

# ASHRAE Rochester



VOLUME 12, ISSUE 2

OCTOBER, 2017

## INSIDE THIS ISSUE:

Officer / Committee List	2
Events Calendar	3
President Msg	4
Monthly Meeting Info	5
Highlights from September	6
Job Postings & PAOE to date	7
Committee Updates	8
BOG Meeting Minutes	10
Student Membership	14
Winter Conference Info	18

## October ASHRAE Meeting

**Topic:** Life Safety Dampers (Fire & Smoke)

**Presenter:** Travis Kreft, Greenheck Dampers

**When:** Monday October 16th, 2017 at 12pm

**Where:** City Grill  
384 East Ave, Rochester

**Cost:** \$25.00



Please RSVP by noon Friday, October 13th to Bret Fryover  
[fryoverb@erdmananthony.com](mailto:fryoverb@erdmananthony.com)

Or

[ASHRAERochester@gmail.com](mailto:ASHRAERochester@gmail.com)

PDH Approved!

Statements made in this publication are not expressions of the Society or of the chapter and may not be reproduced without special permission of the chapter.



## Chapter Officers

### President

William J. Clark  
(585) 303-0729  
william.clark@DayAutomation.com

### President Elect

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

### Treasurer

Tom Streber  
(585) 272-9450  
tstreber@jswanson.com

### Secretary

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

## Committee Chairs

### CTTC

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

### Grassroots Government Advocacy

Tom Burke (585) 429-3594  
tom.burke@wegmans.com

### Refrigeration Co-Chairs

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

### Historian

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

### Membership

George Herman (585) 219-5908  
george@hermanhvac.com

### YEA

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

### Student Activities

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

## Board of Governors

Steve Dear (3)  
(585) 325-1290  
sdear@crosbybrownlie.com

Sam Scorsone, PE (3)  
(585) 429-3925  
Samuel.scorsone@wegmans.com

George Herman (2)  
(585) 219-5908  
George@hermanhvac.com

Marjani Wilson (1)  
(585) 402-7069  
mwilson@labellapc.com

Jeff Wiedrick (1)  
(585) 325-8354  
jwiedrick@bergmannpc.com

Matt Kremers (1)  
(585) 398-8018  
mkremers@mcsmm.com

### Education

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

### Newsletter Editor

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

### Attendance

Bret Fryover (585) 427-8888  
fryoverb@erdmananthony.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

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

### Buyer's Guide

TBD

# SAVE THE DATE

We are still working on programs for the year, but save the date!

ASHRAE 2017-2018 Meeting Schedule			
Date	Event	Theme	Location
Monday, 10/16/2017	"Life Safety Dampers" (Fire and Smoke) <i>Presented By: Travis Kreft from Greenheck Dampers</i>	PDH Approved	City Grill @ 12:00 PM
Monday, 11/13/2017	TBD	History Review (PDH Pending)	City Grill @ 12:00 PM
Monday, 12/11/2017	"Overview of Refrigeration Compressors" <i>Presented By: Michael Collins, Eagle Bay Refrigeration</i>	Refrigeration Night	City Grill @ 12:00 PM
		Resource Promotion	
		PDH Approved	
Monday, 1/8/2018	TBD	(PDH Pending)	City Grill @ 12:00 PM
TBD - Feb 2018	ASHRAE Valentines Dinner Dance	---	
Monday, 2/12/2018	TBD	Membership Promotion (PDH Pending)	City Grill @ 12:00 PM
Monday, 3/12/2018	TBD	Resource Promotion (PDH Pending)	City Grill @ 12:00 PM
Monday, 4/9/2018	TBD	Refrigeration Night (PDH Pending)	City Grill @ 12:00 PM
TBD - May 2018	Annual Picnic / Golf Outing	---	11:00 AM Golf 5:30-8:00 Picnic

## 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.



Shaping Tomorrow's  
Built Environment Today

## Vision Statement

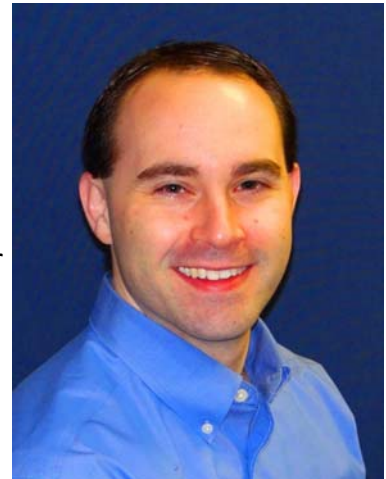
- will be the global leader in the arts and sciences of heating, ventilation, air conditioning and refrigeration.
- will be the foremost, authoritative, timely and responsive source of technical and educational information, standards and guidelines.
- will be the primary provider of opportunity for professional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

# President's October Message

October Newsletter 2017  
President's Message

We kicked off the 2017-2018 ASHRAE program year on Monday, September 18<sup>th</sup> with our annual Clambake at the Burgundy Basin Inn. Thank you to everyone that attended. Thomas Lawrence, Ph. D. from the University of Georgia presented on "The Coming of Age of a Smart Grid and Smart Buildings." Dr. Lawrence is an ASHRAE Distinguished Lecturer that we were fortunate to have come visit us. It was very interesting to learn how the smart grid will interact with our buildings and systems.

