April ASHRAE Meeting

**Topic:** Refrigeration Night

**Presenters:** Peter Brennan and Mike Nohle

**When:** April 10th, 2017

**Where:**
- 5:30pm Dinner at SUNY Brockport
- Cooper Hall 113 Adams St Brockport
- 6:30pm Presentation
- 7pm tour at Allied Frozen Storage
- 260 State St Brockport, NY

**Cost:** $25.00

Please RSVP by noon Friday, April 7th to Tim Duprey

tim.duprey@pres-services.com

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PRESIDENT
Jeff Close, PE
(585) 289-6816
jeff.close@pres-services.com

PRESIDENT ELECT
Bill Clark, PE
(585) 303-0729
william.clark@DayAutomation.com

VICE PRESIDENT
TREASURER
Paul Kenna, PE
(585) 261-0558
pkenna@nrgr-concepts.com

SECRETARY
Tom Streber, PE
(585) 272-9450
tstreber@jwswnason.com

Board of Governors
Tim Duprey (3)
(585) 330-6430
tduprey@rochester.rr.com
Branden Farnsworth-Weinblatt, PE (3)
(585) 364-1628
bfweinblatt@popligroup.com
Steve Dear (2)
(585) 325-1290
sdear@crosbybrownlie.com
Sam Scorson, PE (2)
(585) 429-3925 ext 3925
Samuel.Scorsone@wegmans.com
Mike Benedict (1)
(585) 490-2661
mike@airsystemsbalancing.com
George Herman (1)
(585) 219-5908
gw@hermanhvac.com

Committee Chairs

President
Jeff Close, PE
(585) 289-6816
jeff.close@pres-services.com

President Elect
Bill Clark, PE
(585) 303-0729
william.clark@DayAutomation.com

Treasurer
Paul Kenna, PE
(585) 261-0558
pkenna@nrgr-concepts.com

Secretary
Tom Streber, PE
(585) 272-9450
tstreber@jwswnason.com

CTTC
Jeff Wiedrick (585) 325-8354
jwiedrick@bergmannpc.com

Grassroots Government Advocacy
Tom Burke, PE (585) 429-3594
tom.burke@wegmans.com
George Herman (585) 219-5908
George@hermanhvac.com

Refrigeration Co-Chairs
Michael Nohle (585) 545-5522
mnohle@meiersupply.com
Sam Scorson, PE (585) 429-3925 ext 3925
Samuel.Scorsone@wegmans.com

Historian
Jake Hall (585) 869-5125
jhall@proairplus.com

Membership
Mike Benedict (585) 490-2661
mike@airsystemsbalancing.com

YEA
Matt Kremers (585) 398-8018
mkremers@mcsmms.com

Student Activities
Rob Hudson, PE (585) 341-3187
rhudson@ibceng.com

Education
Bill Murray, PE (585) 641-7121
bmurray@ec4b.com

Newsletter Editor
Scott Edwards (585) 301-6591
ashraerocnews@gmail.com

Attendance
Timothy Duprey (585) 330-6430
tduprey@rochester.rr.com

Publicity
Mark Kukla (585) 232-3440
mark@airsystemsbalancing.com

Research Promotion
Matt Devlin (585) 232-5135
mdevlin@bergmannpc.com

Webmaster
Steve Dear (585) 325-1290
sdear@crosbybrownlie.com

Nominating / Past President
Christina Walter (585) 486-2148
cmwalter@trane.com

Buyer’s Guide
Branden Farnsworth-Weinblatt, PE
(585) 364-1628
bfweinblatt@popligroup.com
SAVE THE DATE

ASHRAE will advance the arts and sciences of heating, ventilation, air conditioning, refrigeration and related human factors to serve the evolving needs of the public and ASHRAE members.

Mission Statement

ASHRAE will advance the arts and sciences of heating, ventilation, air conditioning, refrigeration and related human factors to serve the evolving needs of the public and ASHRAE members.

Vision Statement

- will be the global leader in the arts and sciences of heating, ventilation, air conditioning and refrigeration.
- will be the foremost, authoritative, timely and responsive source of technical and educational information, standards and guidelines.
- will be the primary provider of opportunity for professional growth, recognizing and adapting to changing demographics, and embracing diversity.

Shaping Tomorrow’s Built Environment Today
President’s April Message

April Newsletter 2017
President’s Message

Our meeting in March was on “ASHRAE Building Energy Quotient (bEQ)” presented by Hoy Bohanon, PE (ASHRAE Distinguished Lecturer). The turnout was great, thanks to everyone who attended.

On Monday, March 3rd, 2017 the Rochester ASHRAE Chapter attempted to host our 1st Annual ASHRAE Snow Day at Hunt Hollow. Unfortunately, mother nature had other plans. A special thanks to George Herman for organizing this event and hope that we can pull it off next year.

The Engineering Symposium in Rochester is scheduled for April 18, 2017 at the Hyatt Downtown. This even will offer multiple seminars that could total (7) professional development hours. ASHRAE is sponsoring the following (3) seminars; “Operating Room Air Distribution Solutions”, “Principles of Laboratory Design and Fume Hood Operation”, and “You Can’t Afford Discomfort”.

In April our Chapter Meeting will be touring “Allied Foods” in Brockport. The host for the night will be Pete Brennan with Crosby-Brownlie. Dinner is planned to follow at Brockport College.

Please continue to check out our website at www.rochester.ashraechapters.org for information on upcoming chapter meetings, current officer list and contact information, chapter newsletters, and more! Also take a minute and like us on Facebook at www.facebook.com/#!/ashraerochester.

Jeffrey Close, P.E.
2016-2017 President
Rochester Chapter
April Meeting Info

Please consider joining us for this upcoming monthly meeting and/or please forward this e-mail to anyone you may think would be interested in attending or benefit from this presentation.

April ASHRAE Meeting << PDH APPROVED>>

Date: Monday, April 10th, 2017

Location: SUNY Brockport & Allied Frozen Storage

Time:
5:30pm Dinner at SUNY Brockport 113 Adams St
6:30pm Presentation
7pm at Allied Storage 260 State St Brockport, NY

Cost: $25.00

Speakers: Peter Brennan and Mike Nohle

Topic: Refrigeration Tour

Note: (1) PDH {Approved}

Remember, as an option, we have on-line payments available via PayPal (no PayPal account required)

<< Pay for Meeting Registration online via PayPal >>

Use the following link: http://rochester.ashraechapters.org/meetings.html

Cash or check payment is still accepted at the door with your reservation.

Please RSVP no later than noon Friday April 7th to Tim Duprey
Phone: 585.330.6430 or e-Mail ... ASHRAERochester@gmail.com, tim.duprey@presservices.com or tduprey@rochester.rr.com.
April Meeting Info

113 Adams St, Brockport, NY 14420 to Allied Frozen Storage Inc

Drive 1.4 miles, 5 min

113 Adams St
Brockport, NY 14420

1. Head east on Adams St toward Kenyon St
   0.3 mi

2. Turn left onto Main St
   23 ft

3. Slight right onto Park Ave
   0.3 mi

4. Turn left to stay on Park Ave
   0.1 mi

5. Turn right onto State St
   Destination will be on the right
   0.6 mi

Allied Frozen Storage Inc
260 State St, Brockport, NY 14420
March’s ASHRAE Meeting featured ASHRAE Distinguished Lecturer Hoy Bohanon, PE on a discussion on Building Energy Quotient. The 50/50 Raffle was won by Scott Edwards and his winnings was donated back to Research Promotion.
Job Postings & Help Wanted

This section of the newsletter is reserved for those firms wishing to advertise their desires to hire from the Chapters Membership.

