

THE EXCHANGER



CHAPTER MEETING: December 9th, 2015

Presentation:

BUILDING AUTOMATION SYSTEMS IN 2015

The Barley House 5:30PM - 9:00PM

\$25 Members, \$30 Non-Members

\$20 reduced rate for membership appreciation or bring a gift for "Toys for Tots"

Walk-ins & General Public Welcomed



PRESIDENT'S MESSAGE

We once again had a robust meeting at Casa Rina. We had a presentation on lighting controls by Jung Kim of Samjin on lighting and controls as well as a presentation by our Regional Chair Bill Walter. He presented on the history of refrigerants.

Attendees obtain a PDH for attending and participating to support their license continuing education.

Bill gave us the insider look at the development of today's refrigerants, the challenges for the future but also enlightened many on how long the issue of ozone depletion has been a challenge and that we have had significant success with this environmental issue. We all gained a greater appreciation for the periodic table and the basic elements that refrigerants are and need to be comprised of. I didn't think that a discussion on the periodic table could be so interesting.

As I have mentioned a key focus for our Chapter this year is Student Activities. Our BOG has agreed to make a donation to the PNW BOCES program in HVAC to help them with some of their infrastructure needs. This is a continuation of efforts started last year. We will be visiting the school and taking a tour of the lab on November 13th. If you are interested please reach out to confirm attendance. We will need your name on the list to attend.

All of us benefit from ASHRAE and we look forward to our membership participation at meetings, at our building tours as well as to be involved with various committees.

In December we will have a Holiday Party and you are welcome to break out the "Bad Sweaters" again. We will also collect for "Toys for Tots" and have a presentation on Controls as a part II to last years presentation. Stay tuned for more details.

James F. Dolan, P.E.

UPCOMING EVENTS

NOVEMBER 13TH: CHAPTER MEETING, BOCES SITE VISIT

DECEMBER 9TH: CHAPTER MEETING, HOLIDAY PARTY

IN THIS ISSUE

- Making Connections
- In Case You Missed It
- ASHRAE Research

ASHRAE RESEARCH

I would like to thank last year's contributors listed below for their generous support in making the campaign a most successful one.

As some of you may not know, ASHRAE's Research Program sets ASHRAE apart from other professional societies and associations of its kind. ASHRAE's Handbook series, technical programs, standards, and special publications all utilize the results of Research conducted through ASHRAE funding. ASHRAE conducts timely research to remain the foremost, authoritative and responsive international source on the interaction between people and the indoor and outdoor environment through the operation of HVAC&R systems in buildings and other applications.

Research Donations in particular are the foundation of the ASHRAE Research Program. We at the Bi-State Chapter of ASHRAE would like to invite you to invest in ASHRAE Research. ASHRAE is a not-for-profit organization and needs your support for continued success! The Bi-State Chapter of ASHRAE has continued to raise the bar for research funding, and we couldn't have done it without your help.

We hope that we can count on you to help us reach our goal of \$6,250 for the 2015 – 2016 campaign year. You can do this by filling in the form below or by contributing on-line at: <https://xp20.ashrae.org/secure/researchpromotion/rp.html>. Please make sure you mention the Bi-State Chapter so that we can be credited.

For further information or assistance contact Cliff Konitz, RP Chair, at 845-297-5864 or <mailto:c.konitz@verizon.net>

ABOUT ASHRAE

ASHRAE, founded in 1894, is a building technology society with more than 50,000 members worldwide. The Society and its members focus on building systems, energy efficiency, indoor air quality and sustainability within the industry. Through research, standards writing, publishing and continuing education, ASHRAE shapes tomorrow's built environment today. 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.

MAKE connections

Our current Society President is David Underwood and we anticipate David will join our Chapter for a meeting in 2016. David highlights "Making Connections" in his Presidential Address which was printed in August ASHRAE Journal. He states:

"We are most effective when researchers, consultants, contractors, owners, and users are connecting and collaborating."

We look forward to having a diverse group of attendees and looking to reach out to the various members both in their business type as well as geography in our chapter territory and for all of us to collaborate.



Shaping Tomorrow's
Built Environment Today

2014 - 2015 Research Promotion Donors

Major Donor - Silver \$1,000 - \$2,499

Bi-State ASHRAE Chapter
Central Hudson Gas & Electric Corporation
Major Donor - Bronze \$500 - \$999
Sheet Metal & Air Conditioning Assoc. - SE New York

Major Donor - Antique \$250 - \$499

Miller Proctor Nickolas Inc
OLA Consulting Engineers
Mr Werner E Tietjen
Unity Mechanical Corporation
Honor Role Donors \$100- \$250
Automated Control Logic Incorporated
Collado Engineering
DL Flow Tech Incorporated
D P Wolff Inc.
Victaulic Company of America - Easton

Mr Robert A Schmidt Memorial
Mr James F Dolan, PE
Mr John A. Fusco, PE
Mr. Walter E Greenwood
Mr Dennis LaVopa
Mr George Mulvaney
Mr Clifford F Konitz
Mr Robert A Roston
Mr Brendan Smith
Other Donors

James Zonino Memorial
Mr Douglas W Schmidt

 SHEET METAL AND ROOFING CONTRACTORS OF SOUTHEASTERN, NY SMACNA, SENY	LAWRENCE STURGIS EXECUTIVE VICE PRESIDENT 1 PAULDING STREET ELMSFORD, NY 10523 PHONE: 914-592-1776 FAX: 914-592-1904 e mail: larrysturgis@gmail.com
	Westchester, Putnam, Rockland, Orange Ulster, Sullivan, Dutchess, Fairfield & Litchfield, Ct.

