

THE LONG ISLAND SOUNDER

May 2005



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

www.ashraeli.org

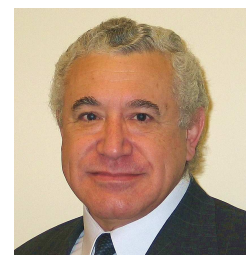
American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc.

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President's Message

APRIL MEETING - Last month's meeting was memorable. A record number of attendees came to meet and listen to our distinguished guest and speaker, Mr. William J. Coad, P.E. and ASHRAE President during 2001-02. Mr. Coad offered an insightful presentation entitled "VAV Design for Improved IAQ". He described the evolution of the variable air systems (VAV), analyzed their strengths and weaknesses, and presented an advanced VAV system approach that is energy efficient and improves IAQ to acceptable levels. We were pleased to have Mr. Coad with us, and appreciate that he made a break in his busy schedule to come and share his experience with our Chapter. If you were unable to attend to this meeting, you can still download copy of his presentation from our website www.ashraeli.org. Four students from Hofstra University - School of Engineering were among the attendees to the meeting. As their senior year is ending, each one is looking for a starting HVAC engineering position, and they appear to be ready for a real job in Long Island. As their contact information did not reach us in time for this newsletter, please let us know if you are interested to interview any of them, and we will make the connection this time.



Another guest during the April's meeting was Mr. Eugene Silberstein, HVAC/R Program Coordinator at the Suffolk County Community College. Eugene shared an update on the construction of their new facilities for their HVAC program. Many of Mr. Silberstein's students shared their good impressions about the program with the attendees.

CHAPTER MONTHLY MEETING

DATE:	Tuesday, May 10, 2005
TIME:	6:00 PM - Cocktails/Dinner 6:30 PM - Changeover Presentation 7:00 PM - Dinner Presentation 8:45 PM - Conclusion
LOCATION:	Westbury Manor South Side of Jericho Tpke. 25 Westbury, NY 11590
FEES:	
Members -	\$30.00
Guest -	\$35.00
Student -	\$15.00

*Reservations requested, but not required.
Call (516) 333-7117*

ANNOUNCEMENTS - I am pleased to announce that the Board of Governors has previously approved to earmark each year a \$1,000 scholarship for Hofstra U. - Mechanical Engineering Students and another for SUNY Stony Brook Mechanical Engineering Students. Starting next year, the Board also approved to earmark a scholarship for students of the HVAC Program at the Suffolk County Community College.

Are you interested in becoming familiar with ASHRAE 90.1-2004, and receiving free training by ASHRAE at the annual meeting in Denver? (travel expenses not included). You are invited to apply for a position representing the LI Chapter. This nationwide program called "Train-the-Trainer" intends to instruct members who would be willing to share this knowledge with others, in our case thru selected seminar(s) organized by the LI Chapter. Please let me know if you are interested at cdarras@akf-eng-com in the next two weeks.

Cont'd. on Page 3

Long Island Chapter Officers & Committees

ASHRAE 2004/2005 OFFICERS

POSITION	NAME	PHONE	FAX	E-MAIL
President	Claudio Darras, P.E.	(212) 354-5656	(212) 354-5668	cdarras@akf-eng.com
President-Elect	Craig D. Marshall P.E.	(203) 261-8100	(203) 261-1981	cmarshall@accuspecinc.com
Vice President	John Nally	(631) 331-0215	(631) 928-4625	jn@atiofny.com
Financial Secretary	Peter Gerazounis, P.E.	(212) 643-9055	(212) 643-0503	pgerazounis@mgjassociates.com
Treasurer	Steven Friedman	(212) 253-7303	(212) 253-6512	sfriedman@tsfengineers.com
Secretary	Steven Giammona, P.E.	(212) 643-9055	(212) 643-0503	sgiammona@mgjassociates.com
Board of Governors	Richard E. Gerbe	(516) 484-1020	(516) 484-0926	reg@leapc.com
Board of Governors	James Hayes	(201) 247-7286	(718) 228-6721	jhayes@geru-usa.com
Board of Governors	Andrew S. Braum, P.E.	(516) 785-4200	(516) 785-9148	asb@asbengineering.com