On August 17-19, 2016, Jeff Close (Delegate) and I (Alternate) attended the ASHRAE Centralized Regional Conference (CRC) for Region I hosted by the Long Island chapter. The conference was very informative for us to have another successful year. At the conference, the Presidential theme: "Extending Our Community" put together by Society President Bjarne Olesen was presented. His message focused on three directives. First is to extend our global community. Second is to extend our technological horizons. Third is to extend our value to members. The Rochester Chapter of ASHRAE will work to support these directives this year through our chapter program and events. If you have any suggestions for how we can better serve you please us know.



**Bill Clark, 2017-2018 President**

Please continue to check out our website at [www.rochester.ashraechapters.org](http://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](https://www.facebook.com/#!/ashraerochester).

Bill Clark, P.E., CEM  
2017-2018 President  
Rochester Chapter

# October 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.

## October ASHRAE Meeting << PDH APPROVED!>>

**Date:** Monday, October 16, 2017

**Location:** City Grill

**Time:** 12:00 PM Lunch Buffet ... Presentation to start approx. 12:30pm

**Cost:** \$25.00

**Speaker:** Travis Kreft from Greenheck Dampers

**Topic:** Life Safety Dampers (Fire & Smoke)

**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 October 13th to Bret Fryover  
Phone: 585.563.5152 or e-Mail ... [ASHRAERochester@gmail.com](mailto:ASHRAERochester@gmail.com) or [fryoverb@erdmananthony.com](mailto:fryoverb@erdmananthony.com)

# Highlights from September ASHRAE Meeting

*The Rochester Chapter came away with many awards for the 2016-2017 year. The awards were handed out during the August Region I CRC in Long Island.*



*(Left) Jeff Close presents certificate to Life Member Al Rodgers*



*(Left) Steve Maybeck, Jim Browe, Jodi Scott & Jeff Close*



*(Above) Jeff Close presents the Research Promotion certificate and award to Matt Devlin*



*(Left) Scott Edwards is presented with the Black Ink Award*



*(Right) Jeff Close presents Chris Hartmann with Participation Certificate*



*(Above) Bill Clark, Chapter Program Outstanding Performance Award*



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, Bill Clark at (585) 303-0729 or by email [william.clark@DayAutomation.com](mailto:william.clark@DayAutomation.com).

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

## Presidential Award Of Excellence



Download



Achievements



Report

Chapter:

Fiscal Year:

▶ Chapter Operations	Par: 1200	Min Points: 600	Total Points: 845
▶ Chapter Technology Transfer	Par: 1050	Min Points: 450	Total Points: 0
▶ Electronic Communications	Par: 500	Min Points: 250	Total Points: 50
▶ Grassroots Government Advocacy	Par: 650	Min Points: 500	Total Points: 50
▶ Historical Criteria	Par: 300	Min Points: 100	Total Points: 155
▶ Membership Promotion	Par: 800	Min Points: 500	Total Points: 770
▶ RP	Par: 1050	Min Points: 800	Total Points: 0
▶ Student Activities	Par: 500	Min Points: 300	Total Points: 100

## 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](mailto:mark@airsystemsbalancing.com). Keep up to date with current events and photos from recent meetings.



## ***Research Promotion Report***

We are off to a great start for our 2017-2018 campaign to support ASHRAE Research. A big thanks to Gray Metal Products for renewing their Golden Circle level support at the beginning of the campaign to start us off right! Currently we have received \$10,450 of our 20,500 goal! This is a great start, but with our goal increasing 5% over last year, we still have a ways to go to raise the funding necessary to meet our organization's research needs which are so vital to our industry. This month, I'd like to highlight the importance of where our research funding comes from, and what it supports.

### **HOW IS ASHRAE RESEARCH USED?**

- Update the Society's standards and guidelines
  - Special ASHRAE publications
- Articles published in the ASHRAE Journal

### **HOW IS MONEY RAISED?**

- Personal contact made by volunteers
- Special contracts with major donors
  - Direct solicitation of ASHRAE members at the time of dues billing

### **WHAT FUNDS ASHRAE RESEARCH?**

- Contributions from members and corporations
  - A percentage of member dues
- Income from the ASHRAE cosponsored AHR Expo
- Interest earned on the Research Reserve and ASHRAE Foundation

### **HOW DOES ASHRAE RESEARCH HELP ME?**

- Decreasing the spread of airborne diseases
- Conserving energy in hot and humid climates
- Understanding the relationship between occupant health and ventilation rates
  - Decreasing the risk of spoiled food

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

Matt Devlin, EIT, CEM, CPMP

RP Chair

[www.ashrae.org/contribute](http://www.ashrae.org/contribute)



## **ASHRAE Student Activities – An Introduction to Engineering**

Last year we had several volunteers who spoke to high school students about Engineering and our careers. This was met with great success and gratitude from the students and their teachers. Our goals this year is to expand our reach to a few more schools and educate as many students as possible.

It is time to reach out to identify ASHRAE community members who are passionate about Engineer and ASHRAE. By giving them an opportunity to interact with ASHRAE members, we can help them determine the answer to a very valuable question: “Is engineering something I may be interested in?” The answer may be “yes”, but the answer will also be “no” from most of the students, and both answers are equally important to each students’ development. From there, we may spark something in a handful of students who wish to learn more about engineering, maybe even HVAC.

Please contact me if you are interested in presenting, or if you have other ideas/opportunities that the ASHRAE community can use to help the next generation of engineers. Always be teaching your replacement!

