

# THE LONG ISLAND SOUNDER



ASHRAE Long Island Chapter, Region 1...Founded in 1957

[www.ashraeli.org](http://www.ashraeli.org)

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

## Inside this issue:

President's Message	1
LI Chapter Officers	2
Meeting Schedule	3
LI Past Presidents	4
PAOE	4
Programs	5
YEA	6
Research Promotion	7
CTTC	8,9
Student Activities	10
History	10
GGAC	11
Membership	11
End of Year Celebration	12,13
CRC 2015 Photos	14-17
Fall 2015 Online Courses	18,19
ASHRAE Ticket Books	20
Engineers Joint Committee of LI Event	21
Daikin Day Long Island	22
Advertisements	23-26

## President's Message

Welcome to another exciting year of ASHRAE Long Island! We have many upcoming events and meetings over the next year that I hope will continue to educate, inspire and focus our engineering community. I must start out with thanking our recent Past President, Richard Rosner, P.E., for an outstanding 2014/2015 year. His dedication and leadership will be hard to follow.

We last left off at our June dinner meeting. It was well attended with many of our Past Presidents coming as well. The summer has been busy for our Board of Governors. We held a turnover meeting on July 14<sup>th</sup> in Melville, where we discussed the goals for the chapter this year and how we are going to achieve them. We welcomed Bill Artis and James Hanna to the Board of Governors this year, and are happy to have them on board.

We must extend our congratulations to Past President Andy Manos on starting his new role as the Region 1 Regional Vice Chair (RVC) for Resource Promotion. Andy was instrumental in leading the Long Island Chapter in our Resource Promotion fundraising efforts, surpassing his goals for last year. We know he will do the same for the Region.

The BOG attended the Chapter Regional Conference (CRC) in Syracuse, NY, this August. As always, the CRC was a successful conference, with multiple workshops for the BOG members. The Long Island Chapter was recognized for several awards at the CRC, and these are listed below. A special mention goes out to Rich Rosner for winning the Golden Gavel, an award for Outstanding Chapter Performance. As I stated before, last year was a success in no small part to his efforts.



## CHAPTER MONTHLY MEETING

<b>DATE:</b>	<b>Tuesday, September 8, 2015</b>
<b>TIME:</b>	6:00 PM - Cocktails/Dinner 6:45 PM - Dinner Presentations 8:45 PM - Conclusion
<b>LOCATION:</b>	Westbury Manor South Side of Jericho Tpke. 25 Westbury, NY 11590
<b>FEES:</b>	
Members -	\$45.00
Guest -	\$50.00
Student -	\$15.00

*Reservations requested, but not required.*

*Call (516) 333-7117*

The Society's President's theme this year is *Making Connections*. To quote from Society President David Underwood's 2015 Annual Conference speech:

*Making Connections goes well beyond membership. It means connecting with industry, communities, governments and the public. Our mission is to advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world. For us to succeed, we have to build connections.*

In keeping with this theme, I will be encouraging all our membership to help expand our connections. Please encourage participation in ASHRAE Long Island with your co-workers and contacts. ASHRAE offers much more than just a monthly seminar – and we hope to show our membership how ASHRAE can improve their connection to the industry. I hope to see you at the September meeting.

**Thomas J. Fields, P.E., LEED AP**  
**President - Long Island Chapter**

## Long Island Chapter Officers & Committees

### ASHRAE 2015/2016 OFFICERS

POSITION	NAME	PHONE	FAX	EMAIL
President	Thomas Fields, P.E., LEED AP	212.643.9055	212.643.0503	president@ashraeli.org
President-Elect	Charles Lesniak, P.E			president_elect@ashraeli.org
Vice President	Don Kane, P.E.	631.737.9170	631.737.9171	vice_president@ashraeli.org
Financial Secretary	Andrew B. Dubel, P.E.	212.967.7651	212.967.7654	finsec@ashraeli.org
Treasurer	Richard Halley	718.269.3809	718.269.3725	treasurer@ashraeli.org
Secretary	Frank Paradiso	631.632.2791	631.632.1473	secretary@ashraeli.org
Board of Governors	Ken Mueller	201.395.3761	763.231.6924	bog1@ashraeli.org
Board of Governors	James Hanna	718.269.3768	718.269.3794	bog2@ashraeli.org
Board of Governors	Bill Artis	201.395.3750		bog3@ashraeli.org
Board of Governors	Richard Rosner, P.E.	631.737.9170	631.737.9171	BOG4@ashraeli.org

### ASHRAE 2015/2016 COMMITTEES

COMMITTEE	NAME	PHONE	FAX	EMAIL
Programs & Special Events	Charles Lesniak, P.E			programs@ashraeli.org
Membership	Ken Mueller	201.395.3761	763.231.6924	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			ggac@ashraeli.org
Newsletter Editor	Liset Cordero	212.643.9055	212.643.0503	editor@ashraeli.org
Research Promotion	Andrew B. Dubel, P.E.	212.967.7651	212.967.7654	rp@ashraeli.org
Historian	James Hanna	718.269.3768	718.269.3794	historian@ashraeli.org
Student Activities	Richard Halley	718.269.3809	718.269.3725	sa@ashraeli.org
Chapter Regional Conference Committee	Richard Halley	718.269.3809	718.269.3725	crc@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	Bill Artis	201.395.3750		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

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

**Editor's Note:** The appearance of any technical data, editorial material, or advertisement in this set of publications does not constitute endorsement, warranty or guaranty by ASHRAE of any product, service, procedure, design, or the like. ASHRAE does not warrant that information is free from errors, and ASHRAE does not necessarily agree with any statement or opinion in this set of publications. The entire risk of the use of any information in this set of publications is assumed by the user. Statements made in this publication are not expressions of the Society or of the Chapter and may not be reproduced without special permission.