If you are interested in utilizing this FREE service provided by the Rochester Chapter, please contact our Chapter President, Jeff Close at (585) 289-6816 or by email jeff.close@pres-services.com.

This service is available to ASHRAE members for any local firm in our industry looking for knowledgeable persons in the HVAC&R industry.

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Presidential Award Of Excellence

Chapter: ROCHESTER
Fiscal Year: 2016-2017

<table>
<thead>
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<th>Category</th>
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<th>Min Points</th>
<th>Total Points</th>
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<td>RP</td>
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<td>800</td>
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<tr>
<td>Student Activities</td>
<td>500</td>
<td>300</td>
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Like us on Facebook!

Visit our new Facebook page by searching for “ASHARE Rochester” on Facebook. Any ideas for additions or improvements email to Mark Kukla at mark@airsystemsbalancing.com. Keep up to date with current events and photos from recent meetings.
ASHRAE Technology Awards

The deadline for Chapter level ASHRAE Technology Awards is fast approaching. ASHRAE Technology Awards recognize outstanding achievements by members who have successfully applied innovative building design in the areas of occupant comfort, indoor air quality and energy conservation.

Awards are presented in six categories for new and existing facilities:
- Commercial Buildings (New, Existing, EBCx)
- Institutional Buildings (New, Existing, EBCx)
  - Educational Facilities
  - Other Institutional
- Health Care Facilities (New, Existing, EBCx)
- Industrial Facilities or Processes (New, Existing, EBCx)
- Public Assembly Facilities (New, Existing, EBCx)
- Residential

Judging is based on the merits of Energy Efficiency, IAQ and Thermal Comfort, Innovation, Operation and Maintenance, Cost Effectiveness, Environmental Impact and Quality of Presentation.

Chapter level award applications require only a one-page application, a schematic and a short narrative.

First place winners in each of the six categories at the chapter level will be submitted for judging in the regional awards competition.

Awards are intended for built projects and as such must have been occupied prior to September 1st, 2016 to be eligible.

The following link includes additional details about the awards program:

https://www.ashrae.org/membership--conferences/honors--awards/technology-awards-program-overview

Please consider representing the Rochester Chapter of ASHRAE by submitting your project to the chapter for consideration before May 1, 2017. Email jwiedrick@bergmannpc.com with any questions, to receive an application form, for a sample application or any other concerns.
Membership Promotion

ASHRAE Rochester Chapter- Membership Promotion
We have new members, if you have an opportunity, please welcome them!
  Cody Jones
  Dyllyn Salathiel
  Chris Sprague
  James Parks
  Cody Stevens
  Scott Prindle
  Art Wroblewski
  Stephanie Samuel
  Donald Lucas
  Travis DeWeese
  Melissa Gilbert

Thank you, and as always, thank you for your support for ASHRAE.
Sincerely,

Membership Promotion
Join Online
ashrae.org/membership

ASHRAE Rochester Chapter
Rochester.ashraechapters.org

Michael Benedict
(585) 490-2661
mike@airsystemsbalancing.com
Student Activities

Opportunities for ASHRAE Student Members

One of the fundamental goals of ASHRAE is to provide opportunities for young Student Members to learn and grow.

Among these opportunities is an Undergraduate Grant, available to college students to use for funding various projects. This allows students to find new solutions to problems while significantly contributing to the ASHRAE Society as a whole.

Locally, this funding has been utilized by Rochester Institute of Technology to support their project studying “Biothermal Heating of Greenhouses with Thermal Storage for Northern Climates.” Specifically, the project team will be designing and building a greenhouse heated using thermal energy from compost. The undergrad design team includes six RIT students from the Mechanical Engineering, Electrical Engineering and Industrial Engineering Departments. This is part of their Senior Design Project and will be displayed at various campus events when completed.

A link to the ASHRAE Undergraduate Grant website is listed below:

https://www.ashrae.org/membership--conferences/student-zone/scholarships-and-grants/about-undergraduate-program-equipment-grants

Want to learn more about Student Membership and Opportunities to reach out to the future engineers in our community? Please reach out to me directly at rhudson@ibceng.com.

Rob Hudson, PE
Student Activities Chair
Young Engineers in ASHRAE

Leadership Weekend in Denver

YEA Leadership Weekend was March 3-5 in Denver. Below are reports from (2) of our local engineers and their experiences in attending:

There are a lot of good things to say about this program. The speaker Ralph Kison was fantastic and has obviously been very successful doing what he does for a long time. He is a great professional coach and had a lot of good insight to share. We learned about our own personalities and how to effectively work with others that may have very different personalities.

We also discussed what makes a business successful in general, and how we can become the next leaders of our industry. The difference between a leader and a manager is important, and can make all the difference when it comes to level of success individually and as a company.

The social aspect of the weekend was definitely a plus. We met a lot of good people from all over the county. Great networking experience!

Dave Zimmer, EIT
PRES Energy | Project Engineer

By being given the privilege to attend the ASHRAE YEA Leadership Weekend in Denver, I was able to gain invaluable knowledge and insight that will help me to move my career in a positive direction. The program focused on identifying various personality types and applying techniques to effectively and efficiently collaborate and coordinate. Highlights include:

- Meeting young engineers from all corners of the United States, specializing in consulting, product development, sales, and construction management.
- Doing exercises to recognize personal strengths and weaknesses, and then determining how these attributes may impact working with others.
- Exploring downtown during a team scavenger hunt that facilitated teamwork and creativity.
- Sharing work-related and non-work-related experiences with peers to help gain perspective from an unfamiliar point of view.
- Admiring the scenic backdrop of 14,000-foot mountains always within view
- The cookies at the hotel.

I very much enjoyed my time at YLW, and feel I can use many of the skills and insights gained from the weekend both right away and in the more distant future. I am very appreciative of the opportunity to participate in the event, and I would like to thank the members of ASHRAE, especially in the Rochester Chapter, for making this possible, as well as the chapter chairs who had a direct role in helping me attend.

Mike Dobbertin
Turner Engineering | Project Engineer
Research Promotion

Springtime is fast approaching and the 2016-2017 Fundraising Campaign will be coming to a close in a little over 2 months. Don’t miss out on supporting this year’s campaign and helping our chapter meet our RP goal for 2016-2017, visit the website at the bottom of this page to make a contribution. We have already received over $12,000 in donations this year, but still have a ways to go to meet our chapter goal of $19,000. As always, I would like to extend my sincerest thanks to you for your support of ASHRAE Research. It’s because of your support that ASHRAE is able to fund more than 80 research projects world wide, including some within our region.

We are in the planning phase for our 2nd Annual Trap/Skeet shoot to support ASHRAE Research. We are working on securing a date for this years event, details and a save the date will be coming out within the next month. We hope you can join us at this wonderful event.

Thanks again for all your support and I look forward to seeing you at the next Rochester Chapter Meeting.

