acknowledge the efforts put forth at the Chapter level to provide our membership with valuable programs, educational presentations and opportunities to raise the profile of the ASHRAE "brand" to both the general public and our elected officials. This year, Long Island Chapter garnered numerous awards including:

Newsletter – "Black Ink Award"

Research Promotion – "Bronze Treasury Ribbon", "Endowment Chevron", "Full Circle Chevron" and a "Certificate of Achievement" for exceeding the Chapter goal and Challenge goal for RP.

Student Activities- "Top Dog" Award

Chapter Operations – Presidential Award of Excellence "Special Citation"

Chapter Technology Transfer – Chapter Program Star and Award of Excellence

In addition, the Long Island Chapter was awarded the "Golden Boots" award, which takes into account the number of attendees and the distance to the CRC venue, and is given to the chapter attending the CRC with the most "people-miles".

Congratulations to all...for a job well done.

While listening to President Wentz' presentation on "Adapt Today to Shape Tomorrow", one was reminded of the old saw... "if you always do, what you always did, you'll always get what you always got"! We are living in changing times..energy conservation...environmental concerns...building codes. Many of these issues did not have to be dealt with in the past..but are now interwoven into our daily tasks. More im-

### CHAPTER MONTHLY MEETING

<b>DATE:</b>	<b>Tuesday, September 13, 2016</b>
<b>TIME:</b>	6:00 PM - Cocktails/Dinner 7:00 PM - Dinner Presentation 8:45 PM - Conclusion
<b>LOCATION:</b>	Westbury Manor 1100 Jericho Tpke. Westbury, NY 11590
<b>FEES:</b>	
Members -	\$45.00
Guest -	\$50.00
Student -	\$15.00

*Reservations requested, but not required.*

*Call (516) 333-7117*

**Cont'd. on Page 2**

## Long Island Chapter Officers & Committees (Cont'd. from Page 1)

portantly...while we may be developing techniques and equipment to provide the ultimate in creature comfort, a large portion of the populace (some even in North America) does not even enjoy the benefit of basic heating and cooling systems to provide the minimum level of temperature control to maintain one's existence. With this mind, President Wentz presented three directives (each of which comprise three initiatives) related to increasing member knowledge and vision, energizing Chapter activities, and effecting change to provide benefits to both our members and, more importantly, society in general. Although an Assistant Professor at the University of Nebraska – Lincoln, our current Society President worked his way up in his family's plumbing contracting business, giving him an appreciation for the need to make technology accessible at the user level, not just as an academic exercise, which is evident in his pragmatic approach to setting the Society's goals for this year. The full text of his presentation is in the August "ASHRAE JOURNAL" and I recommend you take a few moments to read through it, if you haven't already.

As you look through this issue of the *Sounder*, you will notice some new faces and names. We are fortunate that we have had people step up to fill a few gaps in the lineup. In line with the importance placed on the role of the younger members of our society we are looking to ramp-up our YEA activities. Elizabeth Jedrlinic will chair the YEA Committee this year and develop activities which are both enjoyable and beneficial to YEA segment. To support the initiative to support and be active in community activities as well as keeping up to date on any legislative actions which affect us, Matthew Vitrano is chairing our Grassroots Government Activities Committee. We are always trying to get the ASHRAE message out to our elected officials and Matthew will be working to get the ASHRAE "brand" visible to our public servants. Michael Nigro will be taking on the responsibilities of Chapter Historian in addition to chairing the Reception Committee, while Murat Bayramoglu has moved into the Chapter Technology Transfer Chair. Familiar faces, returning in new positions are; Andrew DuBel (President-Elect/Program Chair), James Hanna (Treasurer and Student Activities Chair), Richard Halley (Vice President and Chairman of the CRC2017 Committee), Frank Paradiso (RP Chair and Financial Secretary) and Bill Artis (Secretary, Membership Promotion Chair and Refrigeration Chair). Andy Manos is handling Public Relations and acts as liaison with the Engineers Joint Council of Long Island (EJCLI), and is putting together some programs to be presented at the EJCLI's Engineer's Week program in February. Liset Cordero is once again holding down the editorial desk for this publication, *The Sounder*, working toward, I am sure, another Black Ink Award for next year.

As you can see, a number of people are doing double or triple duty. To ease the burden, we will be reaching out to more of our membership to get involved. For those of you who would like to be more involved with the Chapter operation, but don't or can't make the long term commitment to getting on the Board and ascending the ranks, committee participation is an excellent option. As noted above, Rich Halley is chairing our planning committee for the 2017 CRC which will be hosted by our Chapter. As the dates of the CRC approach (August 17-19, 2017) many people will be needed to handle all of the support tasks. Please let Rich know if you are available and wish to get involved with the event, which will be a way for Long Island Chapter to showcase our members as well as our locale. The Rochester event was well run and set the bar high...all involved with our CRC planning are working to move the bar higher still, next year.

Any of you who have gone to our Website realize that some sections are in need of revision and updating. This is in progress and we should soon have it up-to-date. As Sky Sands would say (check him out on YouTube...he was the entertainment at the CRC in Rochester) ... "Bear with us"....

Last, but not least...Our own Bill Artis will be presenting at the Chapter meeting on September 13, 2016 on .. "Code Compliance Considerations for Applying VRF Systems".

**Don Kane, P.E.**  
**President - Long Island Chapter**

## Long Island Chapter Officers & Committees

### ASHRAE 2016/2017 OFFICERS

POSITION	NAME	PHONE	FAX	EMAIL
President	Donald W. Kane, PE	631.737.9170	631.737.9171	<a href="mailto:president@ashraeli.org">president@ashraeli.org</a>
President-Elect	Andrew B. DuBel, PE	212.967.7651	212.967.7654	<a href="mailto:president_elect@ashraeli.org">president_elect@ashraeli.org</a>
Vice President	Richard Halley	718.269.3809	718.269.3725	<a href="mailto:vice_president@ashraeli.org">vice_president@ashraeli.org</a>
Financial Secretary	Frank Paradiso	631.632.2791	631.632.1473	<a href="mailto:finsec@ashraeli.org">finsec@ashraeli.org</a>
Treasurer	James Hanna	718.269.3768	718.269.3794	<a href="mailto:treasurer@ashraeli.org">treasurer@ashraeli.org</a>
Secretary	Bill Artis	201.395.3750		<a href="mailto:secretary@ashraeli.org">secretary@ashraeli.org</a>
Board of Governors	Matthew Vitrano	212.643.9055	212.643.0503	<a href="mailto:bog1@ashraeli.org">bog1@ashraeli.org</a>
Board of Governors	Murat Bayramoglu	631.312.8818		<a href="mailto:bog2@ashraeli.org">bog2@ashraeli.org</a>
Board of Governors	Michael Nigro	212.643.9055	212.643.0503	<a href="mailto:bog3@ashraeli.org">bog3@ashraeli.org</a>
Board of Governors	Thomas Fields, PE, LEED AP	212.643.9055	212.643.0503	<a href="mailto:bog4@ashraeli.org">bog4@ashraeli.org</a>

