March 2012

THE LONG ISLAND SOUNDER

ASHRAE Long Island Chapter, Region 1...*Founded in 1957* www.ashraeli.org

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

Inside this issue:

President's Message

I would like to start this month by giving my thanks to the USGBC-LI Panelists who presented last month. Rudy Holesek, Paul Meyer, Neil Rosen and Eric Schlameuss worked along with Brian Simkins to make sure the topic of Proposed *Changes to LEED BD+C for 2012* would be helpful to all that attended. All four presenters did a great job and really made the discussion interesting. Every year we try at the local level to have joint meetings with other groups, and when things go as well as they did last month, I know that joint involvement is a great way to go!

This month our presenter will be Larry Uebele, and his presentation will be all about controls in the present and future. He will focus on open protocol vs. proprietary protocol and the pros and cons of each. I have been told that this is a meeting you will not want to miss! As technology changes and develops it is just these types of classes we need to make sure we are all still at the top of the curve and making the best decisions we can on projects.

March will host the last of our 3 session series for the year on Back to Basics, presented by Evans Lizardos. Since this is a PDH approved class, this month you can earn 2 PDH credits by attending both presentations. This month is also YEA night, where we encourage any YEA members (under 35 years of age) to come out and join the meeting. The more involved we are at a younger age, the more likely we are to stay involved throughout the years to come. The key to ASHRAE is participation.

CHAPTER MONTHLY MEETING

DATE:	**Tuesday, March 13, 2012**
TIME:	6:00 PM - Cocktails/Dinner 6:30 PM - Back to Basics #3 6:45 PM - Dinner Presentation 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

With spring right around the corner I would like to remind everyone that May 7th is our annual Golf Outing at Cherry Valley Country Club. Everyone who attends this always has a great day, but it books up fast, so please get your tickets right away. There will be a brunch, followed by shotgun start of golf, and then of course drinks and dinner with some door prizes up for grabs. As always the key to our continued success is sponsorship, so anyone looking to do some advertising please fill out the form in this newsletter and mail it in, or contact Peter Gerazounis directly at peter.gerazounis@mgepc.net with your information.

We will be having our annual field trip as our April monthly meeting, and it looks like this year we will have it pretty close by. Our plan is to take a tour of the newly opened NSLIJ Women's Hospital, which is a Leed building. We will hopefully get to see one of the floors in use, but it is an active facility and we are working on the final details. Either way we will be given a tour of the inner workings of the Building and see some of the technology that helped them gain the Leed Accreditation they were looking for.

I am looking forward to seeing you all On March 13th, exactly 1 week before Spring Begins!! Remember to encourage a Young Engineer to come down to a meeting and get involved.

Carolyn Arote, President - Long Island Chapter

Long Island Chapter Officers & Committees

ASHRAE 2011/2012 OFFICERS

POSITION	NAME	PHONE	FAX	EMAIL
President	**Carolyn Arote**	516.568.6550	516.568.6575	carote@adehvac.com
President-Elect	**Brian Simkins, LEED AP**	203.261.8100	203.261.1981	bsimkins@accuspecinc.com
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Treasurer	**Thomas Fields, P.E., LEED AP**	212.643.9055	212.643.0503	thomas.fields@mgepc.net
Secretary	**Charles Lesniak, P.E**	516.484.1020	516.484.0926	charles.lesniak@leapc.com
Board of Governors	**Don Kane, P.E.**	631.737.9170	631.737.9171	dkane@csfllc.com
Board of Governors	**Andrew B. Dubel, P.E.**	212.967.7651	212.967.7654	andrew.dubel@leapc.com
Board of Governors	**Nancy Román**	516.568.6509	516.568.6586	nroman@adehvac.com