## Chapter Monthly Meeting - Program for 2015/2016

<b>September 8, 2015 * At Westbury Manor</b>  Dinner Presentation – Commissioning Considerations for VRF Systems Presenter: Bill Artis <b>**1 PDH**</b>	<b>February 2016</b>  <b>NATIONAL ENGINEERS WEEK</b>
<b>October 20, 2015 * At Westbury Manor</b>  Dinner Presentation— “Dr. Duct Tape” Presenter: Max Sherman, PhD <b>**1 PDH**</b> <b>ASHRAE DISTINGUISHED LECTURER</b>  <i>Back to Basic Session I -</i> <b>**1 PDH**</b> <i>“Selecting and Designing Refrigeration Equipment Component Packages”</i>	<b>March 8, 2016 * At Westbury Manor</b>  Dinner Presentation— TBA Presenter: TBA <b>**1 PDH**</b>  <b>Joint meeting with LI-Geo YEA Night</b>  <i>Back to Basic Session III –</i> <b>**1 PDH**</b> <i>“Design &amp; Theory of ”</i>
<b>November 10, 2015 * At Westbury Manor</b>  Dinner Presentation-- TBA Presenter: TBA <b>**1 PDH**</b> <b>Resource Promotion Night</b> <b>Joint meeting with SMACNA</b> <b>Student Activities Night &amp; YEA Night as well as</b> <b>Membership Promotion and Upgrade Night</b>	<b>April 12 , 2016 (5 PM)</b>  <b>ANNUAL FIELD TRIP</b> <b>**1 PDH**</b> .  Dinner to follow at a local Restaurant
<b>December 8, 2015 * At Westbury Manor</b>  <b>HOLIDAY PARTY</b> Free Buffet Dinner for Members	<b>May 12th, 2016 * Cherry Valley Club, Garden City, NY</b>  <b>ANNUAL GOLF OUTING</b>
<b>January 12, 2015 * At Westbury Manor</b>  Dinner Presentation- TBA Presenter: TBA <b>**1 PDH**</b>  <i>Back to Basic Session II -</i> <b>**1 PDH**</b> <i>“Design of “</i>	<b>May 12, 2015 * At Westbury Manor</b>  Dinner Presentation— TBA Presenter: TBA <b>**1 PDH**</b>  <b>Student Activities Night</b> <b>Refrigeration Night</b>
<b>January 2016</b>  ASHRAE Winter Meeting	<b>June 14, 2016 * At Westbury Manor</b>  <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 9, 2016 * At Westbury Manor</b>  Dinner Presentation—TBA Presenter: TBA <b>**1 PDH**</b>  <b>Joint Meeting with USGBC</b> <b>Resource Promotion Night</b> <b>Membership Promotion Night</b>	<b>August 2016</b>  <b>Chapter Regional Conference (CRC) Region I</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		



## FNAL PAOE POINTS FOR 2014/2015

Chapter Members	Membership Promotion	Student Activities	Research Promotion	History	Chapter Operations	CTTC	GGAC	Chapter PAOE Totals
282	1,750	2,180	4,069	550	2,700	2,510	1,475	15,234

## September Program



### Dinner Presentation

#### **“Commissioning Considerations for VRF Systems”**

*Presented by*

**Bill Artis**

**Daikin Applied, New York**

**Attendees  
Will Earn  
1 PDH!**

<b>DATE:</b>	<b>TUESDAY, SEPTEMBER 8 2015</b>		
<b>Time:</b>	6:00 PM - Cocktails and Hors D'oeuvres 6:45 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 Jericho Tpke (South Side), 3/10 of mile east from Glen Cove Rd., Nassau County, NY. <b>Directions are posted at @ <a href="http://www.ashraeli.org">www.ashraeli.org</a>.</b>		
<b>Presentation:</b>	This month's presentation will cover an overview of VRF systems and their operation, basic design principals, how to compare alternate VRF systems against the Basis of Design, maintaining quality control and installation best practices, and start-up and functional testing best practices.  <b>All attendees will receive <u>1 PDH</u>.</b>		
<b>About our Speaker:</b>	<b>Bill Artis</b> a Project Engineer with Daikin Applied, New York. Bill optimizes equipment selections and design on projects, and manages QA/QC by meeting with mechanical contractors for job site inspections to identify potential installation and operational deficiencies. Bill has extensive experience as a VRF trainer; developing systems manuals and applications to assist O&M technical support staff, application engineers, owners, design engineers, contractors, and commissioning engineers.		

**HOLD THE DATE....  
OCTOBER 20, 2015....  
DISTINGUISHED LECTURER  
MAX SHERMAN, Ph.D. WILL  
PRESENT "DR. DUCT TAPE" at  
our October Chapter Meeting-  
NOTE THE OCTOBER  
MEETING IS THE 3<sup>rd</sup> Tuesday  
instead of the 2<sup>nd</sup> Tuesday**



## Young Engineers in ASHRAE (YEA)

Hello to all, my name is Frank Paradiso and I will be the YEA chair this year. The Long days of summer are nearing the start of autumn and the monthly ASHRAE Long Island chapter meetings will be taking place soon.

After attending this year's Region I Chapter Regional Conference in Syracuse 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.



To make it easier to join ASHRAE, there exists a program called 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:

The Fall 2015 YEA Leadership Weekend will be held in Montreal, Quebec from September 11-13, 2015.