### ASHRAE 2016/2017 COMMITTEES

COMMITTEE	NAME	PHONE	FAX	EMAIL
Programs & Special Events	Andrew B. DuBel, PE	212.967.7651	212.967.7654	<a href="mailto:programs@ashraeli.org">programs@ashraeli.org</a>
Membership (MP)	Bill Artis	201.395.3750		<a href="mailto:membership@ashraeli.org">membership@ashraeli.org</a>
Refrigeration	Bill Artis	201.395.3750		
Chapter Technology Transfer (CTTC)	Murat Bayramoglu	631.312.8818		<a href="mailto:cttc@ashraeli.org">cttc@ashraeli.org</a>
Grassroots Government Activities (GGAC)	Matthew Vitrano	212.643.9055	212.643.0503	<a href="mailto:ggac@ashraeli.org">ggac@ashraeli.org</a>
Newsletter Editor	Liset Cordero	212.643.9055	212.643.0503	<a href="mailto:editor@ashraeli.org">editor@ashraeli.org</a>
Research Promotion (RP)	Frank Paradiso	631.632.2791	631.632.1473	<a href="mailto:rp@ashraeli.org">rp@ashraeli.org</a>
Historian	Michael Nigro	212.643.9055	212.643.0503	<a href="mailto:historian@ashraeli.org">historian@ashraeli.org</a>
Student Activities (SA)	James Hanna	718.269.3768	718.269.3794	<a href="mailto:sa@ashraeli.org">sa@ashraeli.org</a>
Young Engineers in ASHRAE (YEA)	Elizabeth Jedrlinic	718.269.3554	718.269.4698	<a href="mailto:yea@ashraeli.org">yea@ashraeli.org</a>
Webmaster				<a href="mailto:web@ashraeli.org">web@ashraeli.org</a>
Nominating	Michael Gerazounis, PE, LEED AP	212.643.9055	212.643.0503	<a href="mailto:nominating@ashraeli.org">nominating@ashraeli.org</a>
Reception & Attendance	Michael Nigro	212.643.9055	212.643.0503	<a href="mailto:reception@ashraeli.org">reception@ashraeli.org</a>
PR & Engineering Joint Council of LI (EJCLI) Liaison	Andrew Manos, LEED AP	631.632.2791	631.632.1473	<a href="mailto:pr@ashraeli.org">pr@ashraeli.org</a>
Chapter Regional Conference – 2017 (CRC)	Richard Halley	718.269.3809	718.269.3725	<a href="mailto:crc@ashraeli.org">crc@ashraeli.org</a>
Golf Outing	Peter Gerazounis, PE LEED AP	212.643.9055	212.643.0503	<a href="mailto:golf@ashraeli.org">golf@ashraeli.org</a>
Awards	Brian Simkins	203.261.8100	203.261.1981	<a href="mailto:bsimkins@accuspecinc.com">bsimkins@accuspecinc.com</a>
ASHRAE LI, P.O. Box 79, Commack, NY 11725				

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## Chapter Monthly Meeting - Program for 2016/2017

<b>September 13, 2016</b> * At Westbury Manor  Dinner Presentation – Code Compliance Considerations for VRF Applications Presenter: Bill Artis <b>**1 PDH**</b>  <b>Refrigeration Night</b>	<b>March 14, 2017</b> * At Westbury Manor  Dinner Presentation— TBD Presenter: TBD <b>**1 PDH**</b>
<b>October 11, 2016</b> * At Westbury Manor  Dinner Presentation— TBD Presenter: TBD <b>**1 PDH**</b>	<b>April 11, 2017</b>  <b>ANNUAL FIELD TRIP - TBD</b>
<b>November 8, 2016</b> * At Westbury Manor  Dinner Presentation-- Phenolic Duct Construction Standards Presenter: Eli P. Howard, III <b>**1 PDH**</b> <b>Joint meeting with SMACNA Membership Promotion</b>	<b>April 20, 2017</b>  <b>ASHRAE Webcast - “Using Analytics to Drive Building Performance”</b>
<b>December 13, 2016</b> * At Westbury Manor  <b>HOLIDAY PARTY</b> Free Buffet Dinner for Members	<b>May 9, 2017</b> * At Westbury Manor  Dinner Presentation— TBD Presenter: TBD <b>**1 PDH**</b>  <b>Refrigeration Night</b>
<b>January 10, 2017</b> * At Westbury Manor  Dinner Presentation– TBD Presenter: TBD <b>**1 PDH**</b>	<b>May 8, 2017</b> * Cherry Valley Club, Garden City, NY  <b>ANNUAL GOLF OUTING</b>
<b>January 28 to February 1, 2017</b>  ASHRAE Winter Meeting Las Vegas, NV	<b>June 13, 2017</b> * At Westbury Manor  <b>Free Buffet Dinner for Members</b>  <b>PAST PRESIDENTS NIGHT &amp; OFFICER INSTALLATION</b> <b>STUDENT SCHOLARSHIPS TO BE AWARDED</b> <b>ASHRAE History Quiz and prize Give-A-Ways</b>
<b>February 14, 2017</b> * At Westbury Manor  Dinner Presentation—TBD Presenter: TBD <b>**1 PDH**</b>  <b>Membership Promotion Night</b>	<b>June 2017</b>  <b>ANNUAL FISHING TRIP - TBD</b>
<b>February 19-25, 2017</b>  <b>NATIONAL ENGINEERS WEEK</b>  <b>EJCLI Seminars</b>	<b>August 17-19, 2017</b>  <b>CHAPTERS’ REGIONAL CONFERENCE (CRC) REGION I</b> <b>HAUPPAUGE, LONG ISLAND, NY</b>