ASHRAE 2004/2005 COMMITTEES

COMMITTEE	NAME	PHONE	FAX	E-MAIL
Programs and Special Events	Craig D. Marshall, P.E.	(203) 261-8100	(203) 261-1981	cmarshall@accuspecinc.com
Membership	Steven Giammona, P.E.	(212) 643-9055	(212) 643-0503	sgiammona@mgjassociates.com
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Newsletter Editor	Steven Friedman Liset Pena	(212) 253-7303 (212) 643-9055	(212) 253-6512 (212) 643-0503	sfriedman@tsfengineers.com lpena@mgjassociates.com
Resource Promotion	Peter Gerazounis, P.E.	(212) 643-9055	(212) 643-0503	pgerazounis@mgjassociates.com
Historian	John Nally	(631) 331-0215	(631) 928-4625	jn@atiofny.com
Student Activities	John Nally	(631) 331-0215	(631) 928-4625	jn@atiofny.com
Webmaster	James Hayes	(201) 247-7286		jhayes5598@aol.com
Honors, Awards & Publicity	Ray Schmitt	(631) 585-6800	(631) 471-4950	therevrgs@aol.com
Nominating	Michael Gerazounis, P.E.	(516) 482-3207	(516) 482-3790	mgerazounis@mgjassociates.com
CRC General Chair	Alan Goerke, P.E. Frank Morgigno	(631) 331-0215 (631) 331-0215	(631) 928-4625 (631) 928-4625	ag@atiofny.com fm@atiofny.com
Reception and Attendance	Nancy Roman Carolyn Arote	(516) 556-4800 (516) 556-4800	(516) 256-3299 (516) 256-3299	nroman@airdist.com carote@airdist.com
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Golf Outing	Alan Goerke, P.E. Craig D. Marshall, P.E.	(631) 331-0215 (203) 261-8100	(631) 928-4625 (203) 261-1981	ag@atiofny.com cmarshall@accuspecinc.com

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












MAY MEETING - The speaker for this month's meeting is Mr. James M. Calm, P.E., Engineering Consultant and ASHRAE Fellow. Mr. Calm's presentation is titled "Air Conditioning and Global Warming" and he will offer an update on Global Climate Change, and our role in affecting this trend. James M. Calm is an internationally - recognized engineering consultant, specialized in HVAC&R systems. Much of his work has involved the application and safety of alternative refrigerants. Mr. Calm is a former Vice President of the Air-Conditioning and Refrigeration Institute (ARI) and of the Air-Conditioning and Refrigeration Technology Institute. Jim obtained his BS and MS degrees from Tufts University, MA. He has published more than 150 Papers and Reports, which have been translated in several languages. He is a recipient of numerous exceptional and distinguished service Awards. **Note that your attendance this month will be worth 1.5 PDH's credits. More details in this newsletter.**

LOOKING AHEAD - MAY 12, 2005: All-Day-Seminar entitled "Economic Analysis of Engineering Projects: Life-Cycle Costing". The ASHRAE Learning Institute conducts the event, and each attendee will receive 7 PDUs. To find out if there are any seats left, please contact: Rich Gerbe at (516) 484-1020 as pre-registration is required. More information can be found in this newsletter.

MAY 16, 2005: 6th Annual LI / NYC ASHRAE Golf Outing, Cherry Valley Club, Garden City. The event is sold-out, but you can still come to watch good golf and enjoy the Club. If you have not attended to a chapter meeting lately, come and join us this month. Hope to see you then.