See everyone at the monthly meetings,

Rob Hudson, PE, CEM, BEMP

IBC Engineering and ASHRAE Student Activities Chair

[rhudson@ibceng.com](mailto:rhudson@ibceng.com)



**Rochester Chapter - ASHRAE**  
**Board of Governors Meeting**  
**September 8, 2017 @ 7:30 AM**  
**Day Automation, 7931 Rae Blvd, Victor, NY 14564**

**Meeting Minutes**

X	Bill Clark	President / CRC Alternate
X	Paul Kenna	President Elect / Program
	Tom Streber	Treasurer
X	Mike Benedict	Secretary
	Jeff Close	Immediate Past President & Nominating / CRC Delegate
X	Sam Scorsone	Board of Gov. (3) & Refrigeration Co-Chair
	Steve Dear	Board of Gov. (3) & Website Chair
X	George Herman	Board of Gov. (2) & Membership Promotion Chair (MP)
X	Marjani Wilson	Board of Gov. (1) & Grassroots Government Advocacy Co-Chair
X	Jeff Wiedrick	Board of Gov. (1) & Chapter Technology Transfer Chair (CTTC)
X	Matt Kremers	Board of Gov. (1) & Young Engineers in ASHRAE Chair (YEA)
X	Brett Fryover	Attendance Co-Chair
X	Tim Duprey	Attendance Co-Chair
	Jake Hall	Historian Chair
	Scott Edwards	Newsletter Editor
X	Matt Devlin	Resource Promotion Chair (RP)
X	Rob Hudson	Student Activities Chair (SA)
	Al Rodgers	Awards & Recognition Chair
	Bill Murray	Education
	Mark Kukla	Publicity
	Jim Browe	Picnic/Golf Chair
		Buyers Guide
X	Jody McGarry	Valentine's Dinner Dance
	Mike Nohle	Refrigeration Co-Chair
	Tom Burke	Grassroots Government Advocacy Co-Chair
	Jaimee Wilson	Women in ASHRAE
	Michelle Sommerman	Women in ASHRAE

1. Call to Order Bill Clark
2. Roll Call Mike Benedict
3. Review and Approval of Previous Meeting Minutes All
  - Motion - Tim, Second - Paul
4. Treasurer Tom Streber
  - Current Statement Balances
  - 2017-2018 Budget
    - i. Budget items have been allocated for various committees and education, check for availability!
    - ii. Motion - Jeff, Second - Brett
5. President Elect/Program Paul Kenna
  - Schedule
  - Gift & Thank You cards
    - i. \$25 Visa gift card
  - Evaluation forms
6. Attendance Bret Fryover
  - Current reservations
    - i. 47 - (117 last year) PDH approval should help, last week before event is rush
  - Tracking members vs. non-members
    - i. Set up to do so. Challenging for clam and golf as companies buy several tickets without names attached
  - Award for perfect attendance in 2016-17
    - i. Does board approve of \$50 gift card?
      1. Unanimous approval for 2016-2017 (one recipient)
7. CTTC Report Jeff Wiedrick
  - Project submission by April 1, 2018
    - i. Should we put a flyer together to advertise for project awards?
    - ii. Early to push it but we need to start thinking about how to get more submissions
    - iii. Qualified project timeline - needs occupancy by 9/2017. Applications can be submitted early.
    - iv. Newsletter article to be submitted next month
    - v. Time at the October meeting will be set aside for CTTC awareness with flyers and additional info on tables
8. Membership Report George Herman
  - Centralized Training
    - i. Flying to Atlanta tonight (if Hurricane Irma allows) training scheduled for tomorrow
    - ii. CRC training last month
  - Started on membership advancement
  - Current members
    - i. 279 Total
    - ii. 94 Associate
    - iii. 31 Student
9. Student Activities Report Rob Hudson
  - Student chapter
    - i. Waiting for school to start - now ready to continue pressing MCC and RIT

- ii. Looking forward to February Engineers Week
- iii. Possible budget allocation for future

10. Education Report

Bill Murray

- Scholarship
  - i. Jeff Close in communication with RES to manage funds, applications and awards.
  - ii. Board will review RES information and original intent of donors.

11. YEA Report

Matt Kremers

- 2017-18 Events
  - i. Fall social
  - ii. Leadership weekend
  - iii. Controls tech section?
  - iv. Duct sizing / fan selection? Combine with student activities?
- Contact list update

12. Awards & Recognition Report

Al Rodgers

- Awards from CRC to be presented at clambake

13. Resource Promotion Report

Matt Devlin

- Current vs. Goal
  - i. Goal increased by society
  - ii. Currently 54%
  - iii. Gray Metal Golden Circle donor again!
- Full Circle Contributions
  - i. Due 11/15/17
  - ii. Looking for two volunteers to dedicate toward scholarship
    - 1. Paul
    - 2. Bill
- Donor Recognition Boards
  - i. (2) Prototypes provided, one for Gray, one for Major donors and Honor Roll
  - ii. \$150 voted on and approved for banners
- Combining efforts on sponsorships? - corporate sponsorships available to sponsor all yearly events with one check.
  - i. Alleviate solicitations

14. Refrigeration Report

Mike Nohle/Sam Scorsone

- Refrigeration Meeting
  - i. December - Michael Collins from Eagle Bay
- Working on refrigeration night in April

15. Grassroots Government Advocacy Report

Marjani Wilson/Tom Burke

- Marjani attended CRC
- Planned activity
  - i. "Day on the Hill" - meet with local officials
  - ii. Reviewed PAOE and MOPS

