



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

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President's Message

It's hard to believe the summer is over, maybe because it wasn't really hot it seemed to leave us waiting for summer and it never showed. You didn't hear much about global warming this summer. Living and working in the Town of Islip I did get to experience the 200 year rain storm this summer but I slept right through most of it!

So you have a new president for the Long Island ASHRAE Chapter, time will tell if I come in like a 200 year storm or like a mild summer. I see a lot I would like to do. I feel as though Andy Manos and his predecessors did such a great job that they have given me the false illusion that this job might actually be easy. I'm just a little while into the position and I see that the president gets involved in everything. This isn't going to be easy I see, so I am now going to shoot for rewarding.



Well I introduced you to the new board and chairs in the last newsletter, let's add Rich Halley to another position as he volunteered to be the 2017 CRC Chairman. That's great because I wanted to get the ball rolling early, now with Rich in place I have a good feeling this will go well. Thanks Rich! Russ Stuber from Nominating just called me to see who our guy was, the timing was great.

This year's Society's President's theme is People, Passion and Performance, we heard more about it at the CRC from President Elect David Underwood. I like it a lot and if you haven't had a chance to read it in this month's journal, it can be also found online at <https://ashrae.org/resources--publications/periodicals/ashrae-journal>.

CHAPTER MONTHLY MEETING

DATE:	Tuesday, September 9, 2014
TIME:	6:00 PM - Cocktails/Dinner 6:45 PM - Dinner Presentations 8:45 PM - Conclusion
LOCATION:	Westbury Manor South Side of Jericho Tpke. 25 Westbury, NY 11590
FEES:	
Members -	\$40.00
Guest -	\$45.00
Student -	\$15.00

Reservations requested, but not required.

Call (516) 333-7117

If you didn't make it to the CRC you missed being proud of your chapter getting recognized for all the hard work it did last year. I organized the awards, placed them in no particular order and listed them below. You will see there are some 21 awards given to us, or earned by us depending how you want to look at it. There were actually some whippers from the crowd saying that the Long Island Chapter will need a truck to take those awards home! Look them over, take a moment to write or call your fellow members to tell them what a good job they did and how proud you are. This was an outstanding show for the chapter. Thank you one and all and especially Andy for leading us there!

Our first meeting this year is September 9th and we will have Liebert/Emerson giving the main presentation which will be good for 1 PDH. We will also be kicking off my Bright Ideas theme where Ray (The Rev) Schmitt has volunteered to kick off these 10-20 minute impromptu sessions. We are looking for additional volunteers for this honor as well as

Long Island Chapter Officers & Committees

ASHRAE 2014/2015 OFFICERS

POSITION	NAME	PHONE	FAX	EMAIL
President	Richard Rosner, P.E.	631.737.9170	631.737.9171	president@ashraeli.org
President-Elect	Thomas Fields, P.E., LEED AP	212.643.9055	212.643.0503	president_elect@ashraeli.org
Vice President	Charles Lesniak, P.E.	516.484.1020	516.484.0926	vice_president@ashraeli.org
Financial Secretary	Don Kane, P.E.	631.737.9170	631.737.9171	finsec@ashraeli.org
Treasurer	Andrew B. Dubel, P.E.	212.967.7651	212.967.7654	treasurer@ashraeli.org
Secretary	Richard Halley	718.269.3809	718.269.3725	secretary@ashraeli.org
Board of Governors	Lee Feigenbaum, LEED AP BD+C	212.243.2555	212.924.7148	bog1@ashraeli.org
Board of Governors	Frank Paradiso	631.632.2791	631.632.1473	bog2@ashraeli.org
Board of Governors	Ken Mueller	201.395.3761	763.231.6924	bog3@ashraeli.org
Board of Governors	Andrew Manos, LEED AP	631.632.2791	631.632.1473	bog4@ashraeli.org