Claudio Darras, P.E.
President - Long Island Chapter

Chapter Monthly Meeting - Program for 2004/2005

September 14, 2004 * At Westbury Manor  Dinner Presentation - The Mechanical Engineer's Role in Sustainable Design & The LEED Rating Sys	March 8, 2005  FIELD TRIP - Cancelled due to Weather Island Aire Facility Ronkonkoma, NY PTAC Units & Water Source Heat Pumps
October 12, 2004 * At Westbury Manor  ASHRAE DISTINGUISHED LECTURER Dinner Presentation - Buying or Selling, The Nuts & Bolts of	April 12, 2005 * At Westbury Manor  MENTOR NIGHT Dinner Presentation - VAV System Design
November 9, 2004 * At Westbury Manor  JOINT MEETING WITH SMACNA-LI Dinner Presentation - HVAC Essentials	April 13, 2004 * AKF Engineers, NYC  ASHRAE Satellite Broadcast - Mold in our Building Environment
December 2004  Holiday Cocktail Party @ Westbury Manor	May 10, 2005 * At Westbury Manor REFRIGERANT NIGHT Dinner Presentation - Air Conditioning & Global Warming
January 11, 2005  JOINT MEETING WITH ACCA-LI Dinner Presentation - ASHRAE 62 Most Recent Updates	May 12, 2005 * 200 Old Country Road, Mineola, NY ALL DAY SEMINAR- Economic Analysis of Engineering Projects
February 5-9, 2005  ASHRAE Winter Meeting and Trade Show, Orlando, FL www.ashrae.org / www.ahrexpo.com	May 16, 2005 * Cherry Valley Club, Garden City, NY ANNUAL GOLF OUTING
February 16, 2005, UN International Plaza, NYC  Joint Meeting with NYC, Bi-State & NJ Chapters (ASHRAE President Elect 2004-2005)	June 14, 2005 * At Westbury Manor PAST PRESIDENTS & OFFICER INSTALLATION Dinner Presentation - ASHP - Compounding Facilities Requirements for Hospitals
February 23, 2005 - NATIONAL ENGINEERS WEEK Dinner 	June 25-29, 2005 * Denver, CO ASHRAE Annual Meeting

August 2005 - Chapter Regional Conference Region I - New Jersey

May Chapter Meeting - Program

***You are cordially invited to
our May 2005 Meeting...***



Dinner Presentation

"Air Conditioning & Global Warming"

Presented by
James M. Calm, P.E.
Engineering Consultant
ASHRAE Fellow

**Attendees
will earn
1.5 PDH!**

DATE:	TUESDAY, MAY 10, 2005		
Time:	6:00 PM – Cocktails and Hors D'oeuvres 7:00 PM – Dinner/Presentation 8:45 PM – Conclusion	Fee:	\$ 30.00 Member \$ 35.00 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. Please Contact Craig Marshall at cmarshall@accuspecinc.com for directions. - Reservations requested but not required. Business attire suggested		
Presentation:	This month presentation will address global climate change and the role of air conditioning. Scientists debate both the severity and rate of global warming, while extremists challenge whether it is occurring or whether it points to catastrophic impacts that already have started. Is global warming real? Yes, and the presentation will show why and what it means. Is air conditioning one of the causes or should we just put in more of it to adapt to warmer temperatures? Yes, it is a cause and in more ways than one. And yes, we will need more of it in some places. Climate change affects far more than temperature, so we will have to do a number of things differently. Global warming did not cause the recent tsunami, but its long-term consequences could be much more severe.		
About our Speaker:	<p>James M. Calm, P.E. is an internationally-recognized engineering consultant specializing in heating, air-conditioning, and refrigerating systems. Much of his work involves the application and safety of alternative refrigerants. He is a Fellow of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) and has served on or chaired numerous ASHRAE committees, including the committees responsible for ASHRAE standards 15 (Safety Standard for Refrigeration), 34 (Designations and Safety Classifications for Refrigerants), and 90.1 (Energy Standard for Buildings Except Low-Rise Residential Buildings); the technical committee on Global Climate Change; and the Research and Technical Committee. Jim is an elected member of both Sigma Xi (the international honor society for scientific and engineering research) and Tau Beta Pi (the honor society for engineering) as well as a member of the American Society of Mechanical Engineers (ASME).</p> <p>He is a former vice president of both the Air-Conditioning and Refrigeration Institute and the Air-Conditioning and Refrigeration Technology Institute (ARI); and he also served as technical director of the International Energy Agency Heat Pump Center.</p> <p>Jim holds Bachelor (with honors) and Master of Science degrees from Tufts University and is a registered professional engineer. He has published more than 150 papers and reports, some of which have been translated and republished in multiple languages, and also designed the systems for more than 250 facilities. He is a recipient of both the Exceptional and Distinguished Service Awards from ASHRAE, the Richard C. Schulze Distinguished Service Award from ARI, the DeFlorez Award for Human Factors Engineering, and the Alumni Award for Leadership from Tufts University.</p>		

Board of Governor's Meeting Minutes

Meeting of the Board of Governors was held on 4/12/05 at the Westbury Manor. Present at the meeting were: Claudio Darras, Rich Gerbe, Peter Gerazounis, Steve Friedman, Craig Marshall, Steve Giammona, John Nally, Mr. William J. Coad, P.E. Meeting called to order by Claudio Darras at 5:11 PM:

General – Claudio Darras discussed that the June meeting will be past Presidents night.