16. Newsletter Report

Scott Edwards

- Committee submissions
- Newsletter deadline
- RES deadline

17. Buyers Guide

TBD

- How should we proceed with this?
  - i. Has an interested individual
- Should we rename to Sponsors and do business card ads?
  - i. This seems to be a more appealing option

18. Historian Report Jake Hall
- Planned activity
  - Sent board to CRC
19. Publicity Report Mark Kukla
20. Website Report Steve Dear/Kevin Wind
- Coordinate updates with Kevin
21. Nominating Report Jeff Close
22. Valentines Dinner Dance Report Jody McGarry
- Schedule & Venue
    - i. Looked at 4 places
      1. Winter Garden at Monroe's - B&L
        - a. Strict requirements with long lead times
      2. Strathallan Rooftop
        - a. Leading option
        - b. Waiver of administrative fee would be processed as donation with recognition
      3. Hyatt
        - a. Not impressed
      4. Century Club
        - a. Too small
23. Golf/Picnic Report Jim Browe
- Push event back a week(s)?
24. Presidential Award of Excellence (PAOE)
- Committee chairs - stay abreast
25. New Business:
- MBOs
    - i. Due to Bill
    - ii. Due to RVCs by 10/1/17
  - George - October speaker wondering about logo removal
    - i. Title page and contact info pages only and will receive recognition at introduction
26. Old Business:
- 2016-17 Audit and Audit Committee
    - i. Paul to reach out
  - Lynn Bellenger Hall of Fame Award Nomination
  - Centralized Regional Conference (CRC)
    - i. Four from Rochester attended.
27. Set next BOG Meeting date / time / place.
- Friday, October 13 @ 7:30 AM, Day Automation Office
28. Adjourn 9:05



# ASHRAE Student Membership Application

## What You'll Get With Your ASHRAE Student Membership!

### What's "Cool" In ASHRAE

- ASHRAE promotes energy efficiency, savings and recovery
- ASHRAE reports on building controls, automation and integration
- ASHRAE focuses on green building issues and green technology
- ASHRAE maintains standards for indoor air quality
- ASHRAE promotes solar and other alternative energy sources
- ASHRAE offers certification programs, online learning opportunities and courses and seminars at ASHRAE Conferences

### How Can ASHRAE Help You?

- Provide access to new technology
- Offer professional development opportunities
- Create opportunities for networking
- Offer online continuing education programs and eLearning programs

### Student Member Benefits

- Access to members-only web pages
- Discounts on ASHRAE Handbooks
- Monthly ASHRAE Journal - print and digital
- HVAC&R Industry and Society Connections eNewsletters
- Complimentary ASHRAE Annual and Winter Conference registration (AHR Expo, Student Program, Technical Sessions)
- Virtual online HVAC&R resume posting, job and internship searching program

### ASHRAE Student Member Opportunities

- Society and chapter-level scholarships for both undergraduate and graduate engineering students
- Discounts for student members on select publications, go to [www.ashrae.org/bookstore](http://www.ashrae.org/bookstore) for more information
- Student Design Competition
- Networking with local ASHRAE Chapters
- Senior Undergraduate Project Grant Program
- 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!

You can continue your student membership after college with the ASHRAE SmartStart Program. After you graduate, you pay \$20 for the first year, \$50 for the second and the third years before advancing to regular member dues!

**Join ASHRAE students on Facebook  
Visit [www.ashrae.org/students](http://www.ashrae.org/students) to join!**



**ASHRAE**  
STUDENT MEMBERSHIP APPLICATION

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.  
ASHRAE • 1791 TULLIE CIRCLE NE • ATLANTA, GA 30329-2305 • FAX: 678-539-2212

FIRST NAME:

LAST NAME:

DATE OF BIRTH (mm/dd/yyyy)

Current Mailing Address: (this will be where all correspondence will be sent unless otherwise specified)

Street Address: \_\_\_\_\_ Apt. # \_\_\_\_\_ City: \_\_\_\_\_  
State/Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_ Country: \_\_\_\_\_  
Email: \_\_\_\_\_ Alternate email: \_\_\_\_\_ Phone: \_\_\_\_\_

Permanent Mailing Address: (during the Summer Months and after graduation)

Check if Current Address is the same as Permanent Address

Street Address: \_\_\_\_\_ Apt. # \_\_\_\_\_ City: \_\_\_\_\_  
State/Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_ Country: \_\_\_\_\_  
Email: \_\_\_\_\_ Alternate email: \_\_\_\_\_ Phone: \_\_\_\_\_

ASHRAE protects contact information provided by its members and customers. To view ASHRAE's privacy policy visit [www.ashrae.org/privacy-policy](http://www.ashrae.org/privacy-policy).

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 Full member, he/she can serve as your sponsor. If you need assistance locating a sponsor, please email [students@ashrae.org](mailto: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: \_\_\_\_\_ Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

To receive your subscription to the ASHRAE Journal, please answer the following questions by entering the appropriate codes in the spaces provided.