Matt Devlin, CEM, CPMP

RP Chair

www.ashrae.org/contribute


**MONDAY, MAY 8, 2017**  
ASHRAE Picnic / Golf Tournament  
To be held at  
Ravenwood Golf Course  
Reservation Deadline is... **April 28, 2017**

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**RAVENWOOD**  
GOLF CLUB  

Ravenwood Golf Course  
929 Lynaugh Road  
Victor, NY 14564

- Golf Registration: 9:30 – 10:45  
- Juice, Scones and Coffee Served: 11:00 am - Shotgun Start

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**Picnic: 4:00 PM-7:30 PM**  
- Cocktails & Hors d’oeuvres: 4:00-5:30 PM  
- Dinner: 5:30 PM – 7:30 PM  
- **Dinner Catered By:**  
  Dinosaur Bar B Que at Ravenwood Golf Club

**Four Man Scramble and Optional Skins Game**  
Golf includes:  
- Golf  
- Cart  
- Driving Range  
- Prizes  
- Beer & food at the turn

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**NO TICKETS WILL BE SOLD OR DISTRIBUTED AT THE DOOR!**  
**TICKETS WILL BE MAILED TO YOU OR CAN BE PICKED UP AT THE R.F. PECK CO., INC.**

---

*Please include check and make payable to:  
“ASHRAE – Rochester Chapter”*

Return this form...  
Mail prior to **April 28, 2017** to:  
Attention: Kacie Hoffman  
R.F. Peck Co., Inc.  
889 Atlantic Avenue  
Rochester, New York 14609

*Any questions, call (585) 697-0839 ext. 105  
Email: khoffman@rfpeck.com*

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**Ticket Request Form**

<table>
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<tr>
<th>Event</th>
<th>Fee Amount Each</th>
<th># Attending</th>
<th>Total</th>
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<tr>
<td>Golf</td>
<td>$95.00</td>
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<tr>
<td>Picnic</td>
<td>$55.00</td>
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<td>$</td>
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<tr>
<td><strong>OR:</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Golf and Picnic (SAVE $10.00)</strong></td>
<td>$140.00</td>
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<td>$</td>
</tr>
</tbody>
</table>

Total amount enclosed: $
2016 ASHRAE PICNIC SPONSORSHIP FORM

Monday May 8, 2017

Ravenwood Golf Club
929 Lynaugh Road
Victor, NY 14564
11:00 AM – 4:00 PM - Golf
4:00 PM – 7:30 PM - Picnic

Picnic: 4:00 PM-7:30 PM
Cocktails & Hors d’oeuvres 4:00-5:30 PM
Dinner: 5:30 PM – 7:30 PM
Dinner Catered By: Dinosaur Bar B Que
at Ravenwood Golf Club

Thank you in advanced for supporting this long standing ASHRAE Rochester Chapter tradition.

Please include check (on notes put what sponsorship you made) and make payable to: ASHRAE Rochester Chapter

Mail to:
Attention: Jim Browe
RF Peck Company, Inc.
889 Atlantic Ave.
Rochester, NY 14609
Any questions, call Jim at (585) 697-0836 ext. 101
Email: jbrowe@rfpeck.com

Please fill out so we can correctly recognize you or your company:

Company: _____________________________
or
Individual Name: _____________________________
Address: ___________________________________________
City: __________ State: __________ Zip: __________
Phone: (Work) ___________ (Home) ___________

<table>
<thead>
<tr>
<th>Sponsorship Form</th>
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<td>Sponsorship</td>
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<td>Major Door Prize Sponsor – Gift/Item or Cash Donation- $200 or more.</td>
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<td>Gold - $250.00 - Hole Sponsorship and Recognition at Picnic</td>
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<td>Silver - $150.00 - Hole Sponsorship</td>
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<td>Bronze - $100.00 - Recognition at Picnic</td>
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<td>Prize Sponsor - $175.00 - Longest Drive</td>
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<td>Prize Sponsor - $175.00 - Closest to Pin</td>
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<td>Total Check Amount:</td>
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# Board of Governors Meeting Minutes

**Rochester Chapter - ASHRAE**

**Board of Governors Meeting**

**March 10, 2017 @ 7:30 AM**

**Day Automation, 7931 Rae Blvd, Victor, NY 14564**

(Call in #1-712-432-0360, Access: 137504#)

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>President / CRC Delegate</td>
<td>Jeff Close</td>
<td>X</td>
</tr>
<tr>
<td>President Elect / Program/ CRC Alternate</td>
<td>Bill Clark</td>
<td>X</td>
</tr>
<tr>
<td>Treasurer</td>
<td>Paul Kenna</td>
<td>X</td>
</tr>
<tr>
<td>Secretary</td>
<td>Tom Streber</td>
<td></td>
</tr>
<tr>
<td>Immediate Past President &amp; Nominating</td>
<td>Chris Walter</td>
<td>X</td>
</tr>
<tr>
<td>Board of Gov. (3) &amp; Attendance Chair</td>
<td>Tim Duprey</td>
<td>phone</td>
</tr>
<tr>
<td>Board of Gov. (3) / Buyers Guide</td>
<td>OPEN</td>
<td></td>
</tr>
<tr>
<td>Board of Gov. (2) &amp; Refrigeration Co-Chair</td>
<td>Sam Scorsonne</td>
<td></td>
</tr>
<tr>
<td>Board of Gov. (2) &amp; Website Chair</td>
<td>Steve Deor</td>
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</tr>
<tr>
<td>Board of Gov. (1) &amp; Membership Promotion (MP)</td>
<td>Mike Benedict</td>
<td>X</td>
</tr>
<tr>
<td>Board of Gov. (1)</td>
<td>George Herman</td>
<td>X</td>
</tr>
<tr>
<td>Historian Chair</td>
<td>Jake Hall</td>
<td></td>
</tr>
<tr>
<td>Newsletter Editor</td>
<td>Scott Edwards</td>
<td></td>
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<tr>
<td>Resource Promotion Chair (RP)</td>
<td>Matt Devlin</td>
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</tr>
<tr>
<td>Awards &amp; Recognition Chair</td>
<td>Al Rodgers</td>
<td></td>
</tr>
<tr>
<td>Chapter Technology Transfer Chair (CTTC)</td>
<td>Jeff Wiedrick</td>
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<tr>
<td>Education</td>
<td>Bill Murray</td>
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<tr>
<td>Publicity</td>
<td>Mark Kukla</td>
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<tr>
<td>YEA Chair (Young Engineers in ASHRAE)</td>
<td>Matt Kremers</td>
<td>phone</td>
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</table>
Board of Governors Meeting Minutes

Rochester Chapter - ASHRAE
Board of Governors Meeting
March 10, 2017 @ 7:30 AM
Day Automation, 7931 Rae Blvd, Victor, NY 14564
(Call in #1-712-432-0360, Access: 137504#)

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Phone</th>
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<tbody>
<tr>
<td>Student Activities Chair (SA)</td>
<td>Rob Hudson</td>
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<tr>
<td>Picnic/Golf Chair &amp; CRC 2016 Committee Chair</td>
<td>Jim Browe</td>
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<tr>
<td>Valentino’s Dinner Dance</td>
<td>Jody McGarry</td>
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<tr>
<td>Grassroots Government Advocacy Chair</td>
<td>Tom Burke</td>
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<tr>
<td>Refrigeration Co-Chair</td>
<td>Mike Nohle</td>
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<tr>
<td>Women in ASHRAE</td>
<td>Jaimee Wilson</td>
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<tr>
<td>Attendance Co-Chair</td>
<td>Brett Fryover</td>
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</tr>
</tbody>
</table>