Treasury – Steve Friedman reviewed funds. Accounts show positive flow. He must review with the account final tax forms and submission. Impact of electronic newsletters has been +\$1800 on account since August.

Programs – Rich Gerbe also wants to finalize (CEU) values for meetings. This is still an open issue that must be resolved. He needs to show in the newsletter which program nights will be accredited.

Reception – To issue badges with names, which would indicate that they paid to attend.

Membership – The e-mail list has been reviewed and has been updated by Liset. Three people expressed interest in joining last month. They have been contacted via e-mail.

Newsletter – Steve Friedman discussed that the advertisement sections in the newsletter needed to be reviewed. There was some late payment on the advertising. However, this is getting cleared up by proper payment. Steve Friedman asked if anyone has comments on newsletter.

Resource Promotion – Peter Gerazounis reviewed the research promotion goals. Peter felt the RP goal would be met by the end of the year.

Student activities – John Nally has updated PAOE points. Student nights is set for April and 1-15 students were expected to attend. The scholarship applications are being reviewed. Two scholarships will be awarded at the June meeting. It was discussed to expand the scholarship to a non-university tract or technology school.

CTTC – Rich Gerbe has finalized the ASHRAE Learning Institute. The date is set for May.

Website – No update

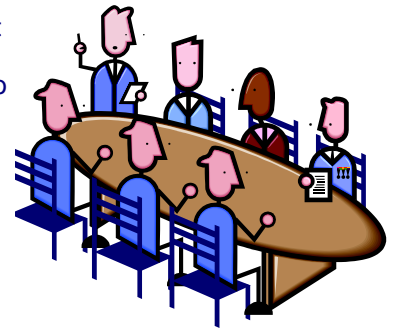
Historian – John Nalley has the historian displays from the CRC. This will be turned over to the new historian chair. Rich Gerbe has found old ASHRAE newsletters that would be nice to display.

Old Business – The status of making the programs PDH accredited is in the process thanks to Rich Gerbe. Mike Gerazounis will be making the ballot for the 2005 Board of Governors and officers. There was a discussion of a summer picnic. This will be evaluated after the June meeting to see where the chapter stands financially.

New Business – The 2005 CRC in New Jersey was discussed. The dates and who was planning to attend must be finalized. Claudio has urged the Board of Governors to bring names of new prospects who would want to help at the Board of Governor's level to

Meeting adjourned at 6:20 pm.

Steven Giammona, P.E.
Chapter Secretary



General Meeting Minutes

Meeting was called to order at 6:45 by Claudio Darras:

Craig Marshall discussed future meeting programs. Claudio Darras mentioned our upcoming events. Introduced our Guest speaker, Mr. William J. Coad, P.E. Lawrence gave an excellent lecture on "VAV system design.. Problems and Opportunities"

Meeting adjourned at 9:00 pm.

Steve Giammona
Chapter Secretary

New York Institute of Technology (NYIT)

NYIT is one of 18 colleges internationally - and the only university in the metropolitan area - selected as a finalist in the global 2005 Solar Decathlon Competition, sponsored by the U.S. Department of Energy. We believe that humans can live in harmony with the Earth as part of one sustainable environment. Green Machine/ Blue Space will demonstrate the regenerative power of our commonwealth: sun, earth and living things. Our design separates the mechanics of life from leisure space to create a house of two parts which can be adapted anywhere.

NYIT's entry into the Solar Decathlon is entitled "Green Machine/Blue Space". In the Green Machine, the mechanics (power-users, heat-producers) of the house are removed from the living spaces to collectively form the beating heart of the entire house. This creates a warmer, denser box that houses the processes of life: A roof garden to grow food that we eat, the kitchen to wash and prepare food, a bathroom for the waste we produce and a non-polluting hydrogen fuel cell that produces the cleanest form of energy.