The Fall 2015 YEA Leadership International event will be held in Goa, India from December 11-13, 2015.

HVAC Design Essentials Training Scholarship allowing attendees to gain the fundamentals and technical aspects to design, install and maintain HVAC systems. To apply for a scholarship to an upcoming training, an application is to be filled out and is located on the Membership & Conferences section of the ASHRAE website.

- **November 15-17, 2015 in Dubai, UAE** (deadline for application is Thursday, September 17, 2015)
- **January 11-13, 2016 in Atlanta GA** (deadline for application is Monday, November 16, 2015)
- **March 14-16, 2016 in Atlanta, GA** (deadline for application is Monday, January 18, 2016)
- **June 13-15, 2016 in Atlanta, GA** (deadline for application is Monday, April 18, 2016)

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

Stay tuned because I will be starting a Long Island chapter YEA ASHRAE Facebook page and LinkedIn in the coming weeks which will be a great way to communicate with members and set up YEA events.

We will be looking for ideas for social event so please contact me if you have suggestions.

**Frank Paradiso**  
**YEA Chairman**

## Research Promotion

Hello, I am Andrew Dubel and have just filled the position of Research Promotion Chairman for ASHRAE Long Island. Each year we raise in excess of 20,000 in order to fulfill our portion of societies reach goals. I hope I can count on the continued support those who have donated generously in the past. I also look forward to gaining support from new contributors. This year we will be continuing with our incredibly successful vendor book. We will also be continuing with our sounder advertising, cocktail hour sponsorship and 50/50 raffles. If you are interested finding out about any of these, sponsoring event, or advertising, please reach out. Lastly I wanted to say "thank you" to all contributors listed below who have donated to ASHRAE last year.



### INDIVIDUALS

Mr Andrew B Dubel	Mr John D Nally
Mr Andrew E Manos	Mr Kenneth T Mueller
Mr Anthony J Rosasco, Sr	Mr Marcel A Bally
Mr Anthony K Musumeci	Mr Michael Gerazounis, PE
Mr Charles J. Lesniak, PE	Mr Mordechai Chetrit
Mr Donald W Kane, PE	Mr Peter Gerazounis, PE
Mr Evans J Lizardos	Mr Raj Prime
Mr Frank D Morgigno	Mr Richard I Halley
Mr Frank Paradiso	Mr Richard J Pearson, PE
Mr Fred H Weber	Mr Richard L Rosner, PE, BOG
Mr James Hanna	Mr Ricky Gaska
Mr James R Tauby, PE, PE	Mr Ronald J Kilcarr, PE
Mr Jerome A Silecchia	Mr Russel Singh
Mr Jerome T Norris	Mr Thomas Fields, PE
Mr John C Cronin, Jr	

### COMPANIES

A D E Systems Inc	Highmark NY, LLC
Accuspec Inc	J-Mar Controls
Air Control Supply	Klima - New York
Applied Technologies of NY Inc	Liebert-Emerson Network Power
ASAP Sales	Long Island ASHRAE Chapter
Bladykas Engineering P C	M V Controls
Building Cooling Systems	Marplat Company
Bush Wholesalers	Mason East Inc.
Carrier Northeast	Office of Anthony J Rosasco
Catan Equipment Sales	Rathe Associates
Clean Air Company	RPG Associates
Dagher Engineering	Siemens Building Technologies -
Daikin US Corp.	Long Island
EMTEC Consultants Professional	Stantec
Environmental Air Quality	Twinco Supply Corporation
GA Fleet Associates Inc	Ultimate Power
Gilbar	Victaulic Co. - Long Island
	Wales Darby Incorporated

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

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

Andrew Dubel, P.E.  
ASHRAE Research Promotion Chair  
c/o Lizardos Engineering Associates PC  
240 West 35th Street, Suite 304  
New York, NY 10001

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!

**Andrew B. Dubel, P.E.**  
**Research Promotion Chair**



## CTTC - CRC, CTTC and BTU's

Welcome back to another "season" of ASHRAE-LI. What better way to begin than with an alphabet soup of acronyms. Your chapter officers, Board of Governor members and Committee chairs have just returned from the 2015 Chapter Regional Conference (CRC), hosted this year by the Central New York Chapter, in Syracuse. Steve Sill, CRC Chair and Bill Walter, his Co-chair, and their CRC Committee really put on a great event. We often do not think about the amount of effort and planning that goes into putting on an event like this, however, as the LI Chapter is currently in the planning process for hosting this event in 2017, all who attended took good notes. Rich Halley is Chairing the LI Chapter CRC-2017 Committee and, lacking a thaumaturgic spell, will require the support and effort of all of our chapter's membership to ensure a successful event. For those who are not familiar with the CRC, this is the time when your chapter officers and committee chairs attend workshops and business meetings to learn and/or improve our organizational skills and knowledge, to ensure the smooth running of the local chapters.



While the Chapter delegates and alternates were attending meetings on the Thursday of CRC, several technical sessions took place highlighting the technical history of the Syracuse area, as well as current and future technology studies associated with the area. Dr. Edward Bogucz (Executive Director of the Syracuse Center of Excellence in Environmental and Energy Systems), presented an informative session on the history of Syracuse as a technical/Industrial center; the predecessors of ASHRAE (ASHVE and ASRE) and the building of the Erie Canal, which provided the impetus for much of the technological and industrial growth of the area (and the United States in general). The construction of the canal established Syracuse as an inland "port". Without the canal, more than likely ships would have bypassed New York City and traveled to the Gulf of Mexico to sail up the Mississippi River, rather than up the Hudson River and across the Erie Canal. When you look back on the development resulting from the canal, you realize that one project can have a wide-ranging effect.