OLA Consulting Engineers 50 Broadway Hawthorne, NY 10532 www.olace.com (914) 747-2800	
MEP Engineering • Energy Engineering • Commissioning	

 D.P. Wolff Inc. Service & Mechanical Contractors
Vikash Patel, LEED AP ■ Vice President vpatel@dpwolff.com 143 Bedford Road ■ Katonah, New York 10536 914/767.0515 ■ 212/689.7801 ■ 914/767.3596 FAX 914/767.0515 24 HOUR EMERGENCY

chimney DESIGN solutions®
800-685-7077 FAX: 212-685-4777 chimney design solutions.com

IN CASE you missed it

On October 14, 2015, we had Jung S. Kim of Samjin LED come and present LED lighting technologies and brought in some samples of the products he helped develop. This presentation brought a whole new way at looking at lighting to me. Lighting can influence you at an emotional level, with a simple change from a daylight to warm setting. He demonstrated this using his wireless control, and adjusted the light color and brightness to set your mood from alert to relaxed. Who knew I could skip the coffee and just change the light setting? These technologies were implemented in many places, including professional sport team facilities in the U.S. for this very reason, and also for the fact that they look nice.

We also had Bill Walter, ASHRAE Regional 1 Director and Chair, come in and present what was a very informative and intriguing presentation on refrigerants. He presented the full spectrum of past, present, and future events that will affect all of us for years to come. In the future, it is quite possible we could have natural refrigerants, such as ammonia, be in your new refrigerator, car, or condensing unit of your home! It is all happening as we speak, as the Montreal Protocol Parties are meeting in Dubai at the end of October, and beginning of November to go over each countries proposed path to action on HCFC phaseout , and HFC phasedown over the next 25 to 50 years. I will never look at Chemistry quite the same again! The always evolving refrigerant sector continues to move forward on being less harmful to our environment. I will keep everyone posted on results of these Montreal Protocol meetings in the near future. ~ Paul Chipoco



**ASHRAE 2016
Winter Conference**
Orlando Hilton
Jan. 23-27



AHR Expo
Orange County
Convention Center
Jan. 25-27



ASHRAE Learning Institute

Seminars & Courses at ASHRAE's Winter Conference in Orlando, FL

2 WAYS TO REGISTER

Internet: www.ashrae.org/orlandocourses

Phone: Call 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Full-Day Professional Development Seminars

\$485/\$395 ASHRAE Member -- Earn 6 PDHs/AIA LUs or .6 CEUs

Commercial Building Energy Audits

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

Commissioning Process in New & Existing Buildings

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

Designing HVAC Systems to Control Noise & Vibrations

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

Energy Modeling Best Practices and Applications

Tuesday, January 26, 2016 – 9:00 a.m. to 4:00 p.m.

Operations & Maintenance of High-Performance Buildings

Tuesday, January 26, 2016 – 9:00 a.m. to 4:00 p.m.

Half-Day Short Courses

\$159/\$119 ASHRAE Member -- Earn 3 PDHs/AIA LUs or .3 CEUs

Laboratory Design: The Basics and Beyond

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Troubleshooting Humidity Control Problems

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Understanding & Designing Dedicated Outdoor Air Systems

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Variable Refrigerant Flow System Design & Applications **NEW!**

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Air-to-Air Energy Recovery Applications: Best Practices

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

Applications of Standard 62.1-2013

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

Building Demand Response & the Coming Smart Grid

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

Energy Management Best Practices

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

Advolving IAQ Problems

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Commissioning Process & ASHRAE Standard 202

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Complying with Standard 90.1-2013: HVAC/Mechanical

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Evaluation and Control of Legionella in Building Water Systems **NEW!**

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Exceeding Standard 90.1-2013 to Meet LEED Requirements

Monday, January 26, 2016 – 9:00 a.m. to 12:00 p.m.

IT Equipment Design Evolution & Data Center Operation Optimization

Monday, January 26, 2016 – 9:00 a.m. to 12:00 p.m.

Designing High-Performance Healthcare HVAC

Monday, January 26, 2016 – 1:00 p.m. to 4:00 p.m.

ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Halifax • Hong Kong • Houston

Kuala Lumpur • Miami • Minneapolis • Vancouver

HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II – Applications - Registration is \$854 (\$699 ASHRAE Member)

HVAC Design: Level II – Applications provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit www.ashrae.org/hvactraining to register.