ASHRAE 2014/2015 COMMITTEES

COMMITTEE	NAME	PHONE	FAX	EMAIL
Programs & Special Events	Thomas Fields, P.E., LEED AP	212.643.9055	212.643.0503	programs@ashraeli.org
Membership	Lee Feigenbaum, LEED AP BD+C	212.243.2555	212.924.7148	membership@ashraeli.org
Chapter Technology Transfer (CTTC)	Don Kane, P.E.	631.737.9170	631.737.9171	cttc@ashraeli.org
Grassroots Government Activities Committee	Charles Lesniak, P.E.	516.484.1020	516.484.0926	ggac@ashraeli.org
Newsletter Editor	Liset Cordero	212.643.9055	212.643.0503	editor@ashraeli.org
Research Promotion	Andrew Manos, LEED AP	631.632.2791	631.632.1473	rp@ashraeli.org
Historian	Andrew B. Dubel, P.E.	212.967.7651	212.967.7654	historian@ashraeli.org
Student Activities	Richard Halley	718.269.3809	718.269.3725	sa@ashraeli.org
Young Engineers in Training	Frank Paradiso	631.632.2791	631.632.1473	yea@ashraeli.org
Webmaster	Richard Rosner, P.E.	631.737.9170	631.737.9171	web@ashraeli.org
Nominating	Michael Gerazounis, P.E., LEED AP	212.643.9055	212.643.0503	nominating@ashraeli.org
Reception & Attendance	James Hanna Ken Mueller	718.269.3768 201.395.3761	718.269.3794 763.231.6924	reception@ashraeli.org
PR & Engineering Joint Council of LI	Andrew Manos, LEED AP	631.632.2791	631.632.1473	pr@ashraeli.org
2014 CRC Committee	Richard Halley	718.269.3809	718.269.3725	CRC@ashraeli.org
Golf Outing	Peter Gerazounis, P.E., LEED AP Steven Friedman, P.E., HFDP, LEED AP	212.643.9055 212.354.5656	212.643.0503 212.354.5668	golf@ashraeli.org

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President's Message (Cont'd. from Page 1)

additional speakers for the main presentations. Please speak to Tom Fields, myself or any board member if you are interested in speaking.

Lee Feigenbaum is back from his honeymoon and even brought his lovely wife to the CRC. Congratulations again guys.

We have plenty of room for people on committees. Just see the committee chair or any board member and we would be glad to sign you up.

I hope you are had a great summer! See you at the meeting.

Awards Presented at the CRC to our Members and the Long Island Chapter		
Recipient	Type	Description
Liset Cordero	Black Ink	The "Sounder" publication was duly noted as the Best in Region
Charlie Lesniak	GGAC	Outstanding Performance
Donald Kane	CTTC	Award of Excellence
Lee Feigenbaum	Membership	Thomas S. Brown Award
	Membership	1st Place membership promotion ribbon
Rich Halley	Student Activities	Outstanding membership growth 237%
	Student Activities	Most Improved
	Student Activities	RVC "Top Dog" award
Rich Rosner	Chapter Programs	Outstanding performance
	Web	Websitation of Excellence
	Research Promotion	Outstanding Performance
	Research Promotion	Goal, High Five and Challenge
	Research Promotion	Full Circle Chevron
	Research Promotion	Chapter Supported Endowed Scholarship Investment
Andy Manos	Leadership	Presidential Award of Excellence
	Leadership	Star Award Special Citation
	Community	ASHRAE Community Sustainability Project
	Golden Gavel	Award for Outstanding Chapter Performance
Chapter	High Honor Roll	
	Silver Treasury Ribbon	
	Special Citation Star	

Finally we received some sad news of two prominent long time members that passed away:

Abe Rubenstein passed away on July 30th. Abe was a nice person who lived to be 90 and was the LI Chapter president in 1987. A decorated WWII veteran, Abe worked as an aerospace engineer for Grumman for 25 years (including work on the Lunar Excursion Module) and as an independent consulting engineer.

Carl Graber passed away on Friday, February 28, 2014. Carl had a passion for ASHRAE, handed down from his father, who claimed that ASHRAE helped his career. Carl enjoyed this same passion for ASHRAE, appreciating the benefits ASHRAE offered and was a frequent contributor to the organization. We understand that Carl's son is now also an ASHRAE member.