## Long Island Chapter - Past Presidents

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



## FINAL PAOE POINTS FOR 2015/2016

Chapter Members	Membership Promotion	Student Activities	Research Promotion	History	Chapter Operations	CTTC	GGAC	Chapter PAOE Totals
282	360	1,865	2,761	550	1,405	2,150	795	9,886



## September Program



### Dinner Presentation

#### **“Code Compliance Considerations for VRF Applications ”**

*Presented by*

**William S. Artis, LEED AP BD+C**  
**Daikin Applied New York**

**Attendees  
Will Earn  
1 PDH!**

<b>DATE:</b>	<b>TUESDAY SEPTEMBER 13, 2016</b>		
<b>Time:</b>	6:00 PM - Cocktails and Hors D'oeuvres 7:00 PM - Dinner Presentations 8:45 PM - Conclusion	<b>Fee:</b>	\$ 45.00 Member \$ 50.00 Guest \$ 15.00 Student
<b>Location:</b>	<b>WESTBURY MANOR</b> (516) 333-7117 1100 Jericho Tpke., Westbury, NY 11590 <b>Directions are posted at @ <a href="http://www.ashraeli.org">www.ashraeli.org</a>.</b>		
<b>Presentation:</b>	<p>When designing variable refrigerant flow systems, do you find yourself asking life's tough questions?</p> <p>“Do I need economizers? What's the right insulation thickness for refrigerant pipes? Is there an efficiency standard for VRF systems in NYC?”</p> <p>If so, then “Code Compliance for VRF Systems” is the seminar for YOU! In this seminar, we will review how local codes and consensus standards affects the design and installation of Variable Refrigerant Flow systems. Topics include an introduction to VRF systems, design considerations, and a review of applicable codes and standards for NYC projects; such as the 2014 NYCECC, ASHRAE 90.1, ASHRAE 62.1, ASHRAE 15/34, the 2014 NYC Mechanical Code, <b>AND now updated to incorporate changes to the State and City Energy Codes taking affect later in 2016.</b></p> <p><b>All attendees will receive <u>1 PDH</u>.</b></p>		
<b>About our Speaker:</b>	<p><b>William S. Artis, LEED AP BD+C</b>, is a Project Manager for Daikin Applied New York, Chapter Secretary for the ASHRAE Long Island Chapter, and a voting member and Programs Subcommittee Chair of ASHRAE Technical Committee 8.7- Variable Refrigerant Flow. Bill has authored several articles on the subjects of VRF system design and commissioning, as well contributed as co-author for “Ch. 18: Variable Refrigerant Flow Systems” chapter in the 2016 ASHRAE Handbook: Systems and Equipment.</p>		

CHAPTER MAY NOT ACT FOR SOCIETY

An International Organization

## Young Engineers in ASHRAE (YEA)

Welcome back to another great year at ASHRAE. My name is Elizabeth Jedrlinic and I will be the YEA Chair this year. The YEA committee is dedicated to encouraging and educating young engineers through networking and chapter events. All current members of ASHRAE, under the age of 35, have the opportunity to participate in and develop the YEA committee.

ASHRAE offers some great programs to make it more affordable for younger members to join and participate.

### Smart Start Program:

A 3-year program that allows Student members to transfer to Associate grade membership at a rate that is recent-graduate friendly. The application can be found on the ASHRAE website.

### Scholarship for HVAC Design Essentials Training:

The YEA Institute offers one full scholarship for attendance to the HVAC Design: Level I – Essentials training. Details are available on the ASHRAE website for those interested in applying.

### Upcoming YEA Events:

The YEA Leadership Weekend Fall 2016 will be held in Charlotte NC from November 4-6<sup>th</sup>.

The YEA Leadership International event will be held in Athens Greece from September 9-11<sup>th</sup>.

Through Leadership U, YEA members can apply to attend the ASHRAE Winter conference in Las Vegas and be matched with Society Officers. Through this experience they will get to participate in their events, board meetings and social events.

Registration for these events are is currently available on the ASHRAE website. These are two great to learn more about ASHRAE and build relationships with other young engineers.

I will be putting together some local social events as well, so keep an eye out for those. Please reach out if you have any interest in joining this committee.

**Elizabeth Jedrlinic**  
**YEA Chairman**



## Research Promotion

My name is Frank Paradiso and I am your new RP chair for the 2016-2017 year for the Long Island ASHRAE chapter. I returned from the RP training held in July with a newfound understanding and appreciation of what the campaign does in supporting numerous research projects.



I would also like to thank all the companies who have participated in the annual 2016 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 nonASHRAE members at no-cost and can be obtained from our monthly meetings or directly from our web-site.

The Directory is intended to provide better communications between manufacturers and their sales representatives; engineers who specify products; contractors who purchase and install the equipment; and other interested parties. Product Directory listings are not limited to ASHRAE members and the listings are not to be considered as advertising or endorsement by ASHRAE of any product, manufacturer or representative.

Last year's overall resource promotion goal was exceeded and reached \$2,573,654 with many research projects on board. Our chapter raised approximately \$27,134 towards this goal and the overall goal was met. I am hoping I can count on the continued support of all of our past contributors who have generously supported us over the years.