Those in attendance then got to hear from Seth Mulligan and Dan Cowen about the work of the Centerstate Corporation for Economic Opportunity, specifically the "incubator" approach to assisting the development and commercialization of new ideas and technology. The technical session included presentations from several participants in the incubator; one, developing CO<sub>2</sub> and occupancy sensors incorporated into wiring devices (receptacles and switches) which wirelessly communicate the data to a control system to control the outside and conditioned air; while another is perfecting a concentrating technology for solar PV and solar hydronic to increase the conversion efficiency. The work of Dr. Ez Khalifa and the Advanced Manufacturing - Thermal and Environmental Controls initiative (AM-TEC), including the Green Data Center at Syracuse University, was discussed. After the technical and business sessions on Thursday were finished, everyone migrated to the Dinosaur Bar-B-Que for food, music and the good company of those present.

On CRC Friday, while the delegates and alternates attended their caucus, Director and Regional Chair (DRC) Bill Walter conducted the Chapter Operations Workshop. Topics covered in this workshop included the importance of leadership and delegation, effective chapter planning, use of the Manual of Chapter Operations, Sustainability activities, the new on-line Chapter Information Questionnaire (CIQ), importance of bEQ topics and events, as well as insight into the reasons and implementation of the President's Award of Excellence system of points (PAOE).

After lunch, there was a demonstration of the "Steamboat Challenge", a series of STEM educational events and programs, culminating in a Do It Yourself Steamboat race. These steamboats are a variation of the Putt Putt steam boat developed in the 1890s by an Englishman, and popular for years as toys...(possibly only losing some popularity as a bathtub toy for children when the thought of a toy with a live flame unnerved some people). The twist to the Steamboat Challenge is that the contestants build their own boat with "odds and ends", some of which can be sourced from the typical household waste stream. All in all, a great way to introduce youth to the concepts of steam generation and propulsion, as well as the concepts of repurposing and conserving resources.

After the Steamboat demonstration, those who weren't busy with meetings walked the two blocks or so to the Center of Excellence, where Dr. Bogucz gave a condensed version of the previous day's history presentation and highlighted the features of the Center of Excellence building, as well as the research taking place within. While providing detailed descriptions of all of the technology associated with the Center of Excellence would take a book, the key features we saw on the tour included:



## CTTC - CRC, CTTC and BTU's (Cont'd. from Page 8)

- Brown-Field reclamation, and the attendant issues for such sites.
- Reduction in the structural material needed by judicious use of cantilevers
- Diversion of 98% of the construction waste from the landfill
- Provision for storm water retention
- Rainwater collection, treatment and reuse for flushing toilet fixtures
- Energy recovery ventilators
- Bio Fuel research
- Laser ignition (combustion engine) research
- Use of compact fluorescent and LED lighting fixtures
- Use of daylight harvesting to minimize energy needed for lighting
- Electronically controlled blinds in the south facing windows, to minimize insolation in summer.
- Radiant heating and cooling panels (ceiling mounted) throughout
- Combination of ceiling mounted radiant heating and cooling panels along with displacement ventilation from floor mounted grilles in the P. Ole Fanger Room.
- Regenerative elevators which return power to the building or grid when travelling downward
- High efficiency boiler
- Ground water source heat pumps
- Green roof plantings
- A building management system, which integrates the control of HVAC and other building systems to optimize operation. This includes indicators to show when it is beneficial to open the windows for natural ventilation to conserve energy.

Finally the Center of Excellence includes the Willis H. Carrier Total Indoor Environmental Quality (TIEQ) Laboratory, where studies are conducted on the relationship of temperature, humidity, air quality, lighting and sound on human health.

After having worked up an appetite walking up and down the Center of Excellence, the attendees boarded the bus for Hindewadel's Grove, for the Presidential Dinner. For those who are fond of clams, this was bi-valve nirvana. For those that didn't like clams there was a vast selection of food, with something for everyone. Prior to dessert, Bjarne Olesen (ASHRAE Treasurer) presented the Presidential Address on behalf of President Underwood, expressing the theme of "Making Connections".

After breakfast on Saturday, the workshops for the various committee chairs took place. As Chapter Technology Transfer Committee Chair, I attended the CTTC workshop facilitated by Chris Phelan - RVC CTTC and Pete Oppelt - RVC Programs. Chuck Gullledge, now ASHRAE Vice-President, but with roots in CTTC, as well as Candace Pettigrew from Society participated in this workshop. CTTC encompasses many facets of the chapter operation; Programs, Awards, Speaker evaluations and coordination the scheduling of ASHRAE Distinguished Lecturers for chapter meetings. Helpful guidance was given regarding setting and achieving our Management By Objective goals (MBO's), maintenance of speaker evaluation database and submission of projects and individuals for consideration for one of the Society's technical awards. Candace noted that Society now has the capability to set up on-line surveys for the chapters, which should assist in keeping our finger on the pulse of our membership and their needs.

The final CRC event is the awards luncheon, where those who have put forward the effort for their chapters and the Region are recognized. While a complete breakdown can be found elsewhere, it should be noted that, once again, the LI Chapter made a respectable showing; Richard Rosner - Past President received the Golden Gavel as well as a Sustainability award; Andy Manos received numerous RP awards; Rich Halley received awards for his work with the Student Activities and Liset Cordero, our editor once again won the Black Ink award for the excellent job she does putting the *Sounder* out every month during our "season". It should be noted that more than a few people at the CRC commented on the quality of the LI Chapter's newsletter. Kudos to Liset!