ASHRAE 2011/2012 COMMITTEES

COMMITTEE	NAME	PHONE	FAX	EMAIL
Programs & Special Events	**Brian Simkins, LEED AP**	203.261.8100	203.261.1981	bsimkins@accuspecinc.com
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Chapter Technology Transfer (CTTC)	**Don Kane, P.E.**	631.737.9170	631.737.9171	dkane@csfllc.com
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Research Promotion	**Andrew Manos, LEED AP**	631.632.2791	631.632.1473	andym22@optonline.net
Historian	**Richard Rosner, P.E.**	631.737.9170	631.737.9171	rrosner@csfllc.com
Student Activities	**Andrew B. Dubel, P.E.**	212.967.7651	212.967.7654	andrew.dubel@leapc.com
Young Engineers in Training	**Charles Lesniak, P.E.**	516.484.1020	516.484.0926	charles.lesniak@leapc.com
Webmaster	**Thomas Fields, P.E., LEED AP**	212.643.9055	212.643.0503	thomas.fields@mgepc.net
Nominating	**Michael Gerazounis, P.E., LEED AP**	212.643.9055	212.643.0503	michael.gerazounis@mgepc.net
Reception & Attendance	**Rich Halley**	718.269.3809	718.269.3725	rchalley@trane.com
PR & Engineering Joint Council of LI	**Peter Gerazounis, P.E., LEED AP**	212.643.9055	212.643.0503	peter.gerazounis@mgepc.net
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	peter.gerazounis@mgepc.net sfriedman@akfgroup.com

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Young Engineers in ASHRAE (YEA)

YEA will be holding their next Leadership Weekend this month over in San Diego, CA from March 30th to April 1st. If you signed up I'll see you there. Our next newsletter will have a good write up about it. As soon as ASHRAE posts information for their fall leadership weekend I will be sure to forward along the information.

This month is our final session in our Back to Basics series. The topic will be "Damper Authority and its Design Applications" and it will be presented by Mr. Evans Lizardos of Lizardos Engineering. Evans will review how to achieve proportional modulation control for damper systems. An example of this is sizing the proper return, outside air, and spill dampers up stream of an air handling unit based on pressure drops. We will be looking for presenters for next year, please contact me if you would like to host a Back to Basics seminar along with your topic.

Since this is student activities month we will be handing out used copies of ASHRAE Handbooks. Please encourage students to take advantage of this opportunity to meet the group and get a free book at the same time.

Charlie Lesniak
YEA Chairman

Long Island Chapter - Past Presidents

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

PAOE POINTS FOR 2011/2012

Chapter Members	Membership Promotion	Student Activities	Research Promotion	History	Chapter Operations	CTTC	Chapter PAOE Totals
299	0	515	815	250	845	800	3,225

Chapter Monthly Meeting - Program for 2011/2012

September 13, 2011 * At Westbury Manor
Dinner Presentation – Cooling Tower Water Treatment Through Non Chemical Technologies
Presenter Leon Shapiro
****1 PDH****

October 11, 2010 * *At Westbury Manor*
Dinner Presentation – Application of Mixed or Hybrid Boiler Systems for Energy Efficiency
Presenter Tom Neill
****1 PDH****
Resource Promotion Night

Back to Basic Session I *****1 PDH*****

November 15, 2011 * *At Westbury Manor*
Dinner Presentation – NEW 2012 editions of the ICC Family of Codes and the impacts these have on future building design/build/maintenance market.
Presenter: Eli Howard
****1 PDH****
JOINT MEETING WITH SMACNA

Student Activities Night, Membership Promotion, & YEA Night
** Meeting will be held on 3rd Tuesday of the month.*

December 13, 2011
Holiday Party - Westbury Manor

January 10, 2012 * *At Westbury Manor*
Dinner Presentation – Primary/Secondary Vs VPF
Presenter: Roy S. Hubbard, Jr.
****1 PDH****
Back to Basic Session II *****1 PDH*****

January 2012
ASHRAE Winter Meeting
Jan 21-25
Convention Center, Chicago

February 21, 2012 * *At Westbury Manor*
Dinner Presentation- This month's presentation will discuss the proposed changes to LEED BD+C for 2012 as it relates to the design engineer. There have been some significant changes out for public comment which will affect designers. A panel of LEED experts will discuss the most relevant changes.
Moderator: Rudy Holesek
Panelists: Paul M. Meyer, Eric Schlameuss, Eileen Sullivan and Neil Rosen

** *Meeting will be held on 3rd Tuesday of the month.*

JOINT MEETING WITH USGBC ****1 AIA****

Resource Promotion Night
Membership Promotion Night

February 2012
NATIONAL ENGINEERS WEEK
Feb 19 through Feb 25

March 13, 2011 * *At Westbury Manor*
Dinner Presentation--"**Integration & Standard Protocols Update"**
Presenter: Lawrence Uebele, PE, LEED AP
****1 PDH****
YEA Night