Finally I would like to acknowledge and thank all the companies and individuals who were generous enough to have participated in ASHRAE's RP campaign from 2015-2016:

### INDIVIDUALS

Frank D Morgigno	Marcel A Bally
John D Nally	Evans J Lizardos
Charles J. Lesniak, PE	Jerome T Norris
Richard L Rosner, PE	Richard I Halley
Ronald J Kilcarr, PE	John J Fanneron
Robert J Fuchs	Michael Gerazounis, PE
Steven Benkovsky	Donald W Kane, PE
Jerome A Silecchia	Andrew B Dubel
Thomas Fields, PE	Richard J Pearson, PE
Chris M Sideris	James R Tauby, PE
Andrew E Manos	James Hanna
Ricky Gaska	Frank Paradiso
William Artis, Jr	Anthony J Rosasco, Sr

### COMPANIES

Catan Equipment Sales	Kilma - NY
Applied Technologies of NY Inc	Platsky
M V Controls	Environmental Air Quality
Venco	EMTEC Consultants Professional Eng
Bladykas Engineering PC	Gilbar
Accuspec Inc	RPG Associates
A. E. F. Sales	Analytical & Combustion Systems
Rathe Associates	Highmark NY, LLC
Anron Heating & Air Conditioning Inc	Mason East Inc
RMF Engineering	Dagher Engineering
SMACNA - Long Island	Wales Darby Incorporated
ASAP Sales	Bush Wholesalers
Office of Anthony J Rosasco	
A D E Systems Inc	
Building Cooling Systems	

### CONTRIBUTIONS CAN BE MADE IN THE FOLLOWING WAYS:

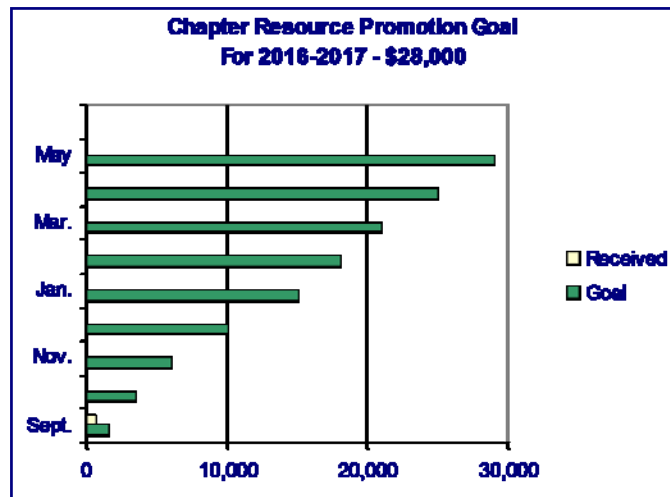
1) You can mail your checks, made out to ASHRAE Research Promotion, to:

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](http://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

***“Welcome back my friends, to the show that never ends,  
We’re so glad you could attend, come inside, come inside”***

It's time to kick off another ASHRAE Chapter year, and before getting down to business I want to recognize some new members who have joined our chapter since last year and welcome them into the LI Chapter fold.

### Full Members

Thomas Corichi  
Wayne Huynh  
David Jendras  
Ronals Merhige  
David Ozsvath  
John Perrotta  
Andre Robitaille

John Halicek  
Andreas Lambridis  
David Lax  
Joseph Muller  
Laura Palino  
Andrew Saggese  
Joseph Temperini

Talat Gjimishta  
Pedro Godoy  
Douglas Hartough  
Sameer Jafari  
Justin Koebele  
HaVan Kurt  
Benny Lin  
Calvin Lin

### Associate Members

Michael Albers  
Steven Benkovsky  
Christopher Catan  
Mathew DiBiase  
Mathew Eisaman  
Michael Gerazounis

### Student Members

Sayyid Abdullah  
Gabriel Caamal  
Jennifer Camacho  
Michael Caruso  
Michael Fudrini  
Matthew Gannotta  
Amber Gely

Albert Marin  
Justin Michalowski  
Richard Pak  
Joshua Porter  
Daniel Purschke  
Sandra Ruttkayova  
David Santana  
Gurnihal Singh



Membership Promotion is focused on three core goals; recruiting, retaining, and advancing members. To increase our number of chapter members, we will be holding two Membership Promotion themed nights that will include incentives for bringing non-members to chapter meetings, as well as getting new members to sign up with ASHRAE and the Long Island Chapter.

After reviewing the retention status of members, I can say that we have done a very good job of retaining members who have joined our organization over the last three years, and our goal will be to continue that trend through this next year. One of the goals of the MP Committee this year will be to reach out to former members whose membership has lapsed or been cancelled about rejoining ASHRAE, and I encourage you to reach out to any former members that you know of and ask them to come to a chapter meeting this year.

For advancement, my goal this year will be to advance as many Associate grade member to Full-Member status. I have already identified numerous candidates for this grade increase and will be submitting them to society for this advancement. This is an important distinction, as it shows that the member's experience and commitment to the industry. To represent this distinction, we will be incorporating grade levels on the member name badges that will be used during chapter meetings this year. The criteria for advancement is 12 years of qualifying experience (can be a combination of school, licensure, experience; these can be done concurrently), and if you think you may qualify for this advancement then please reach out to the MP Committee or a board member so that we may submit you.

Aside from the denoting the higher level of qualifications and experience, Full-Member grade also enables you to use “Member, ASHRAE” or “M.ASHRAE” in your email signature, and it is also a requirement to serve in certain positions within ASHRAE.

The MP Committee is also seeking members who would like to be part of a “Membership Profile” for future newsletter articles. Next month, we will be doing a profile on Tom Watson, former Society President, and Chief Engineer for chiller design at Daikin Applied.

**Bill Artis**

**Membership Promotion Chair**

**Andrew Blom**

**Membership Promotion Co-Chair**

## CTTC - ENERGY POLICIES AND HVAC&R



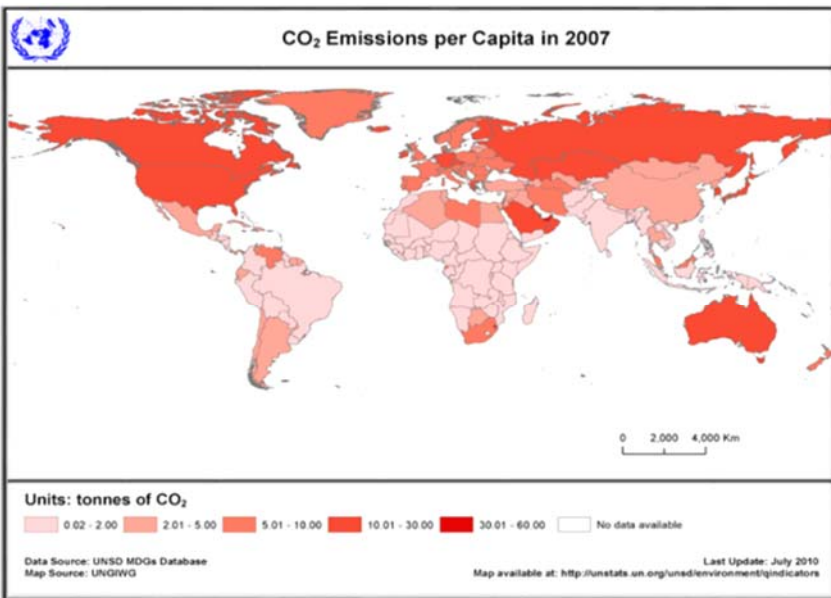
**Figure 1: Policy makers should read the big data right.**  
<http://www.collegeportraits.org>