In closing, if the discussion of the History session whetted your appetite for more information about the Erie Canal and its importance, Dr. Bogucz referenced a book by Peter Bernstein "Wedding of the Waters: The Erie Canal and the Making of a Great Nation". Let's all go to our local libraries to take it out...and read it. There might even be a trivia question from it at next June's meeting!

Welcome back from the summer

**Don Kane, P.E.**  
**CTTC Chair - [cttc@ashraeli.org](mailto:cttc@ashraeli.org)**

## Student Activities

**Summer** is over for many of our students as they return to school and prepare for the upcoming year. 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 181% growth in Student Membership. 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.

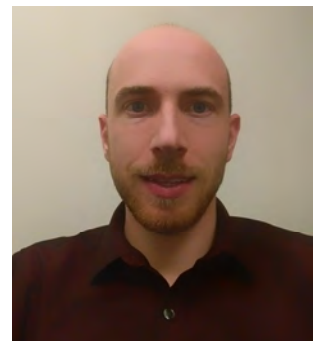
**2015 / 2016** — we are looking forward to another strong year for the LI Chapter and the Student Chapters. Thank you in advance for your support, guidance and mentorship.

**Richard Halley**  
*Student Activities Committee Chair*

## History

Greetings Members, I am James Hanna and your newest History Chairman. Each year the Chapter Historians remind us of our past and how our industry has grown from our basic beginnings. Over the next few months, I intend to dive deeper into our greatest (and not so greatest) engineering accomplishments. I also intend to remind us all of our past chapter accomplishments, and all the hard working volunteers who have come before us. I look forward to sharing our rich history with all of you as we spend 2015-16 together.

**James Hanna**  
*History Chairman*



## 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](http://www.facebook.com/ASHRAEGGAC) for more information what the GGAC is doing nationally. This is my third year as chair of GGAC and a lot was discussed at this year's CRC in Syracuse. 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 able to defeat a measure in their state that would have made it harder for engineers to become licensed. An exciting example of what GGAC involvement can achieve.



For this ASHRAE season we hope to have 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.

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

## Membership

Society President Underwood's theme is Making Connections, and this of course starts with Membership. We will be striving to add addition members this year, but will be striving to keep them involved as well.

Please encourage your coworkers and contacts to join and attend meetings. This is especially important for our young engineers as they begin their careers.

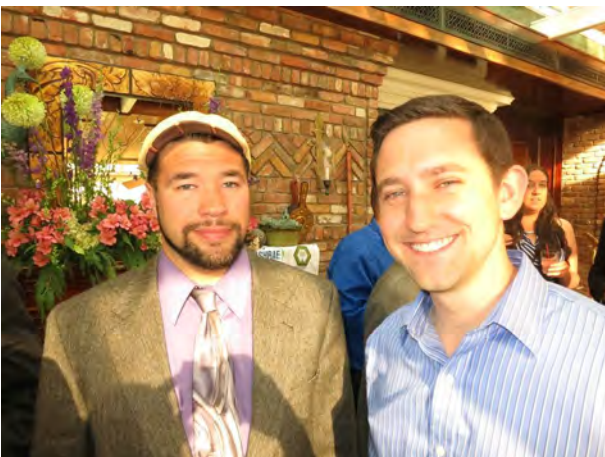
There are many ways to participate in ASHRAE, both at the local and society levels. Locally, the Long Island Chapter is always looking for volunteers to serve on our many committees. These include Young Engineers In ASHRAE (YEA), Chapter Technology Transfer (CTTC), among others. If you can volunteer please do! Speak to a BOG member for further information.

On the society level, ASHRAE has many technical committees involved in the development and maintenance of the many standards and guidelines that ASHRAE publishes. These committees can be found on the ASHRAE.org website. Typically, a resume must be submitted to sit on a committee.

**Ken Mueller**  
**Membership Chairman**



## June End of Year Celebration





## June End of Year Celebration (Cont'd. from Page 12)





## CRC 2015 - Syracuse, NY

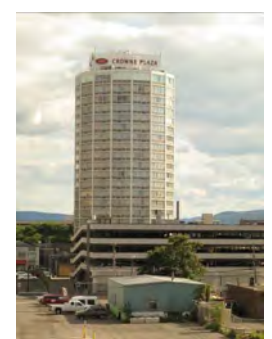
The Long Island Chapter was highly recognized at this year's CRC. Here's a listing of the awards we received:

Membership Promotion Red Ribbon	Lee Feigenbaum
Student Activities Outstanding Student Growth	Rich Halley
Student Activities RVC Top Dog	Rich Halley
CTTC Award of Excellence	Don Kane
Research Promotion Full Circle Chevron	Andy Manos
Research Promotion High Five Chevron	Andy Manos
Research Promotion Challenge and High Five Awards	Andy Manos
Sustainability Presidential Award of Excellence	Rich Rosner
Black Ink Award	Liset Cordero
Outstanding Performance Chapter Programs	Thomas Fields
Chapter Service	Andy Manos, John Nally
Golden Gavel	Rich Rosner
PAOE	
High Honor Roll Special Citation	Rich Rosner