Which best describes your firm? \_\_\_\_\_

- 11. Consulting Engineering
- 12. Architect/Architectural & Eng Services
- 15. Design/Build
- 21. Contractor
- 26. Property Mgmt & Dev
- 31. Industrial Facility
- 41. Commercial Facility
- 42. Government, Healthcare, Education
- 43. Utility
- 51. Manufacturer/HVAC&R Equipment
- 61. Manufacturer's Representative
- 62. Sales Engineering
- 71. Wholesaler or Distributor
- 83. Library
- 84. Technical, Professional or Trade Association
- 86. Student \*\*\*
- 91. Other (Please Specify) \_\_\_\_\_

Which best describes your title? \_\_\_\_\_

- B. President
- C. Partner
- D. Associate
- E. Owner
- F. Vice President
- G. Vice President Eng, Chief Engineer
- K. Design Engineer
- L. Project/Application Engineer
- O. Facility Engineer/Manager
- P. Research/Development Engineer
- R. Sales Engineer, Sales
- S. Purchasing Agent
- T. Draftsperson
- U. Estimator
- W. Technician
- X. Instructor, Professor
- Y. Student \*\*\*
- Z. Librarian
- ZZ. Other (Please Specify)

ASHRAE Society Dues include \$6.00 for ASHRAE Journal. This amount is not deductible from Membership dues.

I would like to participate in the activities of the \_\_\_\_\_ ASHRAE Chapter.

School Name: \_\_\_\_\_

Street Address: \_\_\_\_\_ City \_\_\_\_\_ State: \_\_\_\_\_

Country: \_\_\_\_\_ Postal Code \_\_\_\_\_

Expected Graduation Date: \_\_\_\_\_

Full time:  Part time:  Degree: \_\_\_\_\_

\*Classification: Freshman  Sophomore  Junior  Senior  Masters/PhD.

ASHRAE Student Membership \$20.00 USD

ASHRAE Handbook - Fundamentals  IP  SI

(you will receive the most current edition of Fundamentals)

More than 900 pages of HVAC&R technical information and it includes the CD! (List Price \$195)

Student Member Price: \$49.00 USD \$ \_\_\_\_\_ USD

Total \$ \_\_\_\_\_ USD

\*Additional books are available at [ashrae.org/studentbookstore](http://ashrae.org/studentbookstore)

\*Please allow up to 30 days to receive new member packets. For U.S. book orders, allow 3-5 business days from processing. For international locations and Canada, allow 7-10 business days from processing.

\*\*Please complete the ENTIRE application to ensure accuracy. Incomplete applications will NOT be processed.\*\*

Method of payment:  VISA / Master Card  American Express  Diner's Club  Check or money order enclosed\*

Card Number: \_\_\_\_\_ Expiration Date \_\_\_\_\_ CW No. \_\_\_\_\_ Amount: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name (as it appears on card): \_\_\_\_\_

\*Checks will be accepted in U.S and Canadian funds. Credit Card payments will be accepted in U.S. funds only.

# Region I Officers



REGION I COMMITTEE CHAIR CONTACT INFORMATION

Position	First	Last	Company	Address Line	City	State	Post Code	Phone	Email
Region Director and Regional Chair	William	Walter	Carrier Corporation	6304 Thompson Rd	Syracuse	NY	13221	(315)432-6267	<a href="mailto:r01drc@ashrae.net">r01drc@ashrae.net</a>
Region Assistant Regional Chair	Joseph	Furman	Automated Logic	16 Country Way	Wallingford	CT	06492-5356	(203)678-2208	<a href="mailto:r01arc@ashrae.net">r01arc@ashrae.net</a>
Region Members Council Rep	Joseph	Furman	Automated Logic	16 Country Way	Wallingford	CT	06492-5356	(203)678-2208	<a href="mailto:r01RMCR@ashrae.net">r01RMCR@ashrae.net</a>
Region Treasurer	Darcy	Carbone	Stebbins-Duffy, Inc.	6 Damon Rd	Medford	MA	02155-2903	(617)957-2567	<a href="mailto:r01tr@ashrae.net">r01tr@ashrae.net</a>
Region Grassroots Government Advocacy	Richard	Vehlow	NYS OGS Design	10 Catherine Pl	Latham	NY	12110-5204	(518)474-2471	<a href="mailto:r01GGAC@ashrae.net">r01GGAC@ashrae.net</a>
Region Chapter Technology Transfer	Christopher	Phelan	Thermco	228 Scales Ave	Clifton	NJ	07012-1126	(973)777-6700	<a href="mailto:r01rvcttc@ashrae.net">r01rvcttc@ashrae.net</a>
Region Membership Promotion	Lee	Feigenbaum						(347)533-0161	<a href="mailto:r01rvcm@ashrae.net">r01rvcm@ashrae.net</a>
Region Research Promotion	Andrew	Manos	Stony Brook University	17 Horton St	West Islip	NY	11795-1039	(516)413-0214	<a href="mailto:r01rvcrp@ashrae.net">r01rvcrp@ashrae.net</a>
Region Student Activities	Steven	Sill	New York State Office of People with Developmental Disabilities	2930 State Route 104A	Sterling	NY	13156-4253	(718)494-5133	<a href="mailto:r01rvcsa@ashrae.net">r01rvcsa@ashrae.net</a>
Region Regional Historian	Stanley	Westhoff	Unilux Advanced Manufacturing LLC	18 Santee Dr	Gansevoort	NY	12831-1322	(518)587-1949	<a href="mailto:r01hist@ashrae.net">r01hist@ashrae.net</a>
Region YEA	Chonghui	Liu				NY		(315)956-6533	<a href="mailto:r01yea@ashrae.net">r01yea@ashrae.net</a>
Region Nominating Committee Member	Russell	Stuber	U & S Services Inc	95 Stark St	Tonawanda	NY	14150-1210	(716)693-4490	<a href="mailto:r01nom@ashrae.net">r01nom@ashrae.net</a>
Region Nominating Committee Alternate	Darcy	Carbone	Stebbins-Duffy, Inc.	6 Damon Rd	Medford	MA	02155-2903	(617)957-2567	<a href="mailto:r01noma@ashrae.net">r01noma@ashrae.net</a>
Region CRC General Chair	Jim	Browe						(585)697-0836	<a href="mailto:R01CRCChair@ashrae.net">R01CRCChair@ashrae.net</a>
Region Representative	Spencer	Morasch	First Energy Corporation					(201)825-7321	<a href="mailto:R01RR@ashrae.net">R01RR@ashrae.net</a>
Region Electronic Communications	Stacie	Suh	Stebbins-Duffy, Inc.	10 Technology Drive	Peabody	MA	01960	(781)258-1002	<a href="mailto:r01ECC@ashrae.net">r01ECC@ashrae.net</a>
Region Webmaster	Stacie	Suh	Stebbins-Duffy, Inc.	10 Technology Drive	Peabody	MA	01960	(781)258-1002	<a href="mailto:r01ECC@ashrae.net">r01ECC@ashrae.net</a>
Region Refrigeration	Charles	Bertusch	Bergmann Associates	224 Harrison Street	Syracuse	NY	13202	(315)415-5364	<a href="mailto:r01ref@ashrae.net">r01ref@ashrae.net</a>
Regional Program RVC	Peter	Oppelt	RF Peck	889 Atlantic Ave	Rochester	NY	14609	(585)697-0836	<a href="mailto:R01prg@ashrae.net">R01prg@ashrae.net</a>