Back to Basic Session III *****1 PDH*****

April 10, 2012
ANNUAL FIELD TRIP

North Shore University Hospital
LEED Platinum Katz Women's Hospital
300 Community Drive
Manhasset, NY
Presenter: Neil Rosen AIA, LEED AP

Dinner to follow

May 7th, 2012 * *Cherry Valley Club, Garden City, NY*
ANNUAL GOLF OUTING

May 15th, 2012 * *At Westbury Manor*
Dinner Presentation- Refrigeration The Now & Future
Presenter: Steven Friedman, PE

Student Activities Night
Refrigeration Night
** Meeting will be held on 3rd Tuesday of the month.*

June 12, 2011 * *At Westbury Manor*

PAST PRESIDENTS & OFFICER INSTALLATION

August 2012 - Chapter Regional Conference Region I
NY August 17-19

March Program

Dinner Presentation

"Integration and Standard Protocols Update"

Presented by:

Larry Uebele, PE, LEED AP
Siemens Building Technologies

Attendees Will Earn 1 PDH!

DATE:	**TUESDAY, MARCH 13, 2012**		
Time:	6:00 PM - Cocktails and Hors D'ouevres 6:30 PM - Back to Basics, Part III 6:45 PM - Dinner Presentation 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 topics: • Protocol within Building Subsystems • Protocol inner workings • Proprietary Protocol pros and cons • OPC pros and cons • Modbus pros and cons • LonTalk pros and cons • BACnet protocol facts • Open Protocol pros and cons **Participants will receive 1 PDH credit.** **In addition Evans Lizardos, PE, LEED AP will be presenting Part III of the 'Back to Basics" series and all attendees will receive an additional 1 PDH.**		
About our Speaker:	Larry graduated from Temple University in 1978 with a BA in Biology and subsequently received a degree in Electrical Engineering. In July 1980, Larry started working for Honeywell. During 18 years with Honeywell he held various positions, Application Engineer, Project Manager, Regional Systems Engineer, Account Executive and a national position handling DuPont worldwide and specifying engineers in the greater Philadelphia area. In 1998, Larry left Honeywell and joined Siemens Building Technologies as an Account Manager handling Merck worldwide. In 2003, Larry became the Siemens Mid-Atlantic District BAU Solutions Sales Manager and subsequently in 2008 his role shifted to Sales Management but specifically focused on Business Development and working with the Consulting Engineer community. In May of 2010, Larry became the Metro BAU Solutions, Area Sales Manager. Larry is a Professional Engineer in Pennsylvania and a LEED Accredited Professional.		

Research Promotion

I would like to thank all the companies who have participated in the annual 2012 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 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.

This year's overall resource promotion goal is $2,001,900 with over 75 research projects on board. Our chapter is expected to raise approximately $13,881 towards the overall goal of which we have already raised $9,922. I am hoping I can count on the continued support of all of our past contributors who have generously supported us over the years.

I also look forward to gaining the support of new contributors this coming year. Please help support ASHRAE in any way you can.

I would like say 'thank you' to all the contributors listed below whom have already donated to ASHRAE this year:

INDIVIDUALS

Ms Carolyn Arote
Mr Andrew B Dubel
Mr Thomas Fields, PE, LEED AP
Mr Steven D Friedman, PE,HFDP,LEED AP
Mr. Don Kane, PE
Mr David Robert Jendras
Mr Donald Kane, PE
Mr Ronald J Kilcarr, PE
Mr Charles J. Lesniak, PE
Mr Andrew E Manos, LEED AP
Mr. John D Nally
Mr. Jerome T Norris
Mr Michael O'Rourke
Mr Richard Pearson, PE, LEED AP
Ms Nancy Roman
Mr Richard L Rosner, PE
Mr Anthony J Rosasco, Sr
Mr Raymond Schmitt
Mr Brian C Simkins, LEED AP
Mr James R Tauby, PE

COMPANIES

8760 Inc.
Accuspec Inc.
A D E Systems Inc
Albert Weiss Air Conditioning Products
ASHRAE Charleston Chapter
Berne & Bob Leventhal Inc
Building Cooling Systems
Captive Aire
Catan Equipment Sales
Daikin US Corp.
Environmental Air Quality
Gil-bar Industries
J-Mar Controls
KLIMA NY
Liebert-Emerson Network Power
LPI Controls Inc
Mason East Inc.
Metro Air Products
MV Controls Inc
PEPCO
Platsky Company
PVI Industries
Rathe Associates
Siemens Building Technologies Inc
SRS Enterprises
Technical Air Systems
Venco Sales Inc.
Wales Darby