Richard L. Rosner, P.E.
President - Long Island Chapter

Chapter Monthly Meeting - Program for 2014/2015

September 9, 2014 * At Westbury Manor Dinner Presentation – New Advances in High Efficiency Cooling for Data Centers **1 PDH** Presenter - Dave Smith Membership Promotion Night	February 2015 NATIONAL ENGINEERS WEEK
October 14, 2014 * At Westbury Manor Dinner Presentation – TBD Presenter - TBD Back to Basic Session I - Evans Lizardos **1 PDH**	March 10, 2015 * At Westbury Manor Dinner Presentation – TBD Presenter - TBD **1 PDH** Joint meeting with LI-Geo / YEA Night Back to Basic Session III – Evans Lizardos **1 PDH**
November 11, 2014 * At Westbury Manor Dinner Presentation – Plate/Frames Presenter - Chris Abbott **1 PDH** Resource Promotion Night Joint meeting with SMACNA Student Activities Night & YEA Night as well as Membership Promotion and Upgrade Night	April 14, 2015 ANNUAL FIELD TRIP - TBD
December 9, 2014 * At Westbury Manor HOLIDAY PARTY Free Buffet Dinner for Members	May 4, 2015 * Cherry Valley Club, Garden City, NY ANNUAL GOLF OUTING
January 13, 2015 * At Westbury Manor Dinner Presentation – TBD Presenter - TBD Back to Basic Session II - Evans Lizardos **1 PDH**	May 12, 2015 * At Westbury Manor Dinner Presentation – TBD Presenter - TBD **1 PDH** ASHRAE DISTINGUISHED LECTURER Student Activities Night / Refrigeration Night
January 2015 ASHRAE Winter Meeting	June 9, 2015 * At Westbury Manor Free Buffet Dinner for Members PAST PRESIDENTS NIGHT & OFFICER INSTALLATION STUDENT SCHOLARSHIPS TO BE AWARDED ASHRAE History Quiz and prize Give-A-Ways
February 10, 2015 * At Westbury Manor Dinner Presentation – TBD Presenter - TBD **1 PDH** Joint Meeting with USGBC and IFMA-LI Resource Promotion Night / Membership Promotion Night / Student Activities Night	August 2015 Chapter Regional Conference (CRC) Region I Syracuse Chapter Hosting August 20-22, 2015

Long Island Chapter - Past Presidents

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



PAOE FINAL POINTS TOTALS FOR 2013/2014

350Chapter Members	Membership Promotion	Student Activities	Research Promotion	History	Chapter Operations	CTTC	GGAC	Chapter PAOE Totals
296	1,260	1,902	2,964	500	2,350	1,735	1,150	11,861

September Program



Dinner Presentation

“New Advances in High Efficiency Cooling for Data Centers”

Presented by

Dave Smith
Emerson Network Power/Liebert

**Attendees
Will Earn
1 PDH!**

DATE:	TUESDAY, SEPTEMBER 9, 2014		
Time:	6:00 PM - Cocktails and Hors D'oeuvres 6:45 PM - Dinner Presentations 8:45 PM - Conclusion	Fee:	\$ 40.00 Member \$ 45.00 Guest \$ 15.00 Student
Location:	WESTBURY MANOR (516) 333-7117 Jericho Tpke (South Side), 3/10 of mile east from Glen Cove Rd., Nassau County, NY. Directions are posted at @ www.ashraeli.org.		
Presentation:	This month's presentation will discuss the following: <ul style="list-style-type: none"> • Increasing demands for higher efficiency in the data center and the impact on the cooling industry. • New technologies to reduce energy consumption. • A high-efficiency direct expansion system with the capability to use refrigerant as an economizer fluid. • A comparative economic overview of various technologies. <p>All attendees will receive <u>1 PDH</u>.</p>		
About our Speaker(s):	Dave Smith has worked in the data center industry for 25 years. His experience in electrical and mechanical support systems has enabled him to provide valuable assistance in the design of mission critical facilities. In his current position as regional sales manager for cooling products at Emerson Network Power / Liebert he works with customers and engineers in the eastern U.S. Dave holds a BSEE from the Ohio State University.		

CHAPTER MAY NOT ACT FOR SOCIETY

An International Organization

Student Activities

Summer is over for many of our students as they return to school and prepare for the upcoming year. With the start of the school year also comes the start of our ASHRAE Student Chapters. 2014 we will have Chapters in SUNY Stony Brook and Suffolk Community College. It is our plan in 2014 to expand the Student Chapters to three schools.

This time of year always brings new opportunities for our Students and we look forward to helping introduce ASHRAE to as many as possible. We are in the process of scheduling meeting at all the local schools and as always, asking for your ideas and assistance in making this year a success. Please contact me with your thoughts or see me at the monthly meeting and we can review.



We will have two Student Activities Nights one in November and one in February. Let's get started on this early to get as many new faces at our meeting as possible. We have an excellent lecture schedule this year so I expect a great turn out.

Student Membership — the Long Island Chapter led the way in Region 1 last year with 237% growth in Student Membership and we see no reason why we can't do it again this year.

