

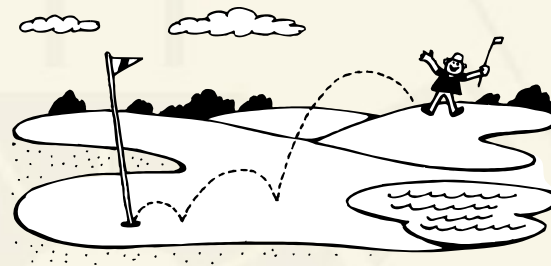


Upcoming Events

- **August 18 - 20 -**
ASHRAE Region I
Chapters Regional Conference

2011 Bi-State Chapter

Annual Golf Outing



Wednesday, June 8

**Same Great Location: The Links at Union Vale
153 North Parlیمان Road
Union Vale, New York 12540**

www.thelinksatunionvale.com

for more information please contact sabbattista@olace.com

If payment is not received prior to the outing you will not play.

18 Hole Championship Golf Course

- 11:30 am: Check-In/Lunch
- 1:00 pm: Shotgun Start
- 6:00 pm: Dinner and Awards

Event Costs:

- \$200 per player
- \$750 per foursome
- \$65 for dinner only

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President's Message

By Enzo A. Carlesimo

On behalf of the entire Chapter, I would like to extend our gratitude to Bruce Majer of BRD Noise and Vibration Control Inc. and Ray Schmitt of Daikin Industries Inc. for their insightful presentations last month. Judging by the strong turnout the two topics that they presented grabbed our members' interests, and I am certain they were not disappointed. As we approach the end of another year, with our last meeting being our Annual Golf Outing just a week away on June 8th, I encourage everyone to attend. It is a great time to unwind and have some fun. I would like to thank the Board of Governors, which has encouraged me throughout the year; I could not have done it without them. They planned terrific programs and gave us numerous PDHs. I would also like to thank all the regular attendees who have supported the chapter throughout the year as well as the excellent speakers who shared their knowledge and kept the programs interesting. Next year Nick Salomone will be our President. I'm sure he will lead the Chapter through another successful year. Let's all give Nick our support.

Enzo A. Carlesimo
Bi-State Chapter President



Historical Notes — Bob Roston, Bistate Historian

ASHRAE Historical Committee sponsors, encourages and conducts research into the history of heating, ventilation, air conditioning and refrigeration; encourages authorship and publication of historical articles locates, identifies and determines location for display or availability of items of historical significance; and encourages regional and chapter historians to gather historical information and artifacts. This committee reports to Publishing and Education Council.

Guide for Achieving Advanced Energy Savings Published by Industry Leaders

Guidance for achieving net-zero-energy design is now available from leading industry organizations in a new publication. *Advanced Energy Design Guide for Small to Medium Office Buildings: Achieving 50% Energy Savings Toward a Net-Zero-Energy Building* is the first book in a series of Advanced Energy Design Guide (AEDG) publications that provides recommendations to achieve 50 percent energy savings when compared with the minimum code requirements of *ANSI/ASHRAE/IESNA Standard 90.1-2004, Energy Standard for Buildings Except Low-Rise Residential Buildings*. The book was developed by a committee representing a diverse group of energy professionals drawn from ASHRAE, the American Institute of Architects (AIA), the Illuminating Engineering Society of North America (IES), the Department of Energy (DOE) and the United States Green Building Council (USGBC).

The series follows the earlier six-book series that provided guidance to achieve 30 percent savings. The ultimate goal is to provide guidance to achieve net-zero-energy buildings, that is buildings that produce more energy than they consume.

"This guide will help in the design of new office buildings and major renovations that consume substantially less energy compared to the minimum code-compliant design, resulting in lower operation costs," Bing Liu, chair of the 50% AEDG project committee, said. "Of equal importance is that energy-efficient buildings offer a great possibility to enhance the working environment, including indoor air quality, thermal comfort and natural lighting."

A significant addition to the new 50 percent guide is the inclusion of a performance path; specifically, offering guidance for early stage energy modeling. "Whole-building energy modeling programs can provide more flexibility to evaluate the energy-efficient measures on an individual project," Liu said. "Simulation programs have learning curves of varying difficulty, but energy modeling for office design is highly encouraged and is considered necessary for achieving energy savings of 50 percent."