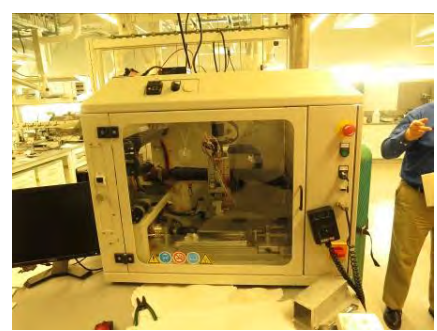
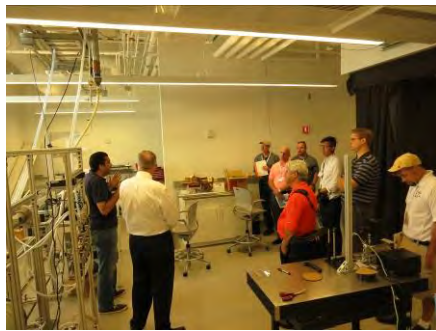
Pictured from left to right: Rich Rosner, Don Kane, Tom Fields, Frank Paradiso, Rich Halley, Andy Manos, Andrew Dubel, Lee Feigenbaum

## CRC 2015 - Syracuse, NY (Cont'd. from page 14)





CRC 2015 - Syracuse, NY (Cont'd. from page 15)





CRC 2015 - Syracuse, NY (Cont'd. from page 16)





## Fall 2015 Online Courses



*CEU/PDH Credits Available!*

# Fall 2015 Online Courses

Learn at  
your computer  
with Instructor-led  
online courses in  
"real-time" from  
ASHRAE Learning  
Institute



### Register Early & **SAVE!**

Register **BEFORE** September 4:  
\$239 (ASHRAE Member: \$179)

Two-part courses: \$439 (ASHRAE Member: \$319)

Register **AFTER** September 4:  
\$259 (ASHRAE Member: \$199)

Two-part courses: \$459 (ASHRAE Member: \$339)

Take 3 or more courses and save 15 % .

### 2 Ways to Register

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.



## Fall 2015 Online Courses

### Commissioning

#### Commissioning for High-Performance Buildings

Mon, October 19, 2015, 1:00 pm to 4:00 pm, EDT

**Instructor:** Walter Grondzik, P.E., Fellow/Life Member ASHRAE, LEED® AP

#### Commissioning Process in New & Existing Buildings

Part 1 - Wed, October 21, 2015, 1:00 pm to 4:00 pm, EDT /

Part 2 - Wed, October 28, 2015, 1:00 pm to 4:00 pm, EDT

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

### Environmental Quality

#### Humidity Control: Applications, Control Levels, and Mold Avoidance IAQ Practices

Wed, September 16, 2015, 1:00 pm to 4:00 pm, EDT

**Instructor:** Lew Harriman, Fellow ASHRAE

### Energy Efficiency

#### Energy Management Best Practices ES Practices

Mon, October 12, 2015, 1:00 pm to 4:00 pm, EDT

**Instructor:** Richard Pearson, P.E., Fellow/Life Member ASHRAE

#### Combined Heat & Power: Creating Efficiency through Design & Operations IAQ Practices

Mon, October 26, 2015, 1:00 pm to 4:00 pm, EDT

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

### HVAC Applications

#### Introduction to BACnet®

Mon, September 14, 2015, 1:00 pm to 4:00 pm, EDT

**Instructor:** David Fisher, Member ASHRAE

#### Designing High-Performance Healthcare HVAC Systems

Mon, September 21, 2015, 1:00 pm to 4:00 pm, EDT

**Instructor:** Daniel Koenigshofer, P.E., Member ASHRAE, HFDP

#### Laboratory Design: The Basics and Beyond

Mon, November 2, 2015, 1:00 pm to 4:00 pm, EST

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

### Standards & Guidelines

#### Fundamental Requirements of Standard 62.1-2013 IAQ Practices

Wed, November 4, 2015, 1:00 pm to 4:00 pm, EST

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

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

Wed, October 14, 2015, 1:00 pm to 4:00 pm, EDT

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

**\$\$\$ 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](mailto:finsec@ashraeli.org) or call 631-574-4870.**



**Engineers Joint Committee of LI Networking Event - September 17, 2015****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 17, 2015**

**Place:** Holiday Inn Plainview - 215 Sunnyside Boulevard, Plainview, NY 11803  
516-349-7400 (Front Desk)

**Program:** 6:00 pm – 7:30 pm      Networking and Dinner  
7:30 pm – 8:30 pm      Seminar (1.0 PDH)  
8:30 pm – 9:30pm      Cash Bar and Networking

**Seminar Description:** Ethics play a role in all of our actions and decisions. This course will help to clarify the critical importance of ethics and how to instill them into the engineering and professional culture. This presentation will explore the different aspects of ethical behavior and provide guidance in making the right “ethical” decisions.

**Speaker:** Mark Koester, President of Koester Associates, Inc.

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

**To register, complete and submit this form and payment by September 14, 2015 to:**  
**Amanda J. Haimes, 172 Sherry St, East Islip, NY 11730.**  
**For questions e-mail: [ajhaimes@gmail.com](mailto:ajhaimes@gmail.com)**

**Fee: \$25 (includes Dinner and Seminar)**  
**Make check payable to: Engineers Joint Committee of LI**

Name \_\_\_\_\_

Name for Badge \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

E-mail Address \_\_\_\_\_

Phone \_\_\_\_\_

**WE NOW ACCEPT CREDIT CARDS. If using a credit card fill out above and below. You may e-mail this registration form to: [ajhaimes@gmail.com](mailto:ajhaimes@gmail.com)**