Email Address : [r01drc@ashrae.net](mailto:r01drc@ashrae.net); [r01arc@ashrae.net](mailto:r01arc@ashrae.net); [r01drc@ashrae.net](mailto:r01drc@ashrae.net); [r01ecc@ashrae.net](mailto:r01ecc@ashrae.net); [r01rvcttc@ashrae.net](mailto:r01rvcttc@ashrae.net); [r01rvcm@ashrae.net](mailto:r01rvcm@ashrae.net); [r01rvcrp@ashrae.net](mailto:r01rvcrp@ashrae.net); [r01rvcsa@ashrae.net](mailto:r01rvcsa@ashrae.net); [r01ref@ashrae.net](mailto:r01ref@ashrae.net); [r01yea@ashrae.net](mailto:r01yea@ashrae.net); [r01tr@ashrae.net](mailto:r01tr@ashrae.net); [r01nom@ashrae.net](mailto:r01nom@ashrae.net); [r01noma@ashrae.net](mailto:r01noma@ashrae.net); [r01RMCR@ashrae.net](mailto:r01RMCR@ashrae.net); [r01hist@ashrae.net](mailto:r01hist@ashrae.net); [R01ref@ashrae.net](mailto:R01ref@ashrae.net); [R01prg@ashrae.net](mailto:R01prg@ashrae.net); [r01GGAC@ashrae.net](mailto:r01GGAC@ashrae.net); [R01CRCChair@ashrae.net](mailto:R01CRCChair@ashrae.net); [R01RR@ashrae.net](mailto:R01RR@ashrae.net)



REGION I CHAPTER PRESIDENT CONTACT INFORMATION

Chapter #	Chapter Name	First	Last	Company	Address Line1	City State Zip	Phone	Email Address
001	BOSTON	William	Tang	BR+A Consulting Engineers	170 Clocktower Dr Unit 304	Waltham, MA 02452-7878	(617)925-8288	<a href="mailto:c001@ashrae.net">c001@ashrae.net</a>
003	RHODE ISLAND	Paul	Reddington	Victaulic Company	26 Prairie Ct	Manchester, NH 03102-4964	(508)878-9159	<a href="mailto:c003@ashrae.net">c003@ashrae.net</a>
004	CONNECTICUT	Brandon	Bradley	ABCO HVACR Supply + Solutions	515 Old Tolland Tpke	Coventry, CT 06238-1857	(203)325-9000	<a href="mailto:c004@ashrae.net">c004@ashrae.net</a>
006	LONG ISLAND	Donald	Kane	Nassau Suffolk Engineering &Architecture	45 Swallow Ln	Brentwood, NY 11717-1344	(631)737-9170	<a href="mailto:c006@ashrae.net">c006@ashrae.net</a>
007	NEW JERSEY	Dorrie	Mercurio		75 South St	Freehold, NJ 07728-2317	(732)761-0108	<a href="mailto:c006@ashrae.net">c006@ashrae.net</a>
008	NEW YORK	Jose	Rodriguez	Wallace Eannace Associates	779 Susquehanna Ave	Franklin Lakes, NJ 07417-1321		<a href="mailto:c008@ashrae.net">c008@ashrae.net</a>
009	NORTHEAST	David	Houle	EME Consulting Engineering Group	292 Washington Avenue Ext Ste 109	Albany, NY 12203-6385	(518)862-0882	<a href="mailto:c009@ashrae.net">c009@ashrae.net</a>
010	CENTRAL NEW YORK	Mark	Yonnick	FW Webb Co	6792 Townline Rd	Syracuse, NY 13211-1911	(315)476-9322	<a href="mailto:c010@ashrae.net">c010@ashrae.net</a>
011	ROCHESTER	Jeffrey	Close	PRES Energy Engineering	3777 Dewey Rd	Shortsville, NY 14548-9725	(585)289-6816	<a href="mailto:c011@ashrae.net">c011@ashrae.net</a>
012	NIAGARA FRONTIER	Becca	Hojnacki	ECON Technologies	2640 Walden Ave	Buffalo, NY 14225-4736	716-693-4490	<a href="mailto:c012@ashrae.net">c012@ashrae.net</a>
111	CHAMPLAIN VALLEY	Blaine	Conner	Vermont Mechanical Inc.	1 School St Apt 6	Montpelier, VT 05602-2912	(802)343-8644	<a href="mailto:C111@ashrae.net">C111@ashrae.net</a>
118	MAINE	Rachel	Riley	Sweeney Rogers Geraghty Incorporated	215 E Grand Ave Apt 305	Old Orchard Beach, ME 04064-3028	(207)460-0076	<a href="mailto:C118@ashrae.net">C118@ashrae.net</a>
129	TWIN TIERS	Travis	Fisher	Cornell University	51A Goodrich Rd	Owego, NY 13827-1552	(607)255-5608	<a href="mailto:C129@ashrae.net">C129@ashrae.net</a>
146	BI-STATE	Brendan	Smith		33 Beach Rd	Ossining, NY 10562-3201	(914)741-1290	<a href="mailto:C146@ashrae.net">C146@ashrae.net</a>
152	GRANITE STATE	Paul	Bemis	Applied Math Modeling Inc	75 S Main St Unit 7 PMB 144	Concord, NH 03301-4865	(603)369-6085	<a href="mailto:C152@ashrae.net">C152@ashrae.net</a>