Meeting Minutes

1. Call to Order                                 Jeff Close
2. Roll Call                                     Tom Streber
3. Review and Approval of Previous Meeting Minutes All
4. Treasurer (as of 2/9)                          Paul Kenna
   - Main Checking = $30,480.31
   - Paypal Checking = $4,444.65
   - Charles Lynch Fund = $41,978.62
5. President Elect/Program                       Bill Clark
   - MAR = DL speaker, Hoy Bohanon
   - Submit DL speaker evaluation
6. Attendance                                    Tim Dupreay
   - 55 attendees at February meeting.
     i. 19 non-members attending.
     ii. 5 first time visitors.
   - ~45 current reservations for March meeting.
Board of Governors Meeting Minutes

Rochester Chapter - ASHRAE
Board of Governors Meeting
March 10, 2017 @ 7:30 AM
Day Automation, 7931 Rae Blvd, Victor, NY 14564
(Call in #1-712-432-0360, Access: 137504#)

7. CTTC Report
   - Project submission by May 1, 2017.
   - Submit newsletter article on submission categories

8. Membership Report
   - 271 Total members (29 students)
   - Non-student Membership down (3) from February and down (5) from July 2016.
   - Membership upgrades up (30) from July 2016
   - New members to be included in newsletter distribution.

9. Student Activities Report
   - Scheduled meetings with MCC and RIT
   - Engineer's week went extremely well
   - Share list of student members contact information

10. Education Report
    - Scholarship
      i. Jeff to discuss with financial aid company about options
      ii. Jeff to review original scholarship intent and present options

11. YEA Report
    - Leadership weekend (3-attendees) - each will prepare a newsletter submission
    - Future site visit - ETL Lab in Cortland, date TPD (April)
    - Future Tech Session - Possibly June.

12. Awards & Recognition Report
    - 50 year member.
    - Possible Distinguished Service award - Pete Oppelt.
    - Looking for Realto Cherne nominee.

13. Resource Promotion Report
    - $12,020 Current vs. $19,000 Goal.
    - Track and Skeet shoot. Possible Wednesday in May.
    - “Matching Funds” deadline is end of March.
14. Refrigeration Report
   Mike Nohle/Sam Scorsone
   - 4/10 @ Allied Foods in Brockport w/ Pete Brennan
   - Dinner to follow @ Brockport State (Cooper Hall)

15. Grassroots Government Advocacy Report
    Tom Burke/George Herman
    - National Engineers’ Week (2/19-2/25) with proclamation letter.
    - Letter to be highlighted on website

    Scott Edwards
    - Committee submissions = (6) in March

17. Buyers Guide
    OPEN
    - Evaluating options:
      i. Business card ads in newsletter & website
      ii. Searchable list on website w/ PDF print option

18. Historian Report
    Jake Hall
    - Digitizing archive status.
    - Draft chapter timeline for publishing on website.
    - (2) New lifetime members - William Tallie and Alfred Rodgers.
      i. Upcoming newsletters to include a “questions and answers” section for each.

19. Publicity Report
    Mark Kukla
    - Facebook & Linked In.

20. Website Report
    Steve Dear/Kevin Wind
    - Monthly updates (schedule, newsletter, BOG MM’s)

21. Nominating Report
    Chris Walter
    - To be presented at March meeting.
    - Nomination ballot to be emailed out to members.

22. Women in ASHRAE
    Jaimee Wilson
    - 1st Wednesday Lunch - started on March 1st @ Distillery
    - April 1st @ Erdman Anthony - Book Club - Lean in
Board of Governors Meeting Minutes

Rochester Chapter - ASHRAE
Board of Governors Meeting
March 10, 2017 @ 7:30 AM
Day Automation, 7931 Rae Blvd, Victor, NY 14564
(Call in #1-712-432-0360, Access: 137504#)

23. Valentines Dinner Dance Report Jody McGarry
   - 110 attendees.
   - P&L

24. Golf/Picnic Report Jim Browe

25. Presidential Award of Excellence (PAOE)
   - 5 of 6 are above par. Approaching our 10,000 point goal.

26. New Business:
   - ASHRAE Ski Day - great attempt, poor weather (had 16 sign up)
   - ASHRAE Certified list

27. Old Business:
   - Engineering Symposium 4/18
   - RES Gala Sponsorship 4/8
   - President Elect Training - Bill Clark 4/8

28. Set next BOG Meeting date / time / place.
   - Friday, April 7th @ 7:30 AM, Day Automation Office

29. Adjourn - 8:35 am
Application for Student Membership

Join online at www.ashrae.org/students

At the student branch level, you’ll enjoy meeting other students with similar interests – if your school hasn’t yet started a student branch, take charge and contact a faculty member and ask for help on getting started!

Why ASHRAE?

• Discounts on publications, conferences, and continuing education opportunities
• Society and chapter-level scholarships for both undergraduate and graduate engineering students
• Discounts for student members on select publications
• Digital access to the monthly ASHRAE Journal and the quarterly High Performing Building Magazine
• Participate in events with your local ASHRAE Chapter
• Find internships and jobs at jobs.ashrae.org
• Senior Undergraduate Project Grant Program
• Discounted ASHRAE Annual and Winter Conference registration (AHR Expo, Student Program, Technical Sessions)
• Gain essential skills not taught in class
• Make great new friends!

Developing Economies Program for Students

Students who reside in countries categorized as “Low Income” and “Lower Middle Income” developing economies by the World Bank List of Economies statistics are eligible to participate in this program. Students in this program receive all the benefits of regular student membership, including online access to the ASHRAE Journal (digital access only - participants will not receive a monthly printed copy of the ASHRAE Journal).

Visit www.worldbank.org for a listing of qualified countries: Low Income and Low Middle Income only. If you currently reside in one of the countries listed in those categories, simply check the box marked ‘Developing Economies Program’ in the ‘Purchases’ section of this application.
ASHRAE Student Membership Application valid July 1, 2016 through June 30, 2017

1. Contact Information. □ Mr. □ Miss □ Ms. □ Mrs. *Birthday (required) ____________ / ____________ / ____________
Name ____________________________________________________________ (First) ____________________________________________ (Last)
Primary Address (where all correspondence will be mailed) Alternate Address
Address ____________________________________________________________ Address ____________________________________________________________
City __________________________ State/Province __________ City __________________________ State/Province __________
Zip/Postal ______________________ Country __________________________ Zip/Postal ______________________ Country __________________________
E-mail ____________________________________________________________ E-mail ____________________________________________________________
Phone: __________________ Phone: __________________
[ ] I would like to receive occasional student updates via email. [ ] I would like to participate in the __________________ ASHRAE Chapter.