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 secret to our success in Student Membership growth is you, our LI ASHRAE members. As you did last year please get the word out to Students you know. In Addition please attend our student nights and make it a point to set next to a student and talk to them about what you do and answer their questions. Who knows, you may actually gain a new hire for the summer of 2015

The Student Zone — another great resource for our Student Members is The Student Zone. This 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.

2014 / 2015 — we are looking forward to another strong year for the LI Chapter and the Student Chapters. Thank you in advance for your support, guidance and mentorship.

Richard Halley
Student Activities Committee Chair



Research Promotion

I would like to thank all the companies who have participated in the annual 2013 Product Directory of Manufacturers and their Representatives.

The Product Directory has been prepared as a service to all its members and as a service to the local HVAC industry. It will be made available to all ASHRAE and non-ASHRAE members at no-cost and can be obtained from our monthly meetings or directly from our 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 **\$2,352,014** with over 75 research projects on board. Our chapter raised **\$25,265** 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.

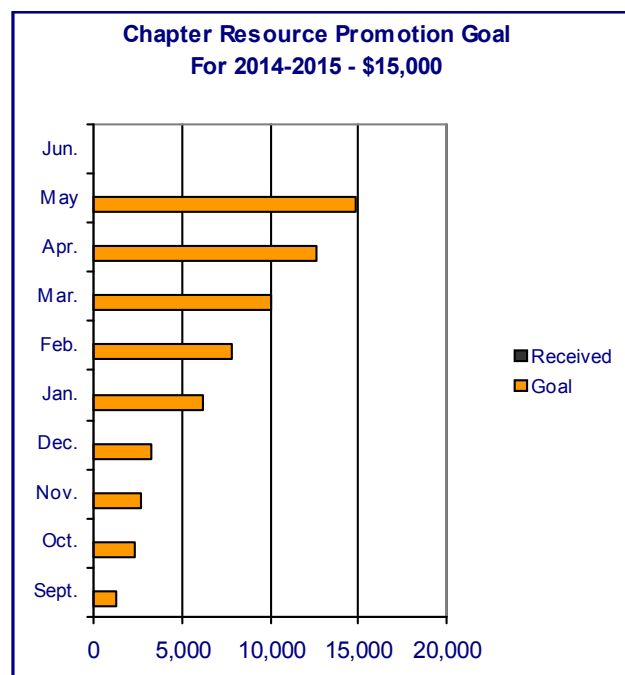
CONTRIBUTIONS CAN BE MADE IN THE FOLLOWING WAYS:

- 1) You can mail your checks, made out to ASHRAE Research Promotion, to:
Andrew Manos
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!

Andrew Manos, LEED AP BD+C
Research Promotion Chair



CTTC - Chapter Technology Transfer Committee

TECHNOLOGY TRANSFER - WHERE DOES IT GO WRONG..AND WHY?

Many people (..well.....maybe not many.....a few....would you believe.....one or two?) have asked where the inspiration comes for writing a CTTC article every month. Most of the time, an attempt is made to key into the speaker's topic at our Chapter's upcoming meeting; sometimes a news item, press release or chance encounter with someone with an interest in HVAC/R is the spark. This month, a variant of what astronomers would call Syzygy (where the Earth, Moon and Sun all align themselves in a line) can be credited. What were the three events which lined up like the celestial bodies? How were they related and, more importantly, what can we learn from an exploration of same?

Two of these events took place during the recent Chapter Regional Conference (CRC) for ASHRAE-Region 1, hosted by the Bi-State Chapter, at the Double-Tree Hilton in Tarrytown, NY. Tarrytown is a picturesque (and, from the tales of Brom Bones, related by Master Storyteller Jonathan Kruk, perhaps a bit picaresque) area, and the architecture of the hotel lobby is reminiscent of a mountain lodge, exuding an aura of warmth. While attending the CTTC workshop on Saturday morning (ably presented by Alex Weiss, Peter Oppelt and Mark Cambria) however, one could not help but noticing the fading of the aura of warmth noted in the lobby earlier, almost as if the glacial monster from Jonathan Kruk's tale from the evening before had awakened and was sitting in the same room. Yes....it was a wee bit chilly in that meeting room. This then was the first "aha" moment, a room full of HVAC/R experts in less than a comfortable environment (I would guess that much more than the statistically accepted 20% were not completely comfortable). While the irony of this could not be ignored, the pace and content of the presentations by Messrs. Weiss, Oppelt and Cambria temporarily made one forget about any slight discomfort (no purple fingers yet!) and concentrate on the information being disseminated. I did make a mental note to further analyze why it should be so difficult to maintain a comfort level in a room, being used for its design purpose.