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Research Promotion (Cont'd. from Page 7)

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
Campus Planning, Design and Construction
Research and Support Services, Suite 160
Development Drive, Stony Brook, NY 11794-6010

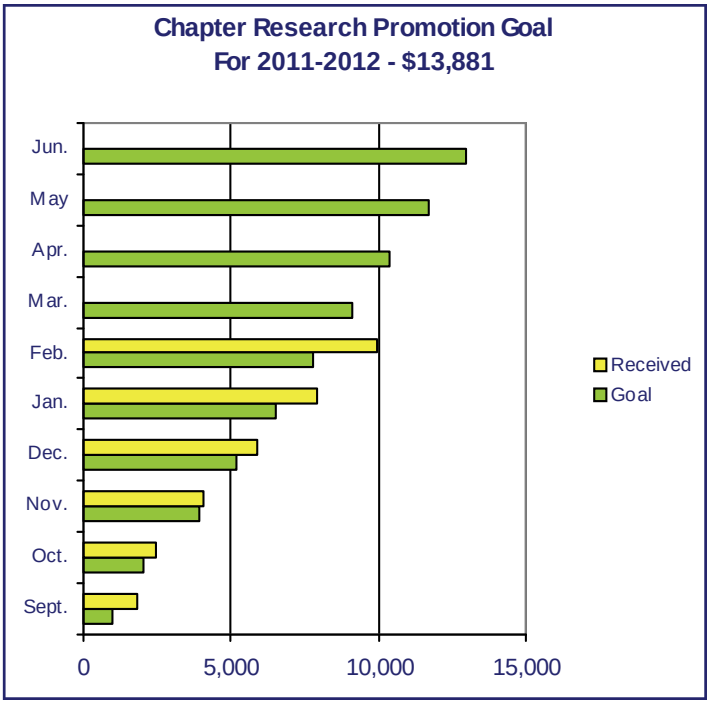
2) You can bring your check to any of the meetings and give it to me. I will mail it into headquarters.

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 your accredit your contribution to the LONG ISLAND CHAPTER 006 ****

Thank you again for all your support!

Andrew Manos, LEED AP
Research Promotion Chair



CTTC - Maintaining Control

“Smart Buildings”. Certainly a noble pursuit, who among us wants to design, build, reside or work in buildings of questionable intelligence? But how smart is smart? We certainly don’t want to lose the ability to manually control systems when necessary (“*HAL…..please lower the temperature”)*, but manual intervention should not be so easy as to encourage defeating the controls, when minor perturbations in state-of-the-art control of our mechanical systems result in a less than perfect environment. Instead, one must investigate the causes of these blips on the radar of comfort and fine-tune the system so it performs as intended. Even when efforts have been made to select all of the right systems and subsystems how can we still have a building which seems to have a mind all its own? As Joan Rivers used to say..."Let's Talk!"...or better still, let's get all of our equipment talking. Communication is the key to interoperability. One would think these days, where every appliance, tool or piece of mechanical equipment seems to have its own "brain" and all of our personal computers, tablets and phones are reaching new heights in plug-and-play functionality that getting a building's mechanical systems communicating with each other would be straightforward. It is. Once you decide what systems need to communicate, what functionality is needed and what protocol will be used....assuming that all of the system components have been selected based on support of a common control protocol and networking medium.

Much as the type of roads you travel will, to a large degree, define the available options when choosing a vehicle, the communications protocol used for system control will determine the ease or difficulty of integrating all of the system components and function. This choice is, however, made difficult because the choice of communication protocol is also a function of what functionality and diversity in equipment is anticipated to be required. While some lose sleep over this" chicken or the egg" conundrum, the selection of a communication protocol while daunting, is not Sisyphean task.

To begin with, we have to understand what it is that the control system will be expected to do, both functionally and interfacing different systems. Some of the choices to be faced are; "open" versus proprietary, deterministic versus non-deterministic, routers versus gateways and the need for third party certification.

Of course we all want the "best" system. But what is the best for one application is not the best for another. If flexibility is needed for future expansion, the best system will be of no use if it is no longer supported or if insufficient ancillary devices are available. Back in the days of analog video-tape, Beta was acknowledged to be the best technical solution....yet VHS persisted due to a larger installed base. Let's tackle a few of these questions, to see where it leads us.