The groups note that meeting the 50 percent energy savings goal is challenging and requires more than doing business as usual. The Guide offers eight essentials to achieve advanced energy savings:

- Obtain building owner buy-in
- Assemble an experienced, innovative design team
- Adopt an integrated design process
- Consider a daylighting consultant
- Consider energy modeling
- Use building commissioning
- Train building users and operations staff
- Monitor the building

ASHRAE, AIA, IES, DOE and USGBC are currently developing the second guide in the 50 percent series, which will focus on K12 schools. Publication is targeted for fall of 2011, followed by a guide for medium/big box retail in the winter of 2012 and large hospitals in the spring of that year.

Advanced Energy Design Guide for Small to Medium Office Buildings: Achieving 50% Energy Savings Toward a Net-Zero-Energy Buildings is available as a free download at www.ashrae.org/freeaedg. A print version is available for \$82 (\$69, ASHRAE members).

Committee Reports

Student Activities — Carmen B. Yellen, Committee Chair

It's time to celebrate! Join colleagues, clients and friends at our Annual Golf Outing, in congratulating our future HVAC Engineers, recipients of this year's Bi-State Chapter Scholarships.

Serving as committee chair has been a very rewarding experience, made possible only by the contributions of our members and community leaders:

Miss Deborah Rispoli – Fox Lane ASPIRE Program & Career Counselor

Mr. Edward Schmidt – Brewster High School Engineering Club Mentor & Science Teacher

Mr. Wayne Bunker, of IBM - Engineer's Week participant (Summary featured in March Newsletter)

Mr. James Dowiat, of ARBPE PLLC – Internship Program Participant (Summary in this issue below)

Together we have built a strong foundation, partnerships with local schools and companies, providing real world, hands on education.

Many college or college bound students will be seeking summer jobs shortly. Please post intern positions, at no cost, through ASHRAE's online jobs website, www.ashraejobs.com, or [contact me](#) for further information.

Internship Summary:

Samantha Canosa - Mechanical Engineering Student, Fairfield University Class of 2015

The Fox Lane High School ASPIRE program has given me first hand exposure to the engineering field by means of internships. For about four weeks now, I have been working with ARBPE (Arthur R. Breuer, Professional Engineers) producing mechanical and electrical drawings using CAD, examining ductwork, surveying sites in NYC's high-rise commercial buildings, researching ASHRAE standards, building construction and fire codes, and reviewing shop drawing submittals for conformance of design performance requirements.

This internship along with my participation in the ASHRAE Bi-State Chapter has given me tremendous exposure to this industry. I have attended technical presentations as well as the Board of Governors meeting. This exposure has given me insight to the skills I will need to further develop at Fairfield University when I begin this fall. This all has encouraged me to continue on as a student member of ASHRAE, and furthermore, reinstating a student chapter upon my arrival.

As the hopeful leader of the Fairfield University student chapter President, I will do my best to encourage other high schools to follow in the footsteps of Fox Lane's ASPIRE program by providing students with invaluable real world education. I am very interested in continuing with hands on exposure and can be reached through the ASHRAE student activities committee should an opportunity become available for me to work during the summer and part time during the school year.

Membership Promotion — Erica L. Ross, Committee Chair

Looking back on the last year, the Bi-State chapter would like to thank our loyal members. The 2010/2011 season has brought many new faces to our meetings. We're proud of our alliance with Manhattan College and the students who have come to be a part of our monthly meetings. For those engineers under the age of 35 there is an association that can help keep you in the ASHRAE spirit; Young Engineers in ASHRE (YEA), www.ashrae.org/yea.

Most importantly, I'd like to thank all of our members. Your membership to our organization will keep the Bi-State going strong. Please don't forget to renew your membership this year! Also, find us on facebook at <http://www.facebook.com/BISTATE>.

Research Promotion Contribution Form

PLEASE COMPLETE THE INFORMATION BELOW AND RETURN WITH YOUR CONTRIBUTION TO:

Terry Connor
Johnson Controls
8 Skyline Drive
Hawthorne, NY 10532

Phone: 914-593-5223 Fax: 914-593-5201

Please accept my research investment in the amount of \$ _____

Make checks out to **ASHRAE Research**.