Email Address: [c001@ashrae.net](mailto:c001@ashrae.net); [c003@ashrae.net](mailto:c003@ashrae.net); [c004@ashrae.net](mailto:c004@ashrae.net); [c006@ashrae.net](mailto:c006@ashrae.net); [c007@ashrae.net](mailto:c007@ashrae.net); [c008@ashrae.net](mailto:c008@ashrae.net); [c010@ashrae.net](mailto:c010@ashrae.net); [c011@ashrae.net](mailto:c011@ashrae.net); [c012@ashrae.net](mailto:c012@ashrae.net); [c111@ashrae.net](mailto:c111@ashrae.net); [c118@ashrae.net](mailto:c118@ashrae.net); [c129@ashrae.net](mailto:c129@ashrae.net); [c146@ashrae.net](mailto:c146@ashrae.net); [c152@ashrae.net](mailto:c152@ashrae.net)





## REGION I CHAPTER NEWSLETTER CONTACT INFORMATION

Chapter #	Chapter Name	First	Last	Company	Address Line1	City State Zip	Phone	Email Address
001	BOSTON	Deanna	Adkison	AKF Group	197 Lothrop St	Beverly, MA 01915-3763	(617)535-8236	<a href="mailto:c001ne@ashrae.net">c001ne@ashrae.net</a>
004	CONNECTICUT	Nichole	Petersen	Flow Tech Inc	10 Bidwell Rd	South Windsor, CT 06074-2412	(860)291-8886	<a href="mailto:c004ne@ashrae.net">c004ne@ashrae.net</a>
006	LONG ISLAND	Liset	Cordero	MG Engineering DPC	170 Horton Ave	Valley Stream, NY 11581-1439	(212)643-9055	<a href="mailto:c006ne@ashrae.net">c006ne@ashrae.net</a>
007	NEW JERSEY	Adele	Glaser	Trane	19 Chapin Rd Bldg B Suite 200	Pine Brook, NJ 07058-9385	(973)244-7731	<a href="mailto:c006ne@ashrae.net">c006ne@ashrae.net</a>
011	ROCHESTER	Scott	Edwards	Johnson Controls	31 Barkwood Ln	Spencerport, NY 14559-2249	(585)301-6591	<a href="mailto:c011ne@ashrae.net">c011ne@ashrae.net</a>
012	NIAGARA FRONTIER	Varun	Kulkarni	Zehnder Rittling	100 Rittling Blvd	Buffalo, NY 14220-1885	(405)385-1928	<a href="mailto:c012ne@ashrae.net">c012ne@ashrae.net</a>
129	TWIN TIERS	Andrew	Nice	Meier Supply Co.	275 Broome Corporate Pkwy	Conklin, NY 13748-1511	(607)797-7700	<a href="mailto:C129ne@ashrae.net">C129ne@ashrae.net</a>