Open *vs* Proprietary - Proprietary systems have sometimes suffered from the stigma that they are conjured up primarily to guarantee a vendor a captive customer base. The primary reason for offering a proprietary system is to ensure that the vendor can control how it is being applied, to avoid "glitches" when it is installed and put into operation (the captive customer thing is only a secondary reason). It enforces a predictable environment for the system software/hardware combination to function. If a change has to be made in the future to software or hardware, the vendor can test the results prior to implementing it, with a high degree of confidence that installed systems won't "burp" when upgraded.

There is the concern that one could be left high and dry if the vendor decides to abandon a market, or falls victim to economics and ceases to exist. This is a real concern, but no different than having someone (in-house or an outside contractor) develop a customized solution using an "open" system. In either case one must evaluate the supplier or integrator carefully, perhaps arranging for a "software escrow" arrangement, where access to the underlying code will be assured, even if the vendor/contractor cease to be a viable entity. This is primarily a commercial issue, better suited to another venue for review.

What one must do when contemplating "open" *vs* proprietary is to determine what it is that you require; will you be controlling a stand-alone building system or a campus type environment? Will the mechanical systems be communicating with other systems (such as lighting or energy conservation systems)? Will the a Building Management System be controlling many systems including the mechanical systems or will the mechanical system controls be the prime control engine?

The larger the area of control (campus-wide, control access via the Web or interoperability with a multitude of building systems such as security and life-safety) the more likely you will find yourself driven to an "open" approach, comprising interoperable systems and subsystems, integrated together. This integration is not, generally, a trivial task, requiring expertise in the operational aspects of the systems to be controlled as well as the capabilities and limitations of the technology available. A "team" approach is usually called for to keep this approach on-track.

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CTTC (Cont'd. from Page 9)

It is important to keep in mind that the use of an open or standard protocol does not always mean that you can add "building blocks" in a plug-and-play fashion. What you may find is that, while the various components will interoperate, not all of the functionality of each component will be available. Most standard protocols require specific functions to be available, but allow for additional functions to be added. These additional functions may not be recognized by equipment from a different supplier. Most of us are familiar with the federally mandated OBD II diagnostic system in use in our automobiles. There are a fixed set of parameters which must be accessible in a specific format (used, for instance, to permit the annual emission inspection to be performed by plugging into the connector which has been standardized on all vehicles). However, each of the automakers adds additional functionality to this "open" system which is only available by using instrumentation setup to read the proprietary data. In a similar manner, the BACnet standard permits proprietary objects and properties to be allowed, on a non-interfering basis.

Deterministic *vs* Non-Deterministic -Highly deterministic systems are generally used when it is essential that a system recognize that the data it *thinks* it is receiving is the data that it *should* be receiving. A specific variable will appear in a specified format, at a specified time in a data string. If the data is corrupted in any way when received, it will not generally be recognized as a valid value and be rejected. The system will have to try again during the next data stream "cycle". If this happens several times, it can significantly degrade the response time for that function. A non-deterministic system cannot guarantee a specific response time, but, if a data string is corrupted due to noise, it will try again without having to wait for a complete cycle of every other data point. Even so, some non-deterministic approaches do assign priorities to selected variables, which will help those so identified, but, perhaps, impede the recognition of other data until the higher priority data is successfully passed. This can be a good thing and used to advantage to improve system response for critical functions.

Routers *vs* Gateways - If your communication network and interoperable systems and components employ the identical protocol, routers may be used to direct network traffic to the desired location. If, however, mixed protocols are in place, a gateway will be needed to "translate" from one protocol to the other, prior to passing the traffic along. This would be akin to sending an email written in English to someone in France. The email will find its way to the intended recipient but unless he or she can understand English, a translator (gateway) will be needed to allow communication (not just data passing) from one to the other.

Third Party Certification - Whenever an open protocol is employed, you no longer have a single vendor to resolve compatibility and inter-operational issues. Thus the need for third party testing and certification (similar to OSHA's requirements for electrical equipment to be listed by a Nationally Recognized Testing Laboratory or NRTL, like Underwriters Laboratories or Electrical Testing Laboratories). BACnet Testing Laboratories (BTL) performs this function for BACnet related equipment and the LonMark International does so for LonWorks/LonTalk items. While having this third party certification a good and necessary starting point, read carefully the actual certifications to understand what level of compatibility is possible.
We have merely touched the surface of this topic but it is hoped that after reading this, when you watch Cool Hand Luke and hear those words....."What we have here is a failure to communicate..." you will be comfortable knowing that it will not apply to any of the systems you design, build or install.