The Blue Space is left unencumbered by appliances and other mechanics. The space is open and adjustable for the inhabitants. There is a loft for sleeping or reading with plenty of light from clerestory windows. When up in the loft, one can look out onto the backyard or the roof garden of Green Machine. A bridge connects the loft to the garden.

The NYIT team realizes the need for a global design approach. Green Machine is universal and self sufficient as long as it's connected to a Blue Space with photovoltaics. The Blue Space can therefore be indigenous to its locale.

Visitors at the NYIT Solar house will be educated by rich media animations via a Pocket PC (with integrated barcode scanner) that describes visually the technology used throughout the house. Barcodes are located strategically throughout the house on technologies that might be of interest to our visitors. The PCs serve up a wealth of information when scanned. Please see our website for further information and news of our progress: www.nyit.edu/solardecathlon or <http://iris.nyit.edu/solardecathlon/> or go to the NYIT home page and click on Solar Decathlon.

We welcome your support. Checks can be made out to NYIT Solar Decathlon 2005 and forwarded to Ms. Pamela Bottge, Director of Development New York Institute of Technology Northern Blvd. Old Westbury, NY 11568-6000.

We need help fundraising, constructing and publicizing this important project! If you wish to donate time and materials please come to one of our meetings and meet the student team leaders! NYIT Old Westbury Campus Room 516 Tuesday 9-12, Wednesday 5:30 to 8:30.





Long Island Chapter - Past Presidents

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



Student Activities - Student Night

I would like to take this opportunity to thank our board members, chapter members and our local college students for attending the last dinner meeting and making student night a success. Also special thanks to Eugene Silberstein, the HVAC&R Director from Suffolk County Community College for attending. We heard about some of the programs and activities going on at Hofstra and Suffolk Community at the meeting and it was good to see some conversation between the students and our chapter members.

As the school years draws to an end some of the students are still looking for summer employment / internship. Please let us know if your firm may be interested. These kids will work hard and I can guarantee they know more about your computer than you do. It's a win win for all.

Because of our financial success due in large to the sponsorship at our annual golf outing, we are offering two student scholarships this year. Notifications have been sent out to our local colleges and we will be reviewing the applicants in May. We expect to select two winners at the end of May and these students will be invited to our June dinner meeting for the presentation of their award.

See you at our next meeting.

John Nally
Student Activities Committee

RUNNING PAOE POINTS FOR 2004/2005

Chapter Members	Membership Promotion	Student Activities	Resource Promotion	History	Chapter Operations	CTTC	Chapter PAOE Totals
353	0	290	113	275	405	550	1633

History - "What is That?"

These past few weeks have been real busy for me and I haven't had proper time to research a good history topic. A lot of my "ASHRAE" time has been spent with organizational stuff related to our upcoming golf outing. What I can say is that the outing is under control and weather permitting it should be a fine day.

Let me take a moment to ask our membership to look around your basements, attics and garages for any old pictures, papers and anything related to ASHRAE and our chapter. I did this last year and several people came forward and I ended up filing three books. Great stuff, what's in your basement?

There is one other project we would like to start off. A lot of ASHRAE chapters have displays of old heating and cooling system parts. Some of them get taken to the summer CRC for display and the widgets are pretty neat. We would like to get something like this going for our chapter, so if you're a contractor replacing an old system or if you just happen to have some old "spare parts" laying around, consider donating them to our collection.

Our goal is to create some displays that can be used as an historical guide to our past. I'm looking forward to time when we have a display and one of our young chapter members looks at a widget and says "what is that?"

Give us call.