The second "aha" moment occurred during that same workshop, when one of the attendees questioned why so much of the material in the ASHRAE Handbooks and other documents appear to be aimed more for academia, rather than the person in the trenches either designing, installing or troubleshooting an HVAC installation. No one questions the need for research and academic level studies, however, if this Technology Transfer mission is to be successful, we have to reach a much larger audience than the research community.

The third piece of the HVAC planetary alignment occurred shortly after returning from the CRC, while reading a piece by Dan Holohan (always an entertaining and educational read) in "*pme Magazine*" on research performed at the American Radiator Company at a time predating most (all?) of the people reading this newsletter. Before computers and "intelligent devices", it appears that human intelligence and practicality was much more in evidence... but more on that later.

So...we have three events, somewhat related - lack of comfort levels, excessive technicality in some documents and a history of research conducted in the early twentieth century - which may give us some insight into how technology transfer can go astray...and what can be done to bring it back on track. Think for a moment how many buildings you have visited where far more than the "20%" of the occupants were not comfortable? How many little space heaters were lurking under desks and fans on bookshelves? Copier rooms with ozone levels which could sanitize most germs known to humankind? Yet...with no shortage of standards and guidelines related to designing and installing comfort control systems, with the availability of "intelligent" control systems and real-time data acquisition technology available which is well within the budget of the most frugal building operator...why are there still uncomfortable buildings and what is the solution? Does the fault lie in academia? Not at all. Research is necessary and must be an ongoing process. Where would we be today if research into oxidation stopped after Johann Joachim Becher developed the Phlogiston Theory? No, pure research is necessary and is, by its very nature, many times somewhat "detached" from the practicalities of the real world. Imagine how difficult it would have been to improve the efficiencies of fuel fired boilers if we were still trying to isolate the phlogiston content? (A good place to note that this is where your RP contributions are important..to make sure research continues where an immediate commercial return may not be identified, thus making corporate funding unavailable, but where long term benefits may be realized).



CTTC - Chapter Technology Transfer Committee (Cont'd. from Page 9)

In the June *Sounder*, we talked about **thermoacoustic cooling**, and discussed the achievements, thus far, in implementing that technology. While this is far from a mainstream commercial product, it has progressed from the "idea" phase through research to verify the soundness of the concept. This is the real starting point for technology transfer to begin, once the researchers have verified the functional soundness of a concept and have achieved successful operation in a laboratory environment. At this stage, the only important issue is "will the concept actually work?".

The next stage is the prototype. Here an attempt is made to take the theory and transform it into a piece of hardware that actually functions. At this stage the technology transfer is still pretty pure...as there is no need at this point to have a production ready part. Exotic materials and processes, if necessary, may be utilized. The idea is to get a "thing" that functions, even if, in its current form, it could not be profitably manufactured. The team involved, at this stage, is generally a mix of scientists, engineers and technicians, all trying to keep the concept "pure".

Once a prototype has successfully proven the concept in the quasi-real world of the prototype lab, the next step would be to move the idea into production. This is where technology transfer faces its first real challenge. What is the cost to produce? Where are all the exotic materials used in the prototype going to come from? And at what cost? How can it be made smaller and/or lighter? How can it be made using less expensive, but less-skilled assembly line workers? If the technology passes these hurdles, it will move on to production, but may be a very different device than that prototype. Substitution of more readily available materials (to satisfy production and profit needs) may have changed the performance drastically. Pre-production samples are fabricated and seem to support the theory. Performance metrics are met and the item goes into production. Keep in mind that the pre-production samples are made in a model shop or in an assembly area staffed by the better technician types the manufacturer has to offer. By the time the product gets into production, the skill levels of the personnel assembling the product may be very different than the prototype technicians. Brazed connections may be overheated, critical thermal insulation may be damaged or improperly installed. Hopefully these are all found and corrected by the QA/QC procedures (schedule pressure to ship is never a concern!).

While this new innovative product is working its way to the market, the Sales Department is working overtime to get the device visibility in the Engineering Design arena. Based on the manufacturer's specifications, the design engineer feels comfortable including this product in his or her design. Unfortunately, many of the specifications were developed from the prototype, which was changed on its path to production. The product installed may be a totally different performer than what was expected, and designed for. Further, if it turns out that the end application will include maintenance and repair by untrained personnel (just put a pipe wrench on the flare nut until the copper tube twists once or twice...then you know its tight) or personnel who value "keeping the equipment running" more than, keeping it operating within design limits (that's what jumpers are for...right?) the best designed and built equipment will soon provide less than acceptable performance.