Don Kane, P.E.
CTTC

Student Activities

Students:

Our deadline for receiving scholarship applications is rapidly approaching. If you are eligible make sure you have your applications in by the email on Monday April 9th. We will be awarding two $1000 scholarships to engineering students! To apply simply fill out our application sheet and write a one to two page essay on your current interest, activities, and future goals in engineering. The application can be found at the back of this newsletter or online at ashraeli.org. Scholarships will be awarded during our May 15 students night. We encourage all engineering students to apply.

Society scholarship are available for students who are currently enrolled or soon to be enrolled in an engineering undergraduate degree. There are 13 undergraduate scholarships available ranging from 10,000 to 3,000 dollars! Find more information at http://www.ashrae.org/scholorships .

The next student activates night will be on May 15th. We encourage students to attend this meeting. We look forward to seeing you.

Andrew B. Dubel, P.E.
Student Activities Committee Chair

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. Rich Rosner will be collecting them.

Membership

Last month was membership promotion night and it went very well. Remember this month is student activities month, and there will be used ASHRAE handbooks handed out for students/YEA.

ASHRAE is looking to retain more student members through their smart start program. Student members should look into this program. As you know we are hoping to get some more YEA members, which are members under the age of 35. Please help us get some new young members, as they are the future of our society.

I would like to say hello and thank you to all our new members this month.

Charlie Lesniak
Membership Chairman

ASHRAE Student Scholarship Application

American Society of Heating, Refrigerating & Air Conditioning Engineers
Long Island Chapter, Region 001

ANNUAL STUDENT SCHOLARSHIP

The Long Island Chapter awards up to two (2) $ 1,000.00 or (1) $1,000.00 and (2) $500.00 scholarships annually to those who are well rounded and show an interest in pursuing an engineering career. Eligible entries for the 2010/2011 year must be submitted by April 9, 2012.

Application date: _____

Personal information:
Last Name First Middle

Home address City State Zip

School address City State Zip

Phone # E-mail addresses -Home: _____

Cell # -School:

Faculty Reference:
Name Address Phone #

1. _____

Personal Reference:
Name Address Phone #

1. _____

2. _____

Education:
High School Location Years attended Graduation date

College / University Location Years attended Date graduating

College major GPA

ASHRAE Student Scholarship Application

American Society of Heating, Refrigerating & Air - Conditioning Engineers, Inc. Long Island Chapter, Region 001

ANNUAL STUDENT SCHOLARSHIP

The Long Island Chapter awards up to two (2) $ 1,000.00 or (1) $1,000.00 and (2) $500.00 scholarships annually to those who are well rounded and show an interest in pursuing an engineering career. Eligible entries for the 2011/2012 year must be submitted by April 9, 2012. An awards dinner will be held on May 15, 2012.

Essay: Please describe your interests, activities, goals in engineering. Attach one to two double spaced typed pages. Return this application and essay in PDF form to Andrew.Dubel@leapc.com.

I also agree that my misstatement or omission of any information requested in this application shall be valid reason for rejection of this application. In the event I am selected to receive the application, I agree to attend the local chapter award dinner. The dinner will be free of cost to the award recipient.

No question on this application is asked for the purpose of limiting or excluding any applicant's consideration for reasons proscribed by federal, state or local law, and discussions are based entirely on knowledge, skills and ability. Qualified applicants are considered without regard to race, color, religion, sex, national origin, disability or age to the extent prohibited by law.

Applicant signed _____

Faculty advisor signed _____

Free ASHRAE Webcast - Dedicated Outdoor Air Systems - April 19, 2012

April 19, 2012 1:00 PM–4:00 PM EDT

Dedicated Outdoor Air Systems:

A Path to Balancing Energy and IEQ

FREE ASHRAE Webcast

Hear leading experts discuss the role of Dedicated Outdoor Air Systems in the overall HVAC system and describe various DOAS equipment configurations, characteristics, and applications. This webcast will identify common design and operational pitfalls, and cover challenges unique to DOAS.