John Nally
Chapter Historian

Membership

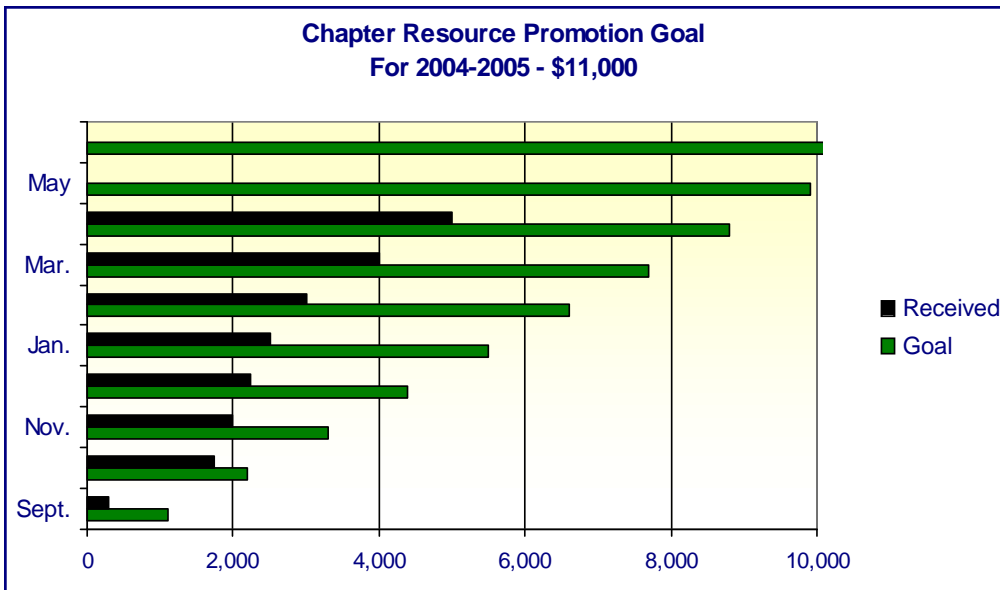
We are having a good year with new member recruitment. A special thanks to our members who have recruited their co-workers. I appreciate all of your efforts.

The April meeting had a good turnout for student members. This is a good opportunity to enhance future membership. It was good to see the meeting had almost a full capacity attendance of approximately fifty people. We want to continue this positive trend in meeting attendance and membership.

See you at our May meeting.

Steven Giammona, P.E.
Membership Chair

Resource Promotion Chart



ASHRAE Technology Transfer Library

The ASHRAE Technology Library is now available to all ASHRAE Long Island Members.

Now all members have local access to ASHRAE publications:

- **Handbooks**
- **Standards**
- **Technical Papers**
- **Software**
- **Guidelines**
- **Information on ASHRAE**
- **Bookstore Order Forms**

To borrow see our monthly display or contact:

Rich Gerbe at Lizardos Engineering

Tel: 516-484-1020

Email: reg@leapc.com

Contributions to the library are welcomed.

ASHRAE REGION 1 EXECUTIVE COMMITTEE 2004-2005



Director & Regional Chairman (DRC)

DRC - DIRECTOR & REGIONAL CHAIR

Term: 2003-07-01 to 2006-06-30

Lynn G Bellenger

One Morningside Park, Pittsford NY 14534-9707

Pathfinder Engineers LLP

Phone:(B) 585-218-0730, x-105 Fax: 585-218-0737

Email: lbellenger@pathfinderengineers.com

NOMINATING COMMITTEE MEMBER

Term: 2004-07-01 to 2005-06-30

Gus Mastro

24 Tanglewood Drive, Essex Junction, VT 05452

University of Vermont

Phone:(B) 802-656-2186 Fax: 802-656-1075

Email: gmastro@uvm.edu

RVC MEMBERSHIP PROMOTION

Term: 2003-07-01 to 2006-06-30

Robert J Persechini

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Richard D Kimball Company Inc

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RVC CHAPTER TECHNOLOGY TRANSFER

Term: 2003-07-01 to 2006-06-30

Mike Circosta

8 Bayberry Rd, Armonk NY 10504-1005

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REGIONAL CHAPTER PROGRAMS

Term: 2004-07-01 to 2005-06-30

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REGIONAL HISTORIAN

Term: 2003-07-01 to 2004-06-30

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1320 Soldiers Field Rd, Boston MA 02135-1020

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Email: gmh@brplusa.com

2004 CRC GEN. CHAIR, LI, NY

Term: 2004-07-01 to 2005-06-30

Alan J Goerke

90 Plant Ave, Suite 110, Hauppauge, NY 11788

Applied Technology of NY

Phone: (B) 631-331-0215 , x-17 Fax:

Email: ag@atofny.com

ARC - ASSISTANT REG. CHAIR & TREASURER

Term: 2004-07-01 to 2006-06-30

Garry N. Myers

73 Bonnie Way, Allendale, NJ 07401

Flack + Kurtz Inc.