While the above, hypothetical(?) scenario may exaggerate some of the pitfalls, it is clear that the path between technology innovation and successful implementation is fraught with potential traps and detours. It would appear that a solution would be to expand the commissioning concept to include a validation of the chosen technologies and verification of the delivery of the technology contracted for. If the commissioning concept was already firmly and effectively being implemented, this would be a short stretch to include the product validation, however, in far too many instances, the concept of commissioning starting at the design stage and following through until ultimate start-up seems many times to be short circuited by bringing on the commissioning agent far too late in the process.

Why does the technology process seem so difficult? Are we specifying technology for technology's sake? Does today's advanced technology thermostat, for example, provide a real benefit over the simple (and long lived) devices it replaces? Does replacing a proven, reliable part with one containing higher parts count and failure modes achieve a real technological benefit, or has it become the latest status symbol? *Intelligent control* does have a place in the HVAC world, however, one must wonder if locating it at the fringes of a system is the best choice of topology.

I earlier mentioned Dan Holohan's article on the research at American Radiator Company (August 14, 2014 pme Magazine). As a result of their testing, they were able to supply sizing information to the designers and installers, to insure adequate heating capacity. One of the key pieces of data for a given radiator design was the surface area of the radiator. Certainly today, a freshly graduated engineer would come up with a mathematical representation of the complex surfaces of the radiator and write a few lines of code to calculate the surface area. American Radiator did not have computers, smart phones or hand held calculators. What they did have were accurate scales. By weighing a vat of paint, dipping the radiator into the vat (and letting the excess drip back into the vat) and noting the difference in weight of the paint vat after

CTTC - Chapter Technology Transfer Committee (Cont'd. from Page 10)

the radiator was coated, they knew how many pounds of paint was needed to coat the radiator surface. They took that same quantity (by weight) of paint, applied it to a flat, rectangular surface and when they ran out of paint, measured the area so covered. Voila...the surface area of the radiator.

The take-away from all this is to always use the right tool, which is usually the simplest approach. As Harrison Ford's Indiana Jones found out in the Raiders of the Lost Ark, a whip is NOT the right tool to use against a sword. Technology is a tool. Use the right tool...the right technology, and the transfer of technology will be successful.

AND...SPEAKING OF TECHNOLOGY...during the CTTC workshop, the availability of a number of ASHRAE technology awards, in both comfort cooling and refrigeration, was discussed. Some of these require a moderate amount of detail and data, while others require a substantial amount. In order for our Chapter to nominate a project for one of these awards, we need to be aware it and have an opportunity to assemble the necessary information prior to the deadlines for submittal, some of which are around Spring time next year. If you have any projects that you feel may be a suitable candidate for one of these awards, please let me know soon.

Don Kane, P.E.

CTTC Chair - cttc@ashraeli.org



Membership

Thank you for supporting YOUR Long Island Chapter of ASHRAE. In my first monthly newsletter as your Membership Promotion chair, I'd like to focus on the growth we've enjoyed over the past two months. A strong membership base is the backbone of ASHRAE. Our existing members have made generous investments of their time and expertise to help ASHRAE build momentum in shaping the HVAC industry while staying strong and relevant in the Long Island/ New York City area. As we look to the future, it is up to our new members to maintain and build upon that momentum.



In the past few months I've been fortunate to travel to multiple ASHRAE events to include Centralized Training in Seattle, and the Regional CRC in the not so Sleepy Hollow of Tarrytown, NY. Through all of this training, I learned that ASHRAE is *NOT* just for engineers! It takes a diverse group of people with skills in many different areas to facilitate the successful implementation and execution of HVAC systems.

To that end, our newest members have backgrounds in logistics, energy management, consulting, sales and academia. More than half are also new members of Young Engineers in ASHRAE. I'd like to extend a warm welcome to our newest members (alphabetical order):

Eric Adjei
Mike Rohan
Zachary Steiner
Frank Stamatatos
Tim Tangel

And we'd like to welcome back Dr. Jagdish Prasad and Matt Romanelli!

Please join me in welcoming our newest members to the Long Island chapter at September's meeting at Westbury Manor.

While it is a pleasure to welcome these new members, it is equally important to retain the talented people that have already invested so much of their time into ASHRAE. Please check back next month where I will discuss the importance of uninterrupted membership and congratulate our most recent renewals.