HVAC&R business expansion, or contraction, has variable factors. It is also shaped by local, national, and even international policies, as well as social, cultural, and economic factors. Since I was born and raised in a different country with much lower GDP per capita in comparison with US GDP per capita, I could instantaneously tell the HVAC&R, lighting, transportation practicing differences between the two countries. For example, lower income countries' engineering focus would be primarily on heating systems depending on location. Minimum human comfort requirement is about heating only, and air conditioning and ventilation is provided mostly by natural ventilation; this is implemented through operable windows, and cooling ventilation is not much of a concern. Hence, lower income



countries' gross energy consumption is much lower than high income countries, as well as HVAC&R technology, engineering wise. Economics shapes the level of human comfort, hence energy consumption.

For the last few decades, China and India's GDP has dramatically increased, as well as other developing economies. In parallel, increased energy usage per capita, as a result of burning more fossil fuels, increased greenhouse gases CO<sub>2</sub>, CH<sub>4</sub>, etc. emissions in the atmosphere. Consequentially, higher greenhouse gas concentration may yield to higher land



**Figure 2: High income countries emit more CO<sub>2</sub> to the atmosphere.**  
**Source: United Nations**

surface temperature, expansion of all Earth water volume, and/or melting of Arctic ice. Such a risk may cause a catastrophic threat to humanity. After long lasting international discussions, in 2015, the Paris Agreement was signed by 195 countries worldwide. Since after Kyoto protocols, some countries had already started to take action against climate change, and adjusted their economies likewise, especially in Northern Europe. In US, some states had already taken action such as California and New York. New York City passed a local law bundle called The Greener, Greater Buildings Plan (GGBP), encompasses LL84, Benchmarking; LL85, NYC Energy Conservation Code; LL87, Energy Audit and Retro-Commissioning; LL88, Lighting Upgrades and Sub-metering. GGBP targets 15,000 buildings over 50,000 sq. ft. buildings, which encompasses 48% of city's total energy consumption, to reduce CO<sub>2</sub> emissions by 30% based upon 2009 baseline year levels. Concurrently with other NY State policies such as REV, NYSUN, etc. these policies have direct and/or

indirect impact on HVAC&R industry markets. Those HVAC&R industry related companies such as contractors, designers, manufacturers, architects will be in much better condition if they manage to align themselves into the new energy policies.

During the CRC convention held in Rochester, New York in August 2016; I remember one of the presenter's "To be able to win an award, a project should be a real innovative project, not a copy of off the shelf" expression. This expression shows how ASHRAE society locate its position to contemporary developments. USGBC, EPA, UN, etc. are all pushing for more stringent policies for their building HVAC&R construction, and all mostly rely on ASHRAE standards, or ICC. During the times when energy prices weren't so high--before 1972 oil crises, when greenhouse gases weren't a concern--buildings were built with dramatically large boilers and chillers; this gave designers a huge comfort of heating or cooling redundancy. No designer worried about not being able to supply heating or cooling load on a building. Now policies are

## CTTC - ENERGY POLICIES AND HVAC&R (Cont'd. from Page 10)

pushing and incentivizing for not only more efficient systems designs, but also more efficient O&M practices by the laws GGBP in NYC. If a building needs a retrofit or replacement, the new project has to be innovative, not off of a shell project. All heating or cooling loads, ventilation needs has to be aligned with new IEQ. There are more computer and electronics in the buildings, but less people, no smokers, less or no incandescent heat dissipating lights reducing cooling loads. This list could be extended much more with all HVAC&R designers are well aware of.

In December 2015, NYCDOB, in conjunction with AEE, NYSERDA, and NYC policy makers, held conference at NYIT in NYC, and tried to explain the achievements gained throughout the first 3 years of the GGBP. Unfortunately, the achievements weren't at the desirable level, yet officials determined to achieve the goals. But, for the purpose of data collection via energy audits,

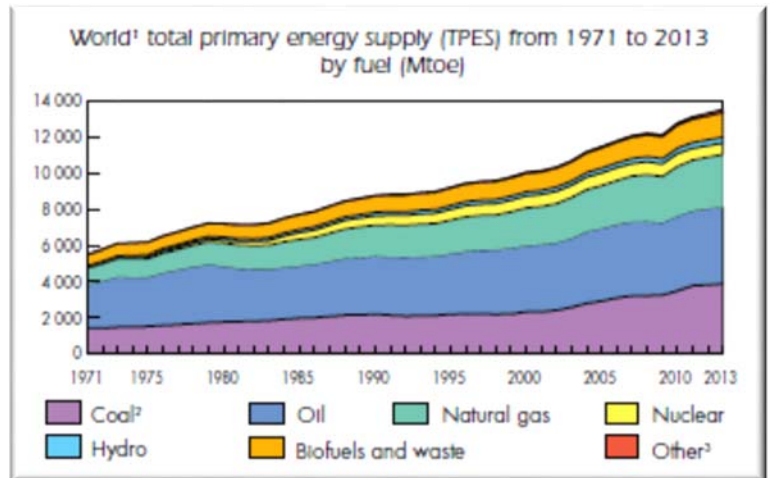


Figure 3: Metric ton oil equivalent in 1971 increased from ~ 5500 Mtoe to ~ 13,500 Mtoe in 2013. In 42 years energy supply is doubled. Source: IEA (International Energy Administration)

*"To be able to win an award, a project should be a real innovative project, not a copy of off the shell"*



Figure 4: 1972 Oil Embargo crises stopped gas pumps running.