EDITOR'S NOTE

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

ADVERTISING OPPORTUNITIES

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 **ASHRAE Bi-State Chapter: DL Flow Tech, 2421 Route 52, Hopewell Junction, NY 12533**

EMPLOYMENT AD 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.

<p style="text-align: right;">Engineering Consultant</p> <p>Bob Roston, P.E.</p> <p>6 Pilgrim Road White Plains, NY 10605-3703</p> <p style="text-align: right;">Tel: 914 761-3364 Fax: 203-504-7949 Mobile: 914 646-8322 e mail: bob@rostonfamily.com</p>	 <p>D.P. Wolff Inc. Service & Mechanical Contractors</p> <p>Vikash Patel, LEED AP ■ Vice President vpatel@dppwolff.com</p> <p>143 Bedford Road ■ Katonah, New York 10536 914/767.0515 ■ 212/689.7801 ■ 914/767.3596 FAX 914/767.0515 24 HOUR EMERGENCY</p>
---	---

EMF

Walter E. Greenwood (Chip)
PRESIDENT
(914) 747-1007 Phone
(914) 747-1054 Fax
(914) 403-4702 Cell
greenwoodw@emfcontrols.com

Energy Management of Facilities, Inc.

5 West Cross St., Suite 5G
P.O. Box 176
Hawthorne, NY 10532
http://www.emfcontrols.com

Partner of
Schneider Electric

Certified Energy Management System Contractor
Facility Automation • HVAC Controls • Security • Access Control • CCTV

AW

Atlantic Westchester, Inc.

- HVAC Services
- Building Management Systems
- Energy Solutions

☎ 914-666-2268
☎ 914-666-8344

AtlanticWestchester.com 264 Adams St. | Bedford Hills | NY 10507

Dennis LaVopa

Tel 845-265-2828
Fax 845-265-2745

dL Flow Tech, Inc.

2421 Rt. 52 Hopewell Jct., NY 12533
www.dlflowtech.com
dLaVopa@dlflowtech.com

Automated Control Logic

a.c.l.
Facility Automation
Access Control
Digital Video/CCTV
Systems Integration
24 Hour Monitoring

Preston M. Bruenn
President

578 Commerce Street, Thornwood, NY 10594
PH. 914-769-8880 FAX. 914-769-2753
pbruenn@automatedcontrollogic.com

BI-STATE CHAPTER OFFICERS AND GOVERNORS 2015—2016

Position	First Name	Last Name	Email	Phone
Officers				
President	James (Jim)	Dolan	jdolan@olace.com	(914) 919 3106
President-Elect	Brendan	Smith	bsmith@lynstaar.com	(914) 741-1290 ext 17
Vice President	Brendan	Smith	bsmith@lynstaar.com	(914) 741-1290 ext 17
Secretary	Brendan	Smith	bsmith@lynstaar.com	(914) 741-1290 ext 17
Treasurer	Dennis	LaVopa	dlavopa@dIFlowTech.com	(845) 265-2828
Governors				
BOG (term ends June 2017)	John	Fusco	jfusco@kohleronan.com	(203) 778-1017
BOG (term ends June 2017)	Cliff	Konitz	c.konitz@verizon.net	(845) 297-5864
BOG (term ends June 2017)	Stephanie	O'Dea	Stephanie.L.Odea@jci.com	(914) 593-5245
BOG (term ends June 2016)	Michael	Circosta	mjcarmonk@optonline.net	(914) 273-9173
BOG (term ends June 2016)	Dennis	LaVopa	dlavopa@dIFlowTech.com	(845) 265-2828
BOG (term ends June 2016)	Robert	Roston	bob@rostonfamily.com	(914) 761-3364
BOG (term ends June 2015)	Tom	Quartuccio	tquart@optonline.net	
Chapter Delegate	James	Dolan	jdolan@olace.com	(914) 919 3106
Chapter Alternate	Brendan	Smith	bsmith@lynstaar.com	(914) 741-1290 ext 17
Committee Chairs				
CTTC	John	Fusco	jfusco@kohleronan.com	(203) 778-1017
Government Affairs	James (Jim)	Dolan	jdolan@olace.com	(914) 919 3106
Research Promotion	Cliff	Konitz	c.konitz@verizon.net	(845) 297-5864
Student Activities	Kerry	Gorczyński	kgorczyński@olace.com	(914) 919-3134
Young Engineers in ASHRAE	Stephanie	O'Dea	Stephanie.L.Odea@jci.com	(914) 593-5245
Membership Promotion	James	Dolan	jdolan@olace.com	(914) 919-3106
Refrigeration	John	Fusco	jfusco@kohleronan.com	(203) 778-1017
Webmaster	Cliff	Konitz	c.konitz@verizon.net	(845) 297-5864
Newsletter Editor	Anastasia	Guadron	aguadron@olace.com	(914) 919-3110
Historian	Robert	Roston	bob@rostonfamily.com	(914) 761-3364
Reception	Joseph	Trongone	jatrongone@optimumonline.com	(914) 332-7658
Administrator	Cliff	Konitz	c.konitz@verizon.net	(845) 297-5864
Golf	Steven	Abbattista	sabbattista@olace.com	(914) 919-3102

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