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 LFeigenbaum@PJMechanical.com

Cheers!

Lee Feigenbaum, LEED AP BD+C
Membership Chairman

Young Engineers in ASHRAE (YEA)

Hello to all, my name is Frank Paradiso and I will be the YEA chair this year. The summer's end is quickly approaching and the monthly ASHRAE Long Island chapter meetings will be starting soon.

After attending this year's Region I Chapter Regional Conference in Tarrytown NY, I furthered my understanding of what being a member of ASHRAE entails and all of the offerings the Young Engineers of ASHRAE (YEA) has to offer. As a current member of ASHRAE, under the age of 35, I have the opportunity to get involved and to inform others about the positives of ASHRAE enrollment. Joining ASHRAE while under the age of 35 automatically enrolls you in YEA.

SmartStart, a 3-year program that allows Student members to transfer to Associate grade membership at a rate that is recent-graduate friendly. The SmartStart program is the best way for ASHRAE student members to receive the many benefits of membership after graduating college.

Some other interesting YEA events taking place this year are:

YEA Leadership Weekend in Washington DC (Sept. 5-7)

- September 5-7, 2014, Washington DC

YEA Leadership International

- September 26-28, 2014, Kuala Lumpur, Malaysia

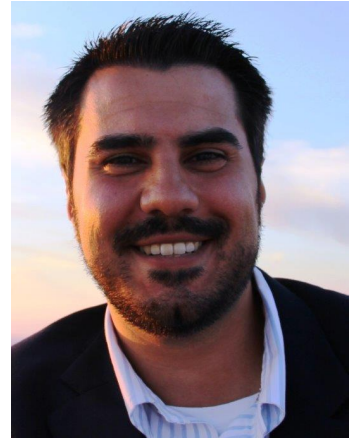
HVAC Design Essentials Training Scholarship allowing attendees to gain the fundamentals and technical aspects to design, install and maintain HVAC systems

- November 3-5, 2014, Atlanta, GA
- Deadline for applications is Friday, September 19

In addition to the learning opportunities we will be looking for ideas for social event so please contact me if you have suggestions.

For any other questions there is more information for all these programs on the ASHRAE website.

Frank Paradiso
YEA Chairman



Donate your old Handbooks

Please bring your old handbooks to the meetings for donations to our student members who do not have complete sets at this time. Frank Paradiso will be collecting them.

Grassroots Government Activities Committee (GGAC)

As most of you know ASHRAE is no longer a US based society it has moved itself to a global society. Two summers ago at the regional ASHRAE CRC, ASHRAE wanted to start a new committee in their local chapters to help it grow globally so it created the GGAC. The main purposes of the GGAC is to serve as a communicator between the local ASHRAE chapters and national, serve as a communicator between the local ASHRAE chapters and other trade organizations, and to update local government officials on ASHRAE standards and technical issues. Please look at the ASHRAE's main GGAC Facebook page at www.facebook.com/ASHRAEGGAC for more information what the GGAC is doing nationally. This is my second year as chair of GGAC and a lot was discussed at this year's CRC in Tarrytown. The incoming and returning GGAC chairs explained what they did the previous years and we brainstormed to see what worked and what didn't work. It was interesting hearing how the GGAC from the Granite state chapter was keeping their members abreast on proposed legislation changes to PE licensure. As one example of what the GGAC can do.



So for this ASHRAE season we had three joint engineering meetings and we are looking to see if other organizations would like to join us for joint meetings for the next ASHRAE year. Please contact me if your organization would like to join us for a joint meeting.

Jim Scarborough who is our national GGAC chair sent out the following letter to the GGAC chairs in our area. It would be great to see if someone from the Long Island Chapter can attend this discussion in Newark.

I wanted to make you aware of an upcoming public meeting in your area being convened by the US Department of Energy. On January 9, 2014, President Obama issued a *Presidential Memorandum—Establishing a Quadrennial Energy Review*. To accomplish this review, the Presidential Memorandum establishes a Quadrennial Energy Review Task Force. The initial focus for the Quadrennial Energy Review will be our Nation's infrastructure for transporting, transmitting, storing and delivering energy. As part of this review, public meetings are being held around the country to solicit input. The twelfth of these meetings will be held at the New Jersey Institute of Technology, Campus Center/Ballroom, 150 Bleeker Street, Newark, NJ on Monday, September 8, 2014 at 9:00 am EDT. This public meeting will feature facilitated panel discussions, followed by an open microphone session. Persons desiring to speak during the open microphone session at the public meeting should come prepared to speak for no more than 5 minutes and will be accommodated on a first-come, first-served basis, according to the order in which they register to speak on a sign-in sheet available at the meeting location, on the morning of the meeting. These meetings provide ASHRAE Chapter volunteers with an opportunity to provide input into national energy policy as it is being considered.