2. Student Branch Information. School Name: ____________________________________________________________
Address: ____________________________________________________________
City: __________________________ State/Province: __________ Postal Code: __________

3. Education. Classification: Freshman □ Sophomore □ Junior □ Senior □ Masters/PhD. □
Full time □ Part time □ Degree: __________________________ Expected Graduation Date: __________________________
(MM/DD/YYYY)

4. Sponsor Information.
All student applicants must have the name and member number of an ASHRAE member serving as their student sponsor. If your Student Branch Advisor is an active Associate or Member of ASHRAE, he/she can serve as your sponsor. If you need assistance locating a sponsor, please email students@ashrae.org or call 678-539-1212. Also, you must list the name, phone and email address of your faculty advisor or course instructor.
Sponsor Name: __________________________ ASHRAE Member #: __________________________
Advisor/Instructor: __________________________ Email: __________________________

5. Purchases.
[ ] Student Membership- Regular: $20 [ ] Student Membership- Developing Economies Program (see reverse for qualifications) $10
[ ] Printed Edition of the current ASHRAE Handbook: [ ] I-P [ ] SI Student Member Price: $49.00
[ ] CD Version of the ASHRAE Handbook (Includes both I-P and SI Units) Student Member Price: $39.00
[ ] ASHRAE Handbook Online - One Year Subscription to all four volumes of the Handbook series: $33.00
*Additional publications are available at student member discounts at ashrae.org/studentbookstore

6. Payment. □ Visa □ Mastercard □ Amex □ Diner's Club □ Check/money order**
Card #: __________________________ Expiration Date: __________ / __________
Total Amount: __________________________ Signature: __________________________
CHECKS WILL BE ACCEPTED IN US AND CANADIAN FUNDS. CREDIT CARD PAYMENTS ACCEPTED IN US FUNDS ONLY
NEW Course! School of Hard Knocks: Controlling Moisture & Humidity in Buildings

Moisture Problems Are the Leading Cause of Insurance Claims for Buildings. ASHRAE's Web-Based Course Explains How to Avoid Them.

This course shows how dry buildings are healthier and more resilient, comfortable and energy-efficient than damp or moldy buildings. Dry buildings have better indoor air quality, and also cost less to operate, last longer, and hold less financial and professional risk for their designers and builders, given that moisture problems are the leading cause of claims against errors and omissions insurance of architects, engineers and contractors.

Based on decades of experience of designers, contractors and building owners, this course provides a wealth of lessons learned the hard way about moisture and humidity-related imperatives of design, both architectural and mechanical, and about moisture issues in construction and operation. The result of collaboration between the members of ASHRAE’s Technical Committee 1.12 (Moisture Management in Buildings) and the Indoor Environments Division of the U.S. Environmental Protection Agency, this course uses case histories to illustrate and summarize what works, what doesn’t and why.

Objectives:  https://elearning.ashrae.org/

After completing this course, you will be able to:

1. Understand why, how, where and when mold grows in buildings.
2. Understand 12 historically common reasons for moisture and humidity problems in buildings.
3. Understand 12 specific actions that can be taken by designers, contractors and building operators to avoid common moisture and humidity problems.

Price: $50 ($42 ASHRAE Member)

Professional Development Hours (PDHs): Earn 3PDHs
Two Ways To Register

1. Internet
   www.ashrae.org/onlinecourses

2. Phone
   Call toll-free at
   1-800-527-4723 (US and Canada) or
   404-636-8400 (worldwide)

NEW!  Complying with Standard 90.1-2016: Envelope/Lighting
Wed. April 5, 2017. 1:00 pm to 4:00 pm. EDT
Instructor: Joe Deringer, AIA, Member ASHRAE, LEED® AP

NEW!  Complying with Standard 90.1-2016: HVAC/Mechanical
Tues, April 11, 2017, 1:00 pm to 4:00 pm, EDT
Instructor: McHenry Wallace, P.E., Member ASHRAE, LEED® AP

NEW!  Complying with Standard 90.1-2016: Appendix G
Tues, April 18, 2017, 1:00 pm to 4:00 pm, EDT
Instructors: McHenry Wallace, P.E., Member ASHRAE, LEED® AP
and Joe Deringer, AIA, Member ASHRAE, LEED® AP

Air-to-Air Energy Recovery Fundamentals
Wed, May 3, 2017, 1:00 pm to 4:00 pm, EDT
Instructor: Paul Pieper, P.Eng., Member ASHRAE

Air-to-Air Energy Recovery Applications: Best Practices
Tues, May 9, 2017, 1:00 pm to 4:00 pm, EDT
Instructor: Paul Pieper, P.Eng., Member ASHRAE

Humidity Control: Basic Principles, Loads and Equipment
Tues, June 13, 2017, 1:00 pm to 4:00 pm, EDT
Instructor: Lew Harriman, Fellow ASHRAE
Online Courses Scheduled Later in the Year
Register Now to Reserve Your Seat

Humidity Control: Applications, Control Levels and Mold Avoidance
Tues, June 20, 2017, 1:00 pm to 4:00 pm, EDT
Instructor: Lew Harriman, Fellow ASHRAE

NEW! New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs
Tues, July 11, 2017, 1:00 pm to 4:00 pm, EDT
Instructor: Thomas Leck, Ph.D., P.E., Member ASHRAE

Advanced High-Performance Building Design
Wed, August 9, 2017, 1:00 pm to 4:00 pm, EDT
Instructor: Jeff Ross-Bain, P.E., Member ASHRAE

NEW! Fundamental Requirements of Standard 62.1-2016
Wed, September 6, 2017, 1:00 pm to 4:00 pm, EDT
Instructor: Hoy Bohanon, P.E., Member ASHRAE, BEAP, LEED® AP

Designing High-Performance Healthcare HVAC Systems
Tues, September 19, 2017, 1:00 pm to 4:00 pm, EDT
Instructor: Dan Koenigshofer, P.E., Member ASHRAE, HFDP

Laboratory Design: The Basics and Beyond
Tues, October 10, 2017, 1:00 pm to 4:00 pm, EDT
Instructor: John Varley, P.E., Member ASHRAE, HBDP, LEED® AP

Introduction to Ultraviolet Germicidal Irradiation (UVGI) Systems
Mon, October 16, 2017, 1:00 pm to 4:00 pm, EDT
Instructor: William Bahnfleth, Ph.D., P.E., Presidential/Fellow ASHRAE

NEW! Complying with Standard 90.1-2016
Part 1 - Wed, November 1, 2017, 1:00 pm to 4:00 pm, EDT
Part 2 - Tues, November 7, 2017, 1:00 pm to 4:00 pm, EST
(Registrants must attend both parts in order to receive credits)
Instructors: McHenry Wallace, P.E., Member ASHRAE, LEED® AP
and Joe Deringer, AIA, Member ASHRAE, LEED® AP

NEW! New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs
Tues, December 5, 2017, 1:00 pm to 4:00 pm, EST
Instructor: Thomas Leck, Ph.D., P.E., Member ASHRAE
Free ASHRAE Webcast 2017
Take Control: Using Analytics to Drive Building Performance

April 20, 2017 | 1:00 – 4:00 PM EDT

Participate in the upcoming FREE interactive ASHRAE Webcast to hear industry experts who will define the importance of, and why we should strive for, better building operations through improved controls and analytics. Viewers will be able to describe key elements of controls and analytics for building operations, and identify steps required to deploy analytics in building projects, including commissioning. This program will quantify how applying best practice controls improves building performance, and will recognize the value of analytics in building operations to achieve a reduced cost and increased performance.

This webcast program is brought to you by the ASHRAE Chapter Technology Transfer Committee.

How to Participate

- Host a webcast site for your colleagues.
- Register to view with others at a site near you.
- Register to view the live webcast on your PC.
- Register to view the On Demand webcast.
Registration

Online registration begins **March 20, 2017** at [www.ashrae.org/webcast](http://www.ashrae.org/webcast). There is no fee for registration.