Credit Card Number \_\_\_\_\_ CCV Code \_\_\_\_\_

Credit Card Type ( MC, Visa, AE, Disc.) \_\_\_\_\_ Expiration Date \_\_\_\_\_

Zip Code Associated With Credit Card \_\_\_\_\_

## Daikin Day Long Island - September 25, 2015



People and ideas you can trust.™

# Daikin Day Long Island



## Friday, September 25th, 2015

Presented by: Daikin Applied New York and Suffolk Community College  
At The SCCC Workforce Development Technology Center

**We're loading up 18-wheelers and hitting the road with industry-leading Daikin Solutions**

### Event Schedule:

8:30 a.m.-7:00 p.m.	Roadshow Open For Touring along with Product Manager Meet & Greet
8:30 a.m.-9:00 a.m.	Controls
9:00 a.m.-10:30 a.m.	Basics of VRV/VRF (2 Hour, or .2 CEU or 2 PDH Credits)
10:00 a.m.-10:30 a.m.	Reflok
10:30 a.m.-11:00 a.m.	User Friendly Software Applications: Daikin City/Daikin VRV Xpress
10:45 a.m.-11:45 a.m.	How Air Filters Play a Role in Indoor Air Quality & Energy Savings (1 Hour or .1 CEU or 1 PDH Credit)
11:45 a.m.-1:15 p.m.	Lunch Buffet Open
12:00 p.m.-1:30 p.m.	Commissioning Considerations for VRF Systems (2 Hour, or .2 CEU or 2 PDH Credits)
12:30 p.m.-1:00 p.m.	Vertical Market Case Study: Suffolk Community College
1:45 p.m.-2:30 p.m.	High Performing Light Commercial Buildings (1 Hour, or .1 CEU or 1 PDH Credit)
2:45 p.m.-3:45 p.m.	Compressors and Heat Exchangers Overview (1 Hour, or .1 CEU or 1 PDH Credit)
3:45 p.m.-4:30 p.m.	Daikin Success Stories: New York Case Studies
4:00 p.m.-7:00 p.m.	Dinner Buffet Open
4:30 p.m.-5:15 p.m.	Energy Analysis of VRV Systems
5:15 p.m.-7:00 p.m.	All Day Road Show Tours & Product Manager Meet & Greet Continues with Dinner

**Audience:** This event is open to Consulting and Specifying Engineers, Mechanical Contractors, Service Technicians, Architects, Owners, and Developers in the Metropolitan and LI area desiring detailed information regarding VRV and applied systems.

**Location:** Suffolk County Community College Workforce Development Technology Center  
1001 Crooked Hill Road Brentwood, NY 11717

RSVP as soon as possible to ensure a seat.

RSVPs must be sent to:

Jessica Ackermann - 201-395-3750 (office) or

[Jessica.Ackermann@DaikinApplied.com](mailto:Jessica.Ackermann@DaikinApplied.com)

Final RSVPs accepted on Wednesday September 23rd, 2015

### \*CEU Credits

Seminars provide IACET Continuing Education Units. Certificates will be issued.

IACET CEU's are accepted by AIA, count towards PDH for NY/NJ, and qualify for LEED CE's (type 2 Non-Approved Presentations not to make up more than 50% of LEED credit requirements).

**ADVERTISEMENTS****PLACE YOUR AD HERE****OR  
HERE****OR  
HERE****OR  
HERE****OR  
HERE**

**AN AD OR BUSINESS CARD LISTING IS A GREAT WAY TO GET YOUR COMPANY'S NAME IN FRONT OF THE HUNDREDS OF LI CHAPTER MEMEBERS, AND TO HELP SUPPORT THE CHAPTER'S ACTIVITIES.**

If you would like to place an advertisement in the Long Island Sounder, please contact our Chapter Financial Secretary, Don Kane, PE @ 631-574-4870 or by email at [finsec@ashraeli.org](mailto:finsec@ashraeli.org) for further details. Thank you.

**Rates (includes all issues September-June):**

Business Card    \$200  
Triple Size        \$350

Half Page    \$500  
Full Page    \$800



## ADVERTISEMENTS

**PLACE YOUR  
AD HERE**

**GBI** **GIL-BAR INDUSTRIES**

MATT ROMANELLI  
E-MAIL: MRDMANELLIGIL-BAR.COM

**NEW YORK OFFICE**  
5 WEST 19TH STREET  
NEW YORK, NY 10011  
TEL: (212) 331-8272  
FAX: (212) 331-8273

**LONG ISLAND OFFICE**  
25 NEWBRIDGE ROAD  
HICKSVILLE, NY 11801  
TEL: (516) 216-4310  
FAX: (516) 869-4042

 **Ultimate Power Inc.**

631-491-1300 x16  
FAX 631-491-8551

INDUSTRIAL BURNERS • BOILERS  
GAS • OIL • BURNER SERVICE • A/C & INSTALLATION  
NATIONAL BOARD CERTIFIED "R" STAMP REPAIR CO.  
DDC CONTROL SYSTEMS  
MECHANICAL CONTRACTORS FOR OVER 36 YEARS

RONALD MILANO  
45 NANCY STREET  
WEST BABYLON, NY 11704-1498  
EMAIL: RMILANO@ULTIMATE-POWER.COM

**Leonard Van Sicklin**  
President

**ANRON**  
Mechanical Services Inc.

• HEATING & AIR CONDITIONING •  
• SHEET METAL • SERVICE •

440 Wyandanch Avenue  
North Babylon, NY 11704  
lv@anronac.com  
www.anronac.com

Phone: 631-643-3433  
Fax: 631-491-6983  
Cell: 631-860-4349

**JAR**

J. A. Robertson, PE  
Mechanical Engineer  
HVAC/Plumbing System Design

P.O. Box 4982  
Richmond, Virginia 23220  
jar4d@alumni.virginia.edu  
Licensed: DC/MD/VA