If you are interested in attending and would like more information, please go to <https://www.federalregister.gov/articles/2014/08/25/2014-20128/quadrennial-energy-review-notice-of-public-meeting>. As always, let me know if you have any questions.

Charlie J. Lesniak, P.E.
Grassroots Government Activities Chair

CRC 2014 Pictures



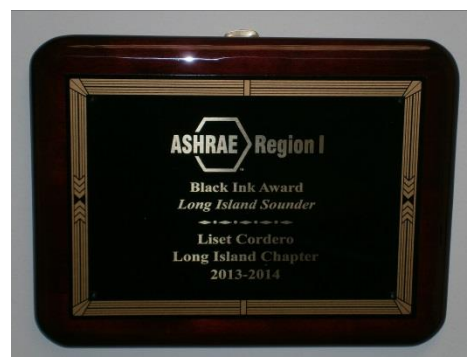
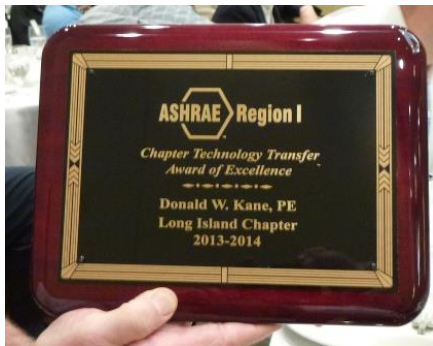
CRC 2014 Pictures



CRC 2014 Pictures



CRC 2014 Pictures



Engineers Joint Committee of Long Island - Networking Event - 9/19/14



Engineers Joint Committee of Long Island

Anthony Cacioppo, P.E., Co-Chair

Paul Lanzilotta, PE, Co-Chair

NETWORKING EVENING with DINNER and ETHICS SEMINAR

Thursday, September 18, 2014

Place: Dave & Busters • 261 Airport Plaza Blvd., Farmingdale, NY (631) 249-0708
www.daveandbusters.com

Program: 6:00pm – 7:30pm Networking and Dinner
7:30pm – 9:00pm Seminar (1.5 PDH)
9:00pm – 10:00pm Cash Bar and Networking

Seminar Description: Engineering Laws, Rules, and Regulations. Topics will include who can practice engineering, exempt persons, the industrial exemption (under what conditions is it applicable), land surveying by engineers, sealing documents (when required), forms of business entities that can practice engineering, certificates of authorization, design build and design delegation, professional misconduct, plan stamping, illegal practice, and changes on the horizon for the profession.

Speaker: Jane W. Blair, PE, Executive Secretary, New York State Boards for Engineering and Land Surveying, and Interior Design, Office of the Professions - New York State Education Department

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

To register, complete and submit this form and payment by September 15, 2013 to:
Andrew S. Haimes, PE, F.NSPE, 172 Sherry St, East Islip, NY 11730. Phone: 631-859-5190.
Email questions to: ashaimes@optonline.net

Fee: \$25 (includes Dinner and Seminar)

Make check payable to: Engineers Joint Committee of LI (credit cards can not be accepted)

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New ASHRAE Long Island Chapter Polo shirts are now available for purchase at our monthly chapter meetings:

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

ASHRAE-LI is now offering **Ticket Books** for our Monthly Meeting/Dinner presentations. **\$400 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 2015 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 finsec@ashraeli.org or call 631-574-4870.



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Industry certified HVAC/R technician with experience in residential and commercial applications.

EPA Universal Certification and/or related licenses/certifications preferred.

Prior teaching experience a plus.

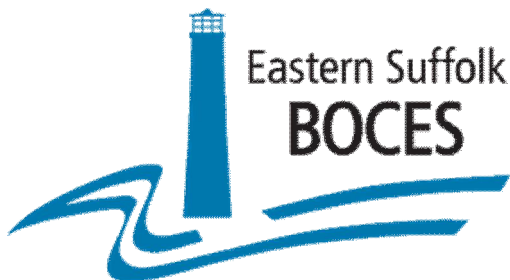
Ability to work with other instructors and independently while utilizing excellent communication and emphasis on organizational skills.

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