Phone:(B) 212-951-2815 Fax: 212-689-7489

Email: Garry.Myers@ny.fk.com

NOMINATING COMMITTEE ALTERNATE

Term: 2004-07-01 to 2005-06-30

Joseph Ting

833 Feura Bush Road, Delmar, NY 12045

TMC / RCUH

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Email: jting@nycap.rr.com

RVC RESOURCE PROMOTION

Term: 2002-07-01 to 2005-06-30

Cliff Konitz

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Retired

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Email: c.konitz@worldnet.att.net

RVC STUDENT ACTIVITIES

Term: 2004-07-01 to 2007-06-30

Emery Otruba

262 Johnson Hill Rd, Hoosick Falls NY 12090

Robson & Woese

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Email: eotruba@robsonwoese.com

REGIONAL REFRIGERATION CHAIR

Term: 2004-07-01 to 2005-06-30

WEBMASTER & NEWSLETTER JUDGE

Term: 2001-07-01 to 2005-06-30

Mike Colwell

122 Park Avenue, Binghamton, NY 13903

Tri Cities Temperature Control

Phone: (B) 607-724-8282 Fax: 607-724-2446

Email: mike.colwell@mail.ashrae.org

2004 CRC GEN. CO-CHAIR, LI, NY

Term: 2004-07-01 to 2005-06-30

Frank Morgigno

90 Plant Ave, Suite 110, Hauppauge, NY 11788

Applied Technology of NY

Phone: (B) 631-331-0215 , x-17 Fax:

Email: fm@atofny.com

ASHRAE Learning Institute - May 12, 2005



ASHRAE Long Island Chapter


Presents:

ASHRAE Learning Institute:

- Economic Analysis of Engineering Projects -

Life Cycle Costing

Thursday, May 12, 2005

Date/Time:	THURSDAY, MAY 12, 2005 8:30 AM – 4:30 PM EST	Fee:	\$250.00 (\$35.00 / PDH) - Includes Seminar, Materials, Breakfast,
Location:	Lizardos Engineering, 200 Old Country Road, Mineola, NY 11501 (Lower Level Conference Room)		
About the Pres-  *7 PDH's	<p>Beginning with a review of basic economic definitions, this seminar will focus on the “nuts and bolts” of how to perform a proper life cycle cost analysis. Multiple techniques for further evaluation are covered, with special treatment of uncertainty and how it can be minimized. Students will complete a series of exercises and class problems that demonstrate the methods presented. Also included is a demonstration of the NIST Building Life Cycle Cost software program.</p> <p>This is an excellent opportunity to view a high quality education program presented by a nationally recognized instructor. All technical information is free of commercialism and peer reviewed for accuracy.</p>		
Presentation Schedule:	<u>8:30 am to 8:45 am</u> • <i>Registration, Breakfast</i>	<u>12:30 pm to 1:30 pm</u> • <i>Lunch @ Slaters Restaurant</i>	
PRE-REGISTRATION REQUIRED:	Seating is limited to first 20 Registrants. Send a \$100 deposit to secure your registration (address below). Register by May 1, 2005.		
Contact Info.:	Richard Gerbe c/o Lizardos Engineering: 200 Old Country Road, Mineola, NY 11501		

Directions: Lizardos Engineering is located at the NE corner of Mineola Blvd. & Old Country Road (200 Old Country Rd).

Take the LIE to exit 37 to Northern Parkway to Exit 28 (Willis Avenue). Follow Willis Ave South to the end. Turn right on Old Country Rd. Make 1st right on Main Street. Make 1st left onto Third Street. Parking garage entrance on right. Visitor's parking is on Level 2 of the parking garage. There is a pedestrian crossover bridge from the parking garage to the building at Level 4 of the

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If you would like to place an ad advertising job opportunities or if you would like to advertise that you are looking for employment please contact our chapter's Treasurer, Mr. Steve Friedman via email at sfriedman@mgjassociates.com or at 212-643-9055 for further details.

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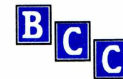
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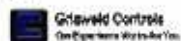
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