Earn Continuing Education Credits

Three (3) Professional Development Hours (PDHs) may be awarded to participants who complete the Participant Reaction Form online by **May 5, 2017**.

The webcast program has been approved for three (3) HSW Learning Units (LU/HSW) by the American Institute of Architects (AIA), as well as three (3) Continuing Education Hours by GBCI. The state of New York also recognizes AIA course approval.

The Presenters

Tim Wentz, P.E., Fellow ASHRAE, HBDP  
2016 - 2017 ASHRAE President  
Lincoln, NE

Srinivas Katipamula, Ph.D., Fellow ASHRAE, FASME  
Staff Scientist  
Pacific Northwest National Laboratory  
Richland, WA

Mark Gallagher  
Manager – Building Services, Global Markets  
Armstrong Fluid Technology  
Toronto, ON, Canada

Jim Meacham, P.E.  
Founding Principal  
Altura  
Corona Del Mar, CA

Additional Information and Questions

For more information about the presenters, continuing education credits, and ASHRAE net zero resources, please visit [www.ashrae.org/webcast](http://www.ashrae.org/webcast). If you have questions, call (678)539-1200 or email [ashrae-webcast@ashrae.org](mailto:ashrae-webcast@ashrae.org).
2017 Annual Conference in Long Beach
Promotional Items for Chapters

We are looking forward to the 2017 Annual Conference in Long Beach. To help promote this event to your chapter please check out the available marketing materials, including website and social media images, as well as a printable flyer for chapter meetings: www.ashrae.org/longbeachmarketing.

SAVE THE DATE
April 20, 2017 | 1:00pm - 4:00 pm EDT

ASHRAE Webcast Media Kit

Registration for the FREE Annual Webcast opens March 20th at www.ashrae.org/webcast. The Webcast can serve as the perfect April event for your Chapter. And don't forget to spread the word to your peers who may not be members yet, viewing the Webcast is free for both Members and non-members!
HVAC Design: Level I – Essentials

**When:** May 22 - 24, 2017 | Hartford, CT  
**Cost:** $1,264 (ASHRAE Member: $1,009)

**Company Discount:** Enroll 3 or more participants from the same company at the same time and SAVE!

ASHRAE’s HVAC Design: Level I – Essentials provides intensive, practical training for HVAC designers and others involved in the delivery of HVAC services. In three days, gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use.

- Fundamentals
- Heating/Cooling Load Calculation
- System Selections
- HVAC System and Components
- Cooling System
- Basic Design of Hydronic Systems
- Basic Design of Air Systems
- Control/BAS

**BONUS!** Get a FREE copy of *STANDARD 189.1-2014* and *User’s Manual!* A $200 Value!
HVAC Design: Level II – Applications

When: May 25 - 26, 2017 | Hartford, CT
Cost: $854 (ASHRAE Member: $699)

Company Discount: Enroll 3 or more participants from the same company at the same time and SAVE!

Register for BOTH training sessions to save money and fast track your experience level!

ASHRAE's HVAC Design: Level II – Applications provides instruction on HVAC system designs for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. In two days, gain an in-depth look into Standards 55, 62.1, 90.1, 189.1 and the Advanced Energy Design Guides. Training will focus on a range of topics including: HVAC equipment and systems, energy modeling, designing a chiller plant, and BAS controls.

- Sustainability/Green/LEED/HPB/NZEB
- Standard 55
- Standard 62.1
- Building Systems: Education Facility
- System Applications: Chiller/Boiler, Air Handlers, VAV Terminals
- Life Cycle Cost
- Building Systems: Multi-story Office Building
- Water-to-Water GSHP Option 1 Chilled Beam with DOAS
- Water-to-Water GSHP Option 2 UFAD

CRC 2017 Announcement

August 17 - 18
Hyatt Regency
Islandia, NY
THE FIRE ISLAND TOUR
2017 CRC LONG ISLAND
AUGUST 18TH 2017

The Fire Island Lighthouse is located at the western end of the Fire Island National Seashore, just east of Robert Moses State Park. Take Robert Moses Causeway south to the end. At the Robert Moses water tower proceed east to Parking field #5. There is a parking fee at certain times of the year. Park on the east side of the parking field and follow the boardwalk right to the lighthouse.

Special events are listed below. May be we can request Seaside Story time for Friday.

AUGUST - 2017

- August 16th - Wednesday - Seaside Story Time
- August 19-20 - Saturday & Sunday - Amateur Radio Lighthouse Weekend
- August 23rd - Wednesday - Seaside Story Time
UNIQUE TOWER TOURS

- Special tours can be arranged for groups, including sunset tours. A minimum fee of $200 is needed to arrange a tour of up to ten individuals, plus $20 for each additional person.
- Maximum group size for tower tours cannot exceed 20 people.
- A tour is usually about 1 hour. People climb up to the tower and the history of the tower is being told during the visit.

Fire Island Light was an important landmark for transatlantic ships coming into New York Harbor at the turn of the last century. For many European immigrants, the Fire Island Light was their first sight of land upon arrival in America.

The first lighthouse built on Fire Island was completed in 1826. It was a 74-foot high, cream colored, octagonal pyramid made of Connecticut River blue split stone. The tower was built at the end of the island, adjacent to the inlet. This tower was not effective due to its lack of height. It was almost entirely removed and the stone reused to build the terrace for the present lighthouse. Today a circular ring of bricks and stone are all that remain of the original lighthouse. Due to the westward migration of sand along the beach, known as littoral drift, the inlet is now approximately six miles westward of this site.

EDUCATION

Trained volunteers conduct the tower tour and USEEE portions of the program. Every effort will be made to provide a guide for the nature walk segment. Based on volunteer availability, occasionally teachers may be asked to conduct this segment with the use of the self-guiding trail tour.
Region I Officers