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Company _____ Chapter _____ Bi-State _____

Address _____

City _____ State _____ Zip _____

Please check one: Personal contribution

Company contribution

Charge my gift to: Visa Master Card American Express

Credit Card # _____ Expiration Date _____

Signature _____

Donors are recognized for their contributions as follows:

Honor Roll contributors are listed in the October ASRHAE Journal and receive the commemorative coin recognizing Giants in HVAC&R invention or innovation.

Individual Honor Roll beginning at \$100

Corporate Honor Roll beginning at \$150

Investors with contributions of \$250 or more receive a wall plaque that can display six commemorative coins.

Contributions in any amount are gratefully received and 100% of the contribution goes directly to research. All contributions are tax deductible.

Officers and Governors 2010—2011

Position	First Name	Last Name	Email	Phone	Fax
Officers					
President	Enzo	Carlesimo	ecarlesimo@collado-eng.com	(914) 332-7658	(914) 332-7659
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BOG (term ends June 2014)	Albert	Collado	acollado@collado-eng.com	(914) 332-7658	(914) 332-7659
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BOG (term ends June 2011)	Steven	Abbattista	sabbattista@olace.com	(914) 747-2800	(914) 747-0453
BOG (term ends June 2011)	Cliff	Konitz	c.konitz@verizon.net	(845) 297-5864	(845) 297-5864
BOG (term ends June 2011)	Joseph	Trongone	jatrong@optonline.net	(914) 526-3441	
BOG (term ends June 2012)	James	Dolan	jdolan@olace.com	(914) 747-2800	(914) 747-0453
BOG (term ends June 2012)	John	Fusco	jfusco@olace.com	(914) 747-2800	(914) 747-0453
BOG (term ends June 2012)	Lawrence	Sturgis	smacna.seny@verizon.net	(914) 592-1776	(914) 592-1904
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Attendance	Cliff	Konitz	c.konitz@verizon.net	(845) 297-5864	(845) 297-5864
Golf	Steven	Abbattista	sabbattista@olace.com	(914) 747-2800	(914) 747-0453

Why Be Involved in a Local Chapter?

- Learn about the latest technologies presented in the program sessions
- Attain continuing education credits
- Meet industry associates and discuss local concerns
- Network amongst designers, installers, vendors, educators, in your local area to help improve business for all
- Share experiences with others
- Enjoy a social hour
- Carry out ASHRAE's mission on a local level

"To advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world."

ASHRAE Region I Roster 2010-11 Executive Committee

DRC – Director & Regional Chair

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Notice to business card advertisers:

We are currently accepting business card advertisements for this year's newsletters. The cost of a business card ad is \$125.00. The newsletter is published monthly, September through June (ten issues). That means for \$125.00 (\$12.50 an issue), your business card ad will circulate to approximately 300 recipients a month or an advertising cost of approximately 4 cents/recipient.

If you are interested in placing an ad, please forward a business card and check (payable to ASHRAE Bi-State) to:

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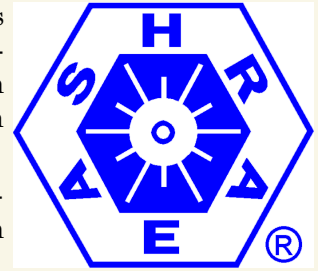


Employment Opportunities

Employment ads may be submitted for inclusion in **The Exchanger** as follows:

1. \$100.000 from companies placing ad for one (1) month.
2. \$150.00 from companies placing ad for two (2) months.
3. No charge for members looking for employment.

The American Society of Heating, Refrigerating and Air-Conditioning Engineers advances the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world. Membership is open to any person associated with the field including indoor air quality, building design and operation, and environmental control for food processing and industry.



ASHRAE will be the global leader, the foremost source of technical and educational information, and the primary provider of opportunity for professional growth in the arts and sciences of heating, ventilating, air conditioning and refrigerating.

Upcoming Meetings

Month	Date	Promotion	Main Presentation	Tech Session
June	6/8/2011	Membership Promotion	Golf Outing	

ASHRAE 2010 BACnet® Published

A large collection of new technologies for emerging applications is contained in ASHRAE’s newly published BACnet standard.