NYCDOB will have the information to incentivize the building equipment. This is an indication that, neither city officials, nor consultants, including HVAC&R firms, have succeeded enough to reach out to building owners or managements to utilize energy conservation measures. Building owners are holding back because the plan is not clear enough them to proceed. Or, consulting firms are not well rounded yet. Something is for sure: There is huge market space for all consulting, engineering, contracting firms sitting out in NYC with at least 15,000 existing buildings projects.



Finally, I would like to thank and congratulate Don Kane, who is now ASHRAE-LI chapter president, who left me CTTC with a raised profile.

I may not delve into the HVAC&R subjects as technically as Don did for the last several years, but I'll try my best. I'd like to thank our most recent past President Thomas J. Fields, as well as other presidents: the BOG and all chapter members, and volunteers. Hopefully, as existing ambitious BOG members, we will have a successful year with CRC 2017 host on Long Island. In Rochester CRC 2016, ASHRAE folks were already excited about 2017 Long Island CRC. I believe with all young and experienced members in BOG and our chapter, we will raise the CRC hosting bar in 2017 by not only providing the networking opportunity but also disseminating innovation.

**Murat Bayramoglu**  
CTTC Chair



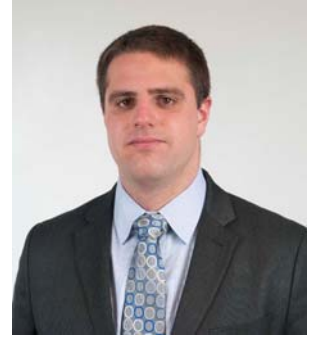
Figure 5 Place the right gear in the right location Source:



## Grassroots Government Activities Committee (GGAC)

Welcome back ASHRAE members!

I am Matthew Vitrano, your new Grassroots Government Advocacy Chair (GGAC). One of the primary responsibilities of the GGAC is to act as liaison between local government and our ASHRAE chapter. As the link between the two, it is the GGAC's responsibility to assure local officials are up to date on new or revised ASHRAE standards. Members of this subcommittee can help governing bodies stay informed of both the positive and negative effects of new and evolving bills in the HVAC field. If you are interested in working as a component on this team please contact me.



The 2016 CRC was a success! Thank you again to the Rochester Chapter for organizing a great event. It is invaluable to hear other practices and ideas from other chapters' GGACs, as well as the Regional Chair.

**Matthew J. Vitrano**  
**Grassroots Government Activities Chair**

## History

Welcome to another exciting year of ASHRAE! My name is Mike Nigro and I will hold the History Chair for the 2016-17 season.

The history committee is responsible for encouraging and ensuring the continuation historical research as well as providing support of history related activities. As chapter historian the primary goal is to ensure a written history of the chapter is well documented. We can start by updating our history display including pictures from the Rochester CRC! Big Thank You to the Rochester Chapter for hosting this year's CRC. Everyone had a great time and learned a lot from other chapters chairmen.



Please contact me if interested in joining the history committee and continuing the great work past members have documented. Remember, there is no one too young to be part of this committee! See you all at next month's meeting!

**Michael Nigro**  
**History Chairman**

## Student Activities

It's that time of year again where school is back in session, and it is time to get learning back in high gear. September always brings new opportunities for our Students and I look forward to helping introduce ASHRAE to as many as possible. Continuing our program from last year, we will have two Student Activities Nights, November and February. I ask all Members to help promote this message. So let's get started on this early to get as many new faces at our meeting as possible. With an excellent lecture schedule this year I expect a great turn out.

**Student Membership** - Student Members are sponsored by full-grade Members or Associate Members. The student must be studying or have an interest in an HVAC&R industry-related field. A student eligible for ASHRAE student membership is a person matriculated in an approved course of study in a university, college, junior college, or technical institute, who is being educated in the arts and sciences covered by the Society's objectives.



**The Student Zone** - The Student Zone web page offers valuable career and educational resources for ASHRAE Student Members.

Please visit: <http://www.ashrae.org/students/> for more information on all the Student ASHRAE activities and opportunities.

**James Hanna**  
**Student Activities Chairman**

## Refrigeration

The Refrigeration Committee is back! To start this year off, our first chapter meeting, September 13th, will be our first of two refrigeration nights for the chapter, and I am very excited to get to present my presentation on "Code Compliance Considerations for Applying VRF Systems". We will be reviewing many of the frequently asked code questions that designers and contractors have, including that little thing called ASHRAE Standard 15, and answering life's tough questions.

As excited as I am for that, what we are really looking forward to this year is getting YOU more involved in our committee! **One of our major goals as a committee this year will be to identify and submit projects for the Comfort Cooling and Milton Garland Awards this year.**



The descriptions of the awards and submission criteria for the awards are as follows:

"The award shall be known as the Milton W. Garland Commemorative Refrigeration Award for Project Excellence. Refrigeration shall be defined as any use of mechanical refrigeration machinery for application other than human comfort. In general, this will be for food processing and preservation as well as industrial applications. It could also apply to refrigeration used in manufacturing processes, life support in extreme environments, recreational facilities, or other non-comfort cooling applications. The award shall be made to both the designer and the owner of a *non-comfort cooling refrigeration application that incorporates new technology in a unique manner.* "

The awards are open to all who think their projects or other projects with which they are familiar, have achieved some distinction.

- Projects nominations may be prepared by the designers, architects, engineers, owners, or suppliers.
- A member of the project team or the owner must be an ASHRAE member. The nominator must inform and have approval from the owner of the installation that the entry may be published. (The owner's name may be withheld for privacy.) A release to this effect must be obtained from the owner of the project (see Submission Form).
- All projects must be submitted following twelve (12) preceding months and before forty-eight (48) months of the initial operation date of the system.

All project submissions are due by May 1st, and we strongly encourage members to start identifying projects to submit as soon as possible. Please contact myself or Brian Simkins about submitting this for you.

We are also establishing a "**Dark Side Subcommittee**" within Refrigeration to promote involvement of our members in ASHRAE standards and guidelines, Technical Committees, and other technically oriented society endeavors. I will be putting together a subcommittee meeting to review the changes to ASHRAE Standard 15 and develop comments to submit to society during the public draft review period. This will gain us points as a chapter as well as encourage other members to become more involved in the process of standards/guideline development.