Presenters

Ron Jarnigan, 2011–12 ASHRAE President
Staff scientist | Pacific Northwest National Laboratory | Richland, WA

Tim McGinn, P.E., LEED AP
Principal | Dialog | Calgary, AB, Canada

Stan Mumma, Ph.D., P.E.
Professor Emeritus | Pennsylvania State University | University Park, PA

John Murphy, LEED AP
Applications Engineer | Trane | La Crosse, WI

How to Participate
- You may register to view the Webcast on your PC
- You may host a webcast viewing site for your colleagues
- View the webcast at a site

PDH Credits
Three (3) Professional Development Hours (PHDs)or three (3) AIA Learning Units may be awarded to viewers who complete the "Participant Reaction Form" by May 3, 2012.

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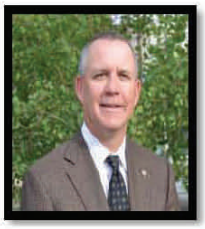
Brought to you by the ASHRAE Chapter Technology Transfer Committee

For more information about the program, presenters, continuing education credits, sponsorships, and DOAS resources please visit us at **www.ashrae.org/doaswebcast**

Free ASHRAE Webcast - Dedicated Outdoor Air Systems - April 19, 2012

ASHRAE Webcast Highlights Dedicated Outdoor Air Systems



Tim McGinn, P.E., LEED AP
DIALOG
Calgary, AB, Canada

Dr. Stanley Mumma, LEED AP
Pennsylvania State University
University Park, Pennsylvania

John Murphy, LEED AP
Trane Company
LaCrosse, Wisconsin

While conventional HVAC systems mix fresh outdoor air with the return air in one unit, Dedicated Outdoor Air Systems use standard equipment to condition fresh air separately before it enters the building. This departure from the standard configuration is quickly becoming a proven tool for utilizing energy more efficiently, and can provide a cost saving to the consumer. The major benefit of Dedicated Outdoor Air Systems is that they can allow better and more precise humidity and ventilation control as compared to conventional HVAC systems.

ASHRAE's upcoming webcast **"Dedicated Outdoor Air Systems– Balancing Energy and IEQ"** will focus on this method to save energy and money at the same time. The webcast takes place on **April 19, 2012, from 1:00 – 4:00 p.m. EDT**. This **free** webcast is brought to you by the Chapter Technology Transfer Committee and sponsored by **Valent Air Management Systems, Rotor Source, Inc., Engineered Air, and Heat Pipe Technology**.

"Based on growing popularity the chosen topic for the 2012 webcast is Dedicated Outdoor Air Systems," Andy Cochrane, Chair of the CTTC Webcast Ad Hoc Committee, said. "This webcast will describe the role of DOAS in the overall HVAC system, and discuss various DOAS equipment configurations and applications. From understanding DOAS system characteristics, to avoiding pitfalls and challenges unique to DOAS applications, the webcast is a must see for discerning owners and designers alike."

The webcast presenters are:

Tim McGinn, P.E., LEED AP, Principal, DIALOG, Calgary, Alberta, Canada

Stanley Mumma, Ph.D., P.E., Professor Emeritus of Architectural Engineering, Pennsylvania State University, University Park, Pennsylvania

John Murphy, LEED AP, Applications Engineer, Trane, LaCrosse, Wisconsin

Online registration for the webcast begins **March 19, 2012**. For more information on the webcast program, continuing education credits, and ASHRAE Dedicated Outdoor Air Systems resources, visit **www.ashrae.org/doaswebcast**. If you have questions about the webcast, call 678-539-1200 or email *ashrae-webcast@ashrae.org*.

ASHRAE Golf Outing - Monday, May 7, 2012

13th Annual LI ASHRAE GOLF OUTING
Monday – May 7th, 2012

ASHRAE Long Island Chapter

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

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

(2) Foursome Limit Per Company.