Region I COMMITTEE CHAIR CONTACT INFORMATION

<table>
<thead>
<tr>
<th>Position</th>
<th>First</th>
<th>Last</th>
<th>Company</th>
<th>Address Line</th>
<th>City</th>
<th>State</th>
<th>Zip Code</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Region Director and Regional Chair</td>
<td>William</td>
<td>Walter</td>
<td>Carrier Corporation</td>
<td>6304 Thompson Rd</td>
<td>Syracuse</td>
<td>NY</td>
<td>13211</td>
<td>(315)432-6367</td>
<td><a href="mailto:rwalter@ashrae.net">rwalter@ashrae.net</a></td>
</tr>
<tr>
<td>Region Assistant Regional Chair</td>
<td>Joseph</td>
<td>Ferman</td>
<td>Automated Logic</td>
<td>16 Country Way</td>
<td>Wallingford</td>
<td>CT</td>
<td>06492</td>
<td>(203)678-2208</td>
<td><a href="mailto:jferman@ashrae.net">jferman@ashrae.net</a></td>
</tr>
<tr>
<td>Region Members Council Rep</td>
<td>Joseph</td>
<td>Ferman</td>
<td>Automated Logic</td>
<td>16 Country Way</td>
<td>Wallingford</td>
<td>CT</td>
<td>06492</td>
<td>(203)678-2208</td>
<td><a href="mailto:jferman@ashrae.net">jferman@ashrae.net</a></td>
</tr>
<tr>
<td>Region Treasurer</td>
<td>Darcy</td>
<td>Carbone</td>
<td>Stubble-Buff, Inc.</td>
<td>6 Damon Rd</td>
<td>Medford</td>
<td>MA</td>
<td>02155</td>
<td>(617)357-2567</td>
<td><a href="mailto:dcarbone@ashrae.net">dcarbone@ashrae.net</a></td>
</tr>
<tr>
<td>Region Grassroots Government Advocacy</td>
<td>Richard</td>
<td>Vehlow</td>
<td>BTVI OGIS Design</td>
<td>10 Catherine Pl</td>
<td>Latham</td>
<td>NY</td>
<td>12110</td>
<td>(518)474-2471</td>
<td><a href="mailto:rvehlow@ashrae.net">rvehlow@ashrae.net</a></td>
</tr>
<tr>
<td>Region Chapter Technology Transfer</td>
<td>Christopher</td>
<td>Pizzano</td>
<td>Thermoco</td>
<td>2225 Socrates Ave</td>
<td>Clifton</td>
<td>NJ</td>
<td>07012</td>
<td>(973)777-6700</td>
<td><a href="mailto:cpizzano@ashrae.net">cpizzano@ashrae.net</a></td>
</tr>
<tr>
<td>Region Membership Promotion</td>
<td>Leo</td>
<td>Fellman</td>
<td>(347)353-0161</td>
<td><a href="mailto:rlfellman@ashrae.net">rlfellman@ashrae.net</a></td>
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<td>Region Research Promotion</td>
<td>Andrew</td>
<td>Mano</td>
<td>Stony Brook University</td>
<td>17 Horton St</td>
<td>West Islip</td>
<td>NY</td>
<td>11795</td>
<td>(516)413-0124</td>
<td><a href="mailto:rmano@ashrae.net">rmano@ashrae.net</a></td>
</tr>
<tr>
<td>Region Student Activities</td>
<td>Steven</td>
<td>Sill</td>
<td>New York State Office of People with Developmental Disabilities</td>
<td>2936 State Route 104A</td>
<td>Stony Point</td>
<td>NY</td>
<td>10980</td>
<td>(845)208-4002</td>
<td><a href="mailto:ssill@ashrae.net">ssill@ashrae.net</a></td>
</tr>
<tr>
<td>Region Regional Historian</td>
<td>Stanley</td>
<td>Westhoff</td>
<td>Unitech Advanced Manufacturing LLC</td>
<td>18 San Mateo Dr</td>
<td>Garden City</td>
<td>NY</td>
<td>11530</td>
<td>(516)587-1949</td>
<td><a href="mailto:rwesthoff@ashrae.net">rwesthoff@ashrae.net</a></td>
</tr>
<tr>
<td>Region YEA</td>
<td>Chongni</td>
<td>Liu</td>
<td>NY</td>
<td>(515)956-6633</td>
<td><a href="mailto:rliu@ashrae.net">rliu@ashrae.net</a></td>
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<tr>
<td>Region Nominating Committee Member</td>
<td>Russell</td>
<td>Steiner</td>
<td>I &amp; S Services Inc</td>
<td>95 Stark St</td>
<td>Tonawanda</td>
<td>NY</td>
<td>14150</td>
<td>(716)931-4490</td>
<td><a href="mailto:rsteiner@ashrae.net">rsteiner@ashrae.net</a></td>
</tr>
<tr>
<td>Region Nominating Committee Alternate</td>
<td>Darcy</td>
<td>Carbone</td>
<td>Stubble-Buff, Inc.</td>
<td>6 Damon Rd</td>
<td>Medford</td>
<td>MA</td>
<td>02155</td>
<td>(617)357-2567</td>
<td><a href="mailto:dcarbone@ashrae.net">dcarbone@ashrae.net</a></td>
</tr>
<tr>
<td>Region CRC General Chair</td>
<td>Jim</td>
<td>Brown</td>
<td>(508)997-0036</td>
<td><a href="mailto:jbrown@ashrae.net">jbrown@ashrae.net</a></td>
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</table>

REGION I CHAPTER PRESIDENT CONTACT INFORMATION

<table>
<thead>
<tr>
<th>Chapter #</th>
<th>Chapter Name</th>
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<th>Zip Code</th>
<th>Phone</th>
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</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>BOSTON</td>
<td>William</td>
<td>Tang</td>
<td>BR+A Consulting Engineers</td>
<td>170 Clocktower Dr Unit 304</td>
<td>Waltham</td>
<td>MA</td>
<td>02452-7878</td>
<td>(617)392-8288</td>
<td><a href="mailto:c001@ashrae.net">c001@ashrae.net</a></td>
</tr>
<tr>
<td>003</td>
<td>RHODE ISLAND</td>
<td>Paul</td>
<td>Reddington</td>
<td>Victaulic Company</td>
<td>26 Prairie Crt</td>
<td>Manchester</td>
<td>NH</td>
<td>03102-4964</td>
<td>(603)878-9159</td>
<td><a href="mailto:c003@ashrae.net">c003@ashrae.net</a></td>
</tr>
<tr>
<td>004</td>
<td>CONNECTICUT</td>
<td>Brandon</td>
<td>Bradley</td>
<td>ABCO HVACR Supply &amp; Solutions</td>
<td>515 Old Tolland Trk</td>
<td>Coventry</td>
<td>CT</td>
<td>06238-1057</td>
<td>(203)325-9000</td>
<td><a href="mailto:c004@ashrae.net">c004@ashrae.net</a></td>
</tr>
<tr>
<td>006</td>
<td>LONG ISLAND</td>
<td>Donald</td>
<td>Kane</td>
<td>Nassau Suffolk Engineering &amp; Architecture</td>
<td>45 Swallow Ln</td>
<td>Brentwood</td>
<td>NY</td>
<td>11717</td>
<td>(631)737-1970</td>
<td><a href="mailto:c006@ashrae.net">c006@ashrae.net</a></td>
</tr>
<tr>
<td>007</td>
<td>NEW JERSEY</td>
<td>Darrie</td>
<td>Mercario</td>
<td>75 South St</td>
<td>Freehold</td>
<td>NJ</td>
<td>07723</td>
<td>(732)761-0108</td>
<td><a href="mailto:c007@ashrae.net">c007@ashrae.net</a></td>
<td></td>
</tr>
<tr>
<td>008</td>
<td>NEW YORK</td>
<td>Jose</td>
<td>Rodriguez</td>
<td>Wallace Engine Associates</td>
<td>779 Susan Mahanna Ave</td>
<td>Franklin Lakes</td>
<td>NJ</td>
<td>07417</td>
<td>(201)269-0082</td>
<td><a href="mailto:c008@ashrae.net">c008@ashrae.net</a></td>
</tr>
<tr>
<td>009</td>
<td>NORTHEAST</td>
<td>David</td>
<td>Houle</td>
<td>EME Consulting Engineering Group</td>
<td>292 Washington Avenue Ext Ste 109</td>
<td>Albany</td>
<td>NY</td>
<td>12203-6385</td>
<td>(518)862-0882</td>
<td><a href="mailto:c009@ashrae.net">c009@ashrae.net</a></td>
</tr>
<tr>
<td>010</td>
<td>CENTRAL NEW YORK</td>
<td>Mark</td>
<td>Ynnick</td>
<td>FW Webb Co</td>
<td>6792 Townline Rd</td>
<td>Syracuse</td>
<td>NY</td>
<td>13211</td>
<td>(315)476-9322</td>
<td><a href="mailto:c010@ashrae.net">c010@ashrae.net</a></td>
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<td>011</td>
<td>ROCHESTER</td>
<td>Jeffrey</td>
<td>Close</td>
<td>PRES Energy Engineering</td>
<td>3777 Dewey Rd</td>
<td>Shortsville</td>
<td>NY</td>
<td>14588-9725</td>
<td>(585)293-6016</td>
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<td>012</td>
<td>NIAGARA FRONTIER</td>
<td>Becca</td>
<td>Hognack</td>
<td>ECON Technologies</td>
<td>2640 Walden Ave</td>
<td>Buffalo</td>
<td>NY</td>
<td>14225</td>
<td>(716)433-4490</td>
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<td>CHAMPLAIN VALLEY</td>
<td>Blaine</td>
<td>Comer</td>
<td>Vermont Mechanical Inc.</td>
<td>1 School St Apt 6</td>
<td>Montpelier</td>
<td>VT</td>
<td>05602-2912</td>
<td>(802)343-8644</td>
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<td>MAINE</td>
<td>Rachel</td>
<td>Riley</td>
<td>Sweeney Rogers Genally Incorporated</td>
<td>215 E Grand Ave Apt 305</td>
<td>Old Orchard Beach</td>
<td>ME</td>
<td>04064-3028</td>
<td>(207)460-0076</td>
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<td>TWIN TOWNS</td>
<td>Travis</td>
<td>Fisher</td>
<td>Cornell University</td>
<td>51A Goodrich Rd</td>
<td>Oewgo</td>
<td>NY</td>
<td>13827</td>
<td>(607)255-5608</td>
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<td>BI-STATE</td>
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<td>Smith</td>
<td>33 Beach Rd</td>
<td>Ossining</td>
<td>NY</td>
<td>10562-3201</td>
<td>(914)741-1290</td>
<td><a href="mailto:c146@ashrae.net">c146@ashrae.net</a></td>
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<td>152</td>
<td>GRANITE STATE</td>
<td>Paul</td>
<td>Bemis</td>
<td>Applied Math Modeling Inc</td>
<td>75 S Main St Unit 7 PMB 144</td>
<td>Concord</td>
<td>NH</td>
<td>03301</td>
<td>(603)365-6505</td>
<td><a href="mailto:c152@ashrae.net">c152@ashrae.net</a></td>
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Email Address: c001@ashrae.net; c003@ashrae.net; c004@ashrae.net; c006@ashrae.net; c007@ashrae.net; c008@ashrae.net; c010@ashrae.net; c011@ashrae.net; c012@ashrae.net; c111@ashrae.net; c119@ashrae.net; c146@ashrae.net; c152@ashrae.net
### REGION I CHAPTER NEWSLETTER CONTACT INFORMATION