We will also be adding presentation for promoting involvement in these committees, as well as providing updates on these committee activities from various member who are involved themselves. If you have any questions about joining technical committees or tracking updates to ASHRAE documents, please go to:

<https://www.ashrae.org/standards-research--technology/technical-committees>  
<https://www.ashrae.org/standards-research--technology/standards--guidelines>  
<https://www.ashrae.org/standards-research--technology/public-review-drafts>  
<https://www.ashrae.org/standards-research--technology/standards-actions>

**Bill Artis**  
**Refrigeration Chair**

**Andrew Blom**  
**Refrigeration Co-Chair**



## June Chapter Meeting Photos





## June Chapter Meeting Photos



# EJCLI - Networking Evening with Dinner & Ethics Seminar - September 22, 2016



## Engineers Joint Committee of Long Island

*Anthony Cacioppo, P.E., Chair*

*Paul Lanzilotta, PE, Vice-Chair*

## NETWORKING EVENING with DINNER and ETHICS SEMINAR

**Thursday, September 22, 2016**

**Place:**        **Holiday Inn Plainview - 215 Sunnyside Boulevard, Plainview, NY  
516-349-7400 (Front Desk)**

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

**SEMINAR:** *“Ethical Lessons You Never Learned in School About Working as a Design Professional: From Social Media Liability to Site Safety”*

**DESCRIPTION:** In speaking with design professionals about claims made against them, experience shows that they fall broadly into two categories:

- Items that are expected, regularly taught in loss prevention seminars, but still sometimes unavoidable (e.g., litigation over RFI responses)
  - Items that are totally unexpected (e.g., a lawsuit for sexual harassment filed over Facebook comments, or a site safety emergency brought on by a simple site visit by a young project manager)
- This course focuses on the latter type of unexpected claims with the goal of providing you enough real-life examples and the training necessary to avoid them outright or assist in training others.

**Speakers:**    Barbara Sable, Assistant Vice President, RLI Insurance Company  
                     Marty Schwartzberg, Esq., Marshall Dennehey Warner Coleman & Goggin

**This 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  
NY Association of Consulting Engineers  
Society of Manufacturing Engineers

Farmingdale State University  
Stony Brook University  
Hofstra University  
Instrument Society of America  
American Society for Engineering Education  
American Society for Quality



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### NETWORKING EVENING with DINNER and ETHICS SEMINAR

**Thursday, September 22, 2016**

*“Ethical Lessons You Never Learned in School About Working as a Design Professional: From Social Media Liability to Site Safety”*

### **REGISTRATION FORM**

**To register, complete and submit this form and payment by September 19, 2016 to:**

**Andrew S. Haimes, 172 Sherry St, East Islip, NY 11730. For questions e-mail:**

**ashaimes@optonline.net**

**Fee: \$25 (includes Dinner and Seminar)**

**Make check payable to: “Engineers Joint Committee of LI”**

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Institute of Electrical & Electronic Engineers  
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American Society of Mechanical Engineers  
Society of Women Engineers  
NY Association of Consulting Engineers  
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Instrument Society of America  
American Society for Engineering Education  
American Society for Quality

## ASHRAE: Lowest Rates Available for Annual Conference



Register today for the ASHRAE Conference in St. Louis. Take advantage of the opportunity to discuss and examine the latest topics in the building industry and earn professional development credits. Hotels are filling up quickly!

**[Register before rates increase on April 27. You can register at \[www.ashrae.org/stlouis\]\(http://www.ashrae.org/stlouis\).](http://www.ashrae.org/stlouis)**

The technical sessions offer an excellent opportunity to learn the results of cutting-edge research and the latest standards that affect the built environment. Topics include nearly every technology used in HVAC&R including alternative refrigerants, fire and smoke control, smart control systems and sources and efficient utilization of renewable energy. In addition, learn the personal and business skills necessary to become and remain a leader in our industry.

The Technical Program features eight tracks, 108 sessions and more than 400 speakers. The program offers over 130 Professional Development Hours, as well as Continuing Education Units, which can be applied toward a Professional Engineering license, including the state of Florida, AIA LUs and LEED AP credits. Check out the new interactive Technical Program to find the topics, sessions and speakers of most interest to you! Featuring options to search by track, program type, date and keyword, the interactive Technical Program provides a detailed look at each session from color-coded tracks to sponsoring committees. Access, browse and bookmark the feature on your computer, tablet or smartphone.

**[The interactive Technical Program is available at \[www.ashrae.org/stlouisinteractivetechprogram\]\(http://www.ashrae.org/stlouisinteractivetechprogram\).](http://www.ashrae.org/stlouisinteractivetechprogram)**

Technical Program	
Browse/Search	2016 ASHRAE Annual Conference: Tracks
Browse by Day	ADVANCES IN REFRIGERATION SYSTEMS AND ALTERNATIVE REFRIGERANTS
Browse by Program	FUNDAMENTALS AND APPLICATIONS
Track Index	HVAC SYSTEMS AND EQUIPMENT
Presenter Index	INDOOR ENVIRONMENT: HEALTH, COMFORT, PRODUCTIVITY
	PROFESSIONAL SKILLS BEYOND ENGINEERING
	RENEWABLE ENERGY SYSTEMS AND NET ZERO BUILDINGS
	RESEARCH SUMMIT
	SMART BUILDING SYSTEMS/REMOTE MONITORING AND DIAGNOSTICS

Can't attend the Conference but want to tap into the technology? [Check out the Virtual Conference option for the 2016 Annual Conference as well as previous ones.](#)



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## CRC 2016 Pictures - Rochester, NY





## CRC 2016 Pictures - Rochester, NY



## Fall 2016 Online Courses

### Fall 2016 Online Courses

Learn at your computer with instructor-led online courses in real time from ASHRAE Learning Institute  
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#### Register Early & Save

##### Register before September 16:

\$264 (\$199 ASHRAE Member)

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##### Register after September 16:

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##### 1. Internet

[www.ashrae.org/onlinecourses](http://www.ashrae.org/onlinecourses)

##### 2. Phone

Call toll-free at  
1-800-527-4723 (US and Canada) or  
404-636-8400 (worldwide)

NOTE: You may register up to 24 hours prior to an online course.  
Course times are in Eastern US Time Zone.