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

CHECKS MUST BE IN BY APRIL 13, 2012 (No Exceptions)

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

Name: _____ Company: _____

Address: _____ Phone: _____

City, State, Zip: _____ Email: _____

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

Guest 1: _____ Company: _____

Guest 2: _____ Company: _____

Guest 3: _____ Company: _____

Please make check payable to:

ASHRAE – Long Island Chapter

Mail Checks To:
MG Engineering, P.C.
Attn: Peter Gerazounis, P.E. LEED AP
116 West 32nd Street
New York, NY 10001
Tel No.: (212) 643-9055
Fax No.: (212) 643-0503
Email: peter.gerazounis@mgepc.net

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

Golf & Meals:	$ 300 pp x ____	= $_____
Reception & Dinner:	$ 130 pp x ____	= $_____
Sponsor Dinner:	$1,000 ☐ Yes	= $_____
Sponsor Lunch:	$ 500 ☐ Yes	= $_____
Sponsor Cocktail Hour:	$ 500 ☐ Yes	= $_____
Sponsor Reception:	$ 500 ☐ Yes	= $_____
Sponsor Prizes:	$ 500 ☐ Yes	= $_____
Sponsor Beverage Cart:	$ 500 ☐ Yes	= $_____
Sponsor Hole:	$ 200 ☐ Yes	= $_____
	Total	= $_____

ASHRAE Golf Outing - Monday, May 7, 2012

ASHRAE Long Island Chapter

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

Program:

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

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

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

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

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

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

Directions:

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

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

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

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

ASHRAE Golf Outing - Monday, May 7, 2012

Cherry Valley Club
Golf Outing Guidelines

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

Club Rules

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

Dress Code

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

Golf Etiquette and Safety

1. Slow play shows lack of consideration for the players in your group and, more important, for the players behind you. Golf is made much more enjoyable if all players adhere to the following points in the conduct of play:

    - Minimize the time spent looking for balls by watching the flight of balls hit by everyone in your group. If a ball appears to be lost or out of bounds, hit a provisional ball before leaving the tee.
    - Signal the players behind you to play through if it becomes apparent that a ball will not easily be found and you are holding up play.
    - Don't rush addressing and striking the ball but move briskly between shots.
    - If your ball is some distance from the golf cart and the exact club selection is in doubt, take several clubs with you when you leave the cart to walk to the ball.
    - When play reaches the area of the green, park the golf cart(s) behind the green or adjacent to the next tee. Walk briskly off the rear or side of the green after putting out. Mark your score cards after your group is off the green.
    - Once a score of double par has been posted, pick up and move on to the next hole.

2. No player should play until the players in front are out of range.
3. If your ball appears headed for a player or group of players immediately shout "fore" in a loud clear voice.
4. No one should move, talk or stand close to or directly behind the ball or the hole when a player is addressing the ball or making a stroke.

ASHRAE Golf Outing - Monday, May 7, 2012

Cherry Valley Club
Golf Outing Guidelines (Cont'd.)

Golf Carts

1. No more than two people are to be in a cart at one time.
2. No more than 2 bags are to be carried on one golf cart.
3. Members and their guest must observe all cart directional signs and use cart paths and designated golf cart parking areas where provided.
4. Good judgment, reasonable care, and observation of club rules are expected of any member or guest when operating a golf cart. Damaged golf carts will be repaired at the responsible member's expense. Each member or guest who rents a golf cart agrees to indemnify and hold Cherry Valley Club harmless of and free from any and all damages, judgment, court costs, attorney's fees or other expenses incidental to and incurred by Cherry Valley Club which may arise from misuse of a golf cart by such member or guest.
5. Members and their Guests must keep golf carts at least 10 yards away from greens trees or traps. They should keep a reasonable distance away from soft or wet areas and they must respect directional signs.

Care of the Course

1. Before leaving a sand trap, a golfer should carefully rake and smooth over all holes and footprints made by him.
2. From tree to green, a player should ensure that any turf cut or divot displayed by him is replaced at once and pressed down, and that any damage to the putting green made by a ball is carefully repaired.
3. Golf bags should never be brought onto a green. The flagstick should be carefully handled to ensure that no damage is done to the hole or the putting green. Don't dent the green with the flagstick or by leaning on your putter.
4. In taking practice swings, players should avoid causing damage to the course by taking divots. This is particularly true on the tees and in the vicinity of the greens.
5. Only putters are to be used on the practice greens. A separate practice green adjacent the driving range is available for chipping and sand trap practice.

ADVERTISEMENTS

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If you would like to place an advertisement in The Long Island Sounder please contact our Chapter Treasurer, Mr. Tom Fields @ 212.643.9055 or via email thomas.fields@mgepc.net for further details. Thank you.

New Advertising Rates:

Business Card	***$200***
Triple Size	***$350***
Half Page	***$500***
Full Page	***$800***