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<td>Deanna</td>
<td>Adkison</td>
<td>AKF Group</td>
<td>197 Lohrnp St</td>
<td>Beverly, MA</td>
<td>01915-3763</td>
<td>(617)535-8230</td>
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<td>CONNECTICUT</td>
<td>Nichole</td>
<td>Petersen</td>
<td>Flow Tech Inc</td>
<td>10 Bidwell Rd</td>
<td>South Windsor, CT</td>
<td>06074-2412</td>
<td>(860)291-8886</td>
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<td>LONG ISLAND</td>
<td>Liset</td>
<td>Cordero</td>
<td>MG Engineering DPC</td>
<td>170 Horton Ave</td>
<td>Valley Stream, NY</td>
<td>11581-1439</td>
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<td>007</td>
<td>NEW JERSEY</td>
<td>Adele</td>
<td>Glaser</td>
<td>Trane</td>
<td>19 Chapin Rd Bldg B Suite 200</td>
<td>Pine Brook, NJ</td>
<td>07088-9385</td>
<td>(973)244-7731</td>
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<td>Scott</td>
<td>Edwards</td>
<td>Johnson Controls</td>
<td>31 Barkwood Ln</td>
<td>Spencerport, NY</td>
<td>14559-2249</td>
<td>(585)301-6591</td>
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<td>NIAGARA FRONTIER</td>
<td>Varun</td>
<td>Kulkarni</td>
<td>Zehnder Rittling</td>
<td>100 Rittling Blvd</td>
<td>Buffalo, NY</td>
<td>14220-1885</td>
<td>(405)365-1928</td>
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<td>TWIN TIERS</td>
<td>Andrew</td>
<td>Nice</td>
<td>Meier Supply Co.</td>
<td>275 Broome Corporate Pkwy</td>
<td>Conklin, NY</td>
<td>13748-1511</td>
<td>(607)797-7709</td>
<td><a href="mailto:c129ne@ashrae.net">c129ne@ashrae.net</a></td>
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**Email Address:**
c001ne@ashrae.net; c003ne@ashrae.net; c004ne@ashrae.net; c006ne@ashrae.net; c007ne@ashrae.net; c008ne@ashrae.net; c010ne@ashrae.net; c011ne@ashrae.net; c012ne@ashrae.net; c111ne@ashrae.net; c118ne@ashrae.net; c129ne@ashrae.net; c146ne@ashrae.net; c152ne@ashrae.net

### REGION I CHAPTER WEBMASTER CONTACT INFORMATION

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<td>001</td>
<td>BOSTON</td>
<td>Kevin</td>
<td>Doby</td>
<td>VicTaulic</td>
<td>12 Mohawk St Unit 9</td>
<td>Boston, MA</td>
<td>02127-3594</td>
<td>(484)523-8908</td>
<td><a href="mailto:c001web@ashrae.net">c001web@ashrae.net</a></td>
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<td>007</td>
<td>NEW JERSEY</td>
<td>Dorrie</td>
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<td>V &amp; R Group</td>
<td>75 South St</td>
<td>Freehold, NJ</td>
<td>07728-2317</td>
<td>(732)761-0108</td>
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<td>008</td>
<td>NEW YORK</td>
<td>Gaspar</td>
<td>Cabrera</td>
<td>Y &amp; G</td>
<td>163 W 23rd St</td>
<td>New York, NY</td>
<td>10011-2465</td>
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<td>ROCHESTER</td>
<td>Stephen</td>
<td>Dear</td>
<td>Crosby Brownie Inc</td>
<td>100 Nassau St</td>
<td>Rochester, NY</td>
<td>14605-1955</td>
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<td>NIAGARA FRONTIER</td>
<td>James</td>
<td>Price</td>
<td>1021 Klein Rd</td>
<td>Williamsburg, NY</td>
<td>14221-1923</td>
<td>(716)645-5516</td>
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<td>MAINE</td>
<td>Stephan</td>
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<td>SHRT</td>
<td>144 Fore St</td>
<td>Portland, ME</td>
<td>04101-4843</td>
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<td><a href="mailto:c110web@ashrae.net">c110web@ashrae.net</a></td>
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<td>129</td>
<td>TWIN TIERS</td>
<td>Michael</td>
<td>Colwell</td>
<td>Tri Cities Temperature Cnt Inc</td>
<td>122 Park Ave</td>
<td>Binghampton, NY</td>
<td>13903-3227</td>
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<td><a href="mailto:c129web@ashrae.net">c129web@ashrae.net</a></td>
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