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Courses are archived for a period of time after their initial presentation.

#### Commissioning

##### ***Commissioning Process in New & Existing Buildings***

Part 1 - Mon, October 24, 2016, 1:00 pm to 4:00 pm, EDT

Part 2 - Wed, October 26, 2016, 1:00 pm to 4:00 pm, EDT

**Instructor:** Rick Casault, P.E., Member ASHRAE

#### Environmental Quality

##### ***Updated! Troubleshooting Humidity Control Problems (IAQ Practices)***

Tues, October 25, 2016, 1:00 pm to 4:00 pm, EDT

**Instructor:** Lew Harriman, P.E., Member ASHRAE, HBDP, LEED® AP

#### Energy Efficiency

##### ***Basics of Combined Heat & Power (ES Practices)***

Wed, October 19, 2016, 1:00 pm to 4:00 pm, EDT

**Instructors:** Lucas Hyman, P.E., Member ASHRAE, LEED®

##### ***Combined Heat & Power: Creating Efficiency through Design & Operations (ES Practices)***

Thurs, October 20, 2016, 1:00 pm to 4:00 pm, EDT

**Instructors:** Lucas Hyman, P.E., Member ASHRAE, LEED® AP



## Fall 2016 Online Courses

### HVAC Applications

#### **Updated! Design of Affordable and Efficient Ground Source Heat Pump Systems**

Mon, November 7, 2016, 1:00 pm to 4:00 pm, EST

**Instructor:** Steve Kavanaugh, Member ASHRAE

#### **Designing High-Performance Healthcare HVAC Systems**

Tues, October 4, 2016, 1:00 pm to 4:00 pm, EDT

**Instructor:** Dan Koenigshofer, P.E., Member ASHRAE, HFD

#### **Laboratory Design: The Basics and Beyond**

Thurs, October 13, 2016, 1:00 pm to 4:00 pm, EDT

**Instructor:** John Varley, P.E., Member ASHRAE, HBDP, LEED® AP

#### **Understanding and Designing Dedicated Outdoor Air Systems (DOAS)**

Tues, October 11, 2016, 1:00 pm to 4:00 pm, EDT

**Instructor:** Stanley Mumma, Ph.D., P.E., Fellow/Life Member ASHRAE

### Standards & Guidelines

#### **Complying with Standard 90.1-2013: HVAC/Mechanical (ES Practices)**

Mon, September 26, 2016, 1:00 pm to 4:00 pm, EDT

**Instructors:** McHenry Wallace, P.E., Member ASHRAE, LEED® AP

#### **Fundamentals and Applications of Standard 55 (IAQ Practices)**

Tues, September 20, 2016, 1:00 pm to 4:00 pm, EDT

**Instructors:** Peter Alspach, P.E., Member ASHRAE, LEED® AP, Robert Bean, R.E.T., Member ASHRAE and Lawrence Schoen, P.E., Fellow ASHRAE

#### **NEW! Fundamental Requirements of Standard 62.1-2016 (IAQ Practices)**

Wed, November 9, 2016, 1:00 pm to 4:00 pm, EST

**Instructor:** Hoy Bohanon, P.E., Member ASHRAE, BEAP, LEED® AP

#### **Understanding Standard 189.1-2014 for High-Performance Green Buildings (ES Practices)**

Wed, October 12, 2016, 1:00 pm to 4:00 pm, EDT

**Instructor:** Tom Lawrence, Ph.D., P.E., Member ASHRAE, LEED® AP



**\$\$\$ SAVE MONEY \$\$\$**

ASHRAE-LI is now offering Ticket Books for our Monthly Meeting/Dinner presentations. \$450 for a book of Eleven (that's right....eleven, one better than ten) tickets for the price of ten member admissions. Tickets are valid until December of 2017 and may be used by members and non-members. For those of you who attend all or most of our meetings and for organizations who normally send large groups to the meetings, this is a great way to save a few dollars and speed up the entry process. For more information and/or to purchase ticket books, please contact Don Kane at [cttc@ashraeli.org](mailto:cttc@ashraeli.org) or call 631-574-4870.



## ASHRAE CERTIFICATIONS

### Certification



*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

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Healthcare  
Facility Design

High-Performance  
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Building Operations

#### ASHRAE certification programs:

- Are developed by industry practitioners who understand the knowledge and experience that are expected for superior building design and system operation
- Assure employers and clients of subject mastery
- 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>

## ASHRAE SCHOLARSHIPS



Help make students aware of this financial assistance!

Through its scholarships, ASHRAE seeks to motivate students worldwide to pursue an engineering or technology career in the HVAC&R field. The Society's Scholarship Program also serves the public interest by aiding in the education of men and women to become qualified to practice as engineers in HVAC&R.

ASHRAE has 33 scholarships available for the 2017–18 school year, for high school seniors entering college through senior undergraduate engineering students and engineering technology students. **ASHRAE is seeking your assistance in making students aware of this financial assistance.**

- 11 regional/chapter and university-specific scholarships - \$3,000 to \$5,000 each. **Now accepting applications!**
- 13 undergraduate engineering scholarships - \$3,000 to \$10,000 each. **Now accepting applications!**
- 1 freshman engineering scholarship - \$5,000
- 4 high school senior scholarships - \$3,000 each
- 4 engineering technology scholarships - \$5,000 each

Qualified students are encouraged to apply at [www.ashrae.org/scholarships](http://www.ashrae.org/scholarships).



"The financial support that you provided to me will be a great help to pay my educational expenses. Your generosity has taken me to be one step closer in achieving my educational and career goals. When I graduate, I hope that I can use what I have learned, along with all of the experiences that I've had at MNSU, to give back to others and help them in pursuing their goals just as you have helped me." *Aldo Kusnardi, Minnesota State University, Mechanical Engineering, Reuben Trane Scholarship, 2016-2017*

Don't Miss Out!

### Annual Application Deadlines:

**December 1** for undergraduate engineering, regional/chapter and university-specific scholarships

**May 1** for engineering technology, freshman and high school senior scholarships

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