Frank D. Morgigno - President/CEO fm@atlofny.com

**ATI** Applied Technologies Of NY, Inc.  
Manufacturers Representatives

90 Plant Ave. • Ste. 310 • Hauppauge, NY 11788  
Tel: 631-331-0215 • Fax: 631-928-4625  
www.atlofny.com

**CEC** Kevin Cirincione  
President

**COUNTY ENERGY CONTROLS, INC.**  
County Pneumatic Controls, LLC  
Energy Management Systems

429 Montauk Hwy - POB 780  
East Quogue NY 11942  
www.countyenergycontrol.com

p: (631) 653-9124  
f: (631) 653-9177  
e: kevin@countyenergycontrol.com

## BERNE & BOB LEVENTHAL, INC.

Manufacturer's Rep. for Governair Corp.

NEW YORK CITY, LONG ISLAND, & WESTCHESTER

GOVERNIAIR CORP.

Roof Top Penthouses to 400,000 CFM

Custom DX Systems to 500 Tons

(Air - Water - Evap Cooled)

Complete engineered systems designed and built for specific  
job requirements and complying with the latest NYC Sound code.  
Replacements for existing Governair units.

**BOB LEVENTHAL**

TEL (516) 826-5270

FAX (516) 826-5221

**BLEVENTHALHVAC@OPTIMUM.NET**

**TWO TERRY LANE, WANTAGH, NEW YORK 11793**

**Right People. Right Results.™**

 **CUSTOM  
COMPUTER  
SPECIALISTS, INC.**

Michael J. Lazzarillo  
Senior Manager

**Data Center Assessment and Design**

Direct: (631) 650-1203  
Cell: (631) 791-5490  
mjlazzarillo@customonline.com  
www.customonline.com

70 Suffolk Court, Hauppauge, NY 11788

**SIEMENS** Industry

Siemens Industry, Inc.  
Building Technologies Division

50 Orville Drive  
Bohemia, NY 11716  
USA

Tel: +1 631 218-1000 Ext. 214  
Fax: +1 631 218-1009  
Mobile: +1 516 924-2913  
vincent.catalano@siemens.com  
us.siemens.com/buildingtechnologies

**Vincent Catalano, C.E.M.**  
Account Manager

TEL (631) 218-8022  
FAX (631) 218-8023

**BCC** **BEST  
CLIMATE CONTROL CORP.**  
75 ORVILLE DRIVE  
BOHEMIA, NY 11716

AIR CONDITIONING  
SYSTEMS

MICHAEL O'DOURKE

Established 1959

 **County Fair Air Conditioning Corporation**

233 GRAND BLVD - WESTBURY, NY 11590-3598  
(516) 997-6666 • (718) 347-7808 • FAX (516) 997-5741  
choigerson@countyfair.com • mnathan@countyfair.com

**CARL HOLGERSON** **RONALD J. NATHAN**  
Owner Owner

MECHANICAL CONTRACTORS • SALES • SERVICE • ENGINEERING

*ADVERTISEMENTS***Retrofit energy savings into your next building upgrade.****Start with retrofit offers from National Grid.**

If retrofitting existing commercial, institutional, and industrial facilities is an important part of your services, you know that incorporating energy efficiency measures into planned upgrades can add value to your clients' buildings and your business. We're here to help with money-saving financial incentives for lighting, HVAC/R, electric motors, retro-commissioning, and energy management system projects.

Learn more about how our retrofit offers can add value to your next upgrade project.

Call 844-280-4325 or visit [myngrid.com/retrofit](https://myngrid.com/retrofit) today.

**nationalgrid**

HERE WITH YOU. HERE FOR YOU.



## ADVERTISEMENTS

EFFICIENCY IS EVERYTHING.



**VRV III**  
THE INTELLIGENT AIR CONDITIONING SYSTEM



Daikin AC is pleased to announce the **VRV III PB** series.

This new iteration of VRV III is available in sizes ranging from 6 to 30 tons and is rated in accordance with AHRI standard 1230-2010. VRV III PB has been designed and optimized to meet or exceed the latest minimum efficiency requirements in 10 C.F.R. Part 431 as determined by the U.S. Department of Energy (DOE) and efficiencies as defined by ASHRAE 90.1-2010. With this new efficiency data, Daikin positions its VRV system as one of the most efficient heating and air conditioning systems available in the North American market as well as the efficiency leader in the VRF market.

Contact our local Daikin AC sales engineers in New York City:

- Ray Schmitt: 631-335-7116 - ray.schmitt@daikinac.com
- Steve Handelman: 917-968-9332 - steve.handelman@daikinac.com



Try a Better Perspective, try Daikin AC.

866-4DAIKIN  
www.daikinac.com

**DAIKIN AC**  
absolute comfort



**PLACE YOUR  
AD HERE**

**chimney  
DESIGN  
solutions®**

134 W. 29TH ST., 11TH FL., NY, NY 10001  
800-685-7077 FAX: 212-685-4777  
chimney design solutions.com

### Advertising Rates:

**Business Card \$200**

**Triple Size \$350**

**Half Page \$500**

**Full Page \$800**



Visit the **Wales-Darby Energy Learning Center** at  
2910 Express Drive South  
Islandia, New York 11749  
631.585.6800 Comm'l FAX: 631.471.4950  
e-mail us at [info@walesdarby.com](mailto:info@walesdarby.com)  
visit our website at [www.walesdarby.com](http://www.walesdarby.com)