ANSI/ASHRAE Standard 135-2010, BACnet – A Data Communication Protocol for Building Automation and Control Networks, allows building equipment and systems manufactured by different companies to work together. It is the only open, consensus-developed standard in the building controls industry. The new standard contains 19 addenda approved since the 2008 standard was published.

“The 2010 version of the standard represents a large amount of work in a short amount of time by the BACnet committee,” Dave Robin, committee chair, said. “In just two years, the committee has added a wide variety of new technologies and contributed more than 400 pages to the standard.”

The standard contains several new ways to communicate: wireless communications is provided for applications where wired networks are impractical or expensive; a new XML vocabulary is provided for complex standard and proprietary data and metadata; a new character encoding method is provided for greater flexibility and compatibility with international text; and new state-of-the-art network security is defined to allow the creation of highly secure communications channels for sensitive data.

It also adds:

- higher speeds for MS/TP networks and wiring guidance for optically isolated segments
- new requirements for workstations and the definition of new kinds of workstations
- new engineering units to support smart grid and other emerging applications
- a new Global Group object for gathering, monitoring and distributing sets of data
- six new objects to support physical access control
- 12 new objects to support the full complement of all data types, including strings

NYSERDA Launches Energy Assessment Program for Commercial Buildings

A new pilot program offered by the New York State Energy Research and Development Authority (NYSERDA) is intended to help commercial building owners in New York cut energy use, save money and reduce greenhouse gas emissions. The FlexTech program allows owners of commercial, industrial and institutional properties 50,000 ft² (4600 m²) or larger to apply for up to \$7,000 in assessment services per location, at no cost to the applicant. The cost for assessments that exceed \$7,000 will be shared by the applicant and NYSERDA.

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ASHRAE Bi-State Chapter Annual Golf Outing



Wednesday, June 8, 2011
The Links at Union Vale



Schedule:

- 11:30 am: check-in/lunch
- 1:00 pm: shotgun start
- 6:00 pm: dinner/awards

Costs:

- \$200 per player
- \$750 per foursome
- \$65 for dinner only

Return this form with payment by June 3, 2011

Note: *If payment is not received prior to the golf outing, your reservation may not be accepted.*

Name: _____ Phone: _____

Company Name: _____

Company Address: _____

Email: _____

- | | |
|--|--|
| <input type="checkbox"/> Individual for lunch/golf/dinner\$200 | <input type="checkbox"/> Tee Sponsor\$200 |
| <input type="checkbox"/> Individual for dinner only\$65 | <input type="checkbox"/> Beverage Cart Sponsor\$1000 |
| <input type="checkbox"/> Foursome for lunch/golf/dinner\$750 | <input type="checkbox"/> Lunch Sponsor\$1500 |

Please check off participation level above and make checks payable to: *ASHRAE Bi-State Chapter.*

List names of golfers below. *(If less than four, the golf committee will complete pairings.)*

1. _____ 3. _____

2. _____ 4. _____

Mail completed reservation form and check to:
ASHRAE Bi-State Golf c/o OLA Consulting Engineers, 50 Broadway, Hawthorne, NY 10532



ASHRAE Bi-State Chapter Annual Golf Outing



Directions to The Links at Union Vale

153 North Parlیمان Road, Union Vale, NY 12540 (845)223-1002

www.thelinksatunionvale.com



From New York City and South:

- Take the Taconic State Parkway north to Route 82 North.
- Travel 4-1/2 miles and make a right onto County Route 89
- Take the first right onto North Parlیمان Road (1 mile).
- Golf Course is 1/2 mile on right.

From East or West:

- Take Interstate 84 (east or west) to the Taconic State Parkway north (6-3/4 miles) to Route 82 North.
- Travel 4-1/2 miles and make a right onto County Route 89.
- Take the first right onto North Parlیمان Road (1 mile).
- Golf course is 1/2 mile on right.

From the North:

- Take the Taconic State Parkway south to Route 55 east towards Pawling.
- Take a left at the first light (Route 82 north).
- Make a right onto County Route 89
- Take the first right onto North Parlیمان Road (1 mile).
- Golf Course is 1/2 mile on right.