### 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](mailto:c152ne@ashrae.net)



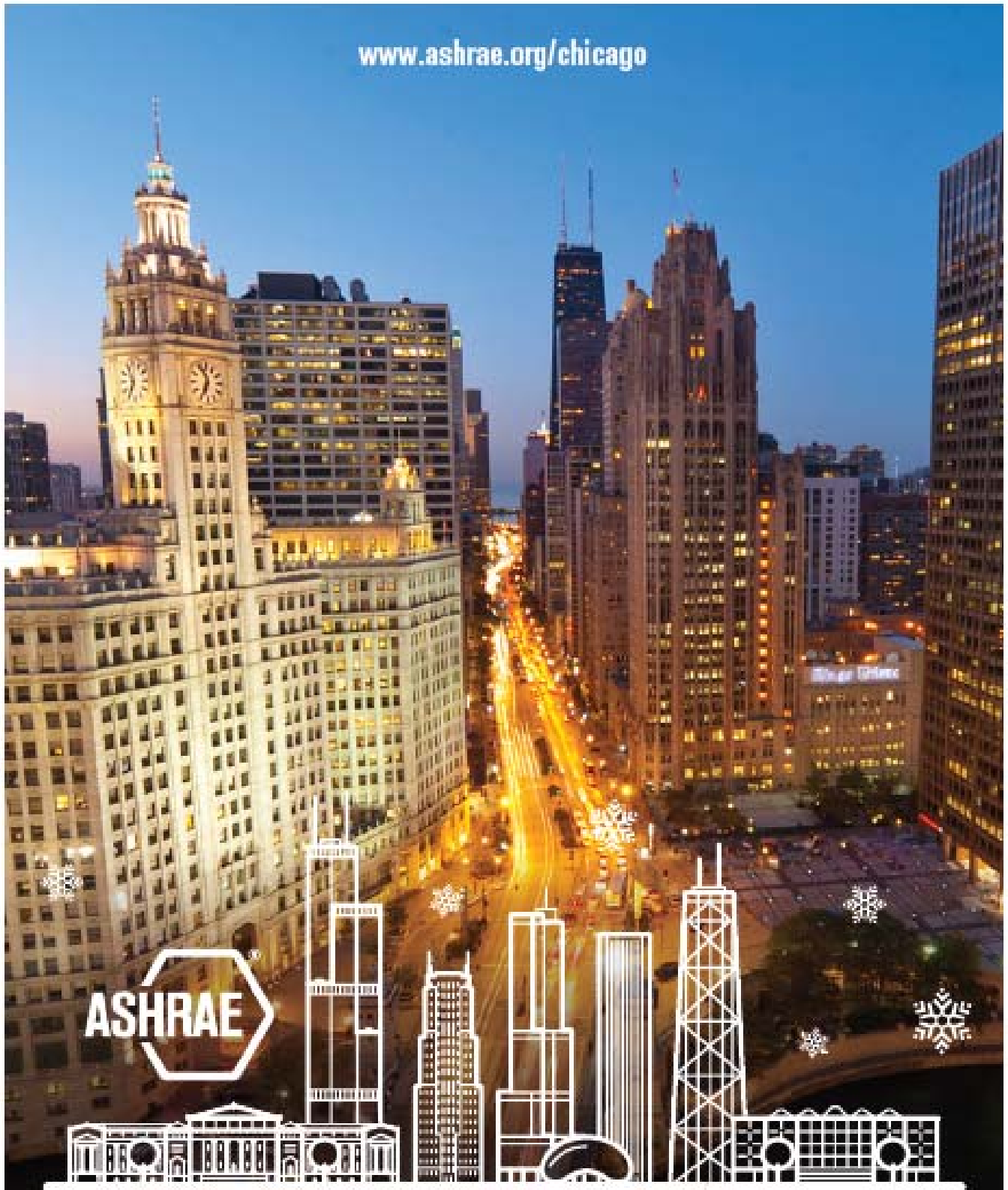
## REGION I CHAPTER WEBMASTER CONTACT INFORMATION

Chapter #	Chapter Name	First	Last	Company	Address Line1	City State Zip	Phone	Email Address
001	BOSTON	Kevin	Doty	Victaulic	12 Mohawk St Unit 9	Boston, MA 02127-3594	(484)523-8908	<a href="mailto:c001web@ashrae.net">c001web@ashrae.net</a>
007	NEW JERSEY	Dorrie	Mercurio		75 South St	Freehold, NJ 07728-2317	(732)761-0108	<a href="mailto:c006web@ashrae.net">c006web@ashrae.net</a>
008	NEW YORK	Gaspar	Cabrera	YR&G	163 W 23rd St	New York, NY 10011-2465	(917)783-0166 (917)7830166	<a href="mailto:c008web@ashrae.net">c008web@ashrae.net</a>
011	ROCHESTER	Stephen	Dear	Crosby Brownlie Inc	100 Nassau St	Rochester, NY 14605-1955	(585)730-2599	<a href="mailto:c011web@ashrae.net">c011web@ashrae.net</a>
012	NIAGARA FRONTIER	James	Price		1021 Klein Rd	Williamsville, NY 14221-1923	(716)645-5516	<a href="mailto:c012web@ashrae.net">c012web@ashrae.net</a>
118	MAINE	Stephan	Becker	SMRT	144 Fore St	Portland, ME 04101-4843	(207)772-3846	<a href="mailto:C118web@ashrae.net">C118web@ashrae.net</a>
129	TWIN TIERS	Michael	Colwell	Tri Cities Temperature Ctl Inc	122 Park Ave	Binghamton, NY 13903-3227	(607)724-8282	<a href="mailto:C129web@ashrae.net">C129web@ashrae.net</a>

### Email Address:

c001web@ashrae.net; c003web@ashrae.net; c004web@ashrae.net; C006web@ashrae.net; c007web@ashrae.net; c008web@ashrae.net; c010web@ashrae.net; c011web@ashrae.net; c012web@ashrae.net; c111web@ashrae.net; c118web@ashrae.net; c129web@ashrae.net; c146web@ashrae.net; [c152web@ashrae.net](mailto:c152web@ashrae.net)

[www.ashrae.org/chicago](http://www.ashrae.org/chicago)



# 2018 ASHRAE Winter Conference

Chicago, Illinois ★★★★★ January 20–24

**AHR Expo** ★ McCormick Place ★ January 22–24

ASHRAE Winter Conference & AHR Expo is where passionate people come together to share knowledge, learn new things and meet new people. This conference is a great way to immerse yourself in a growing community of incredibly smart, dedicated people. The 2018 Winter Conference will be at the Palmer House in Chicago, January 20-24, and the AHR Expo is at McCormick Place, January 22-24. And yes it will be cold in Chicago in January, but the cold never bothered us anyway.



The 2018 Show will be held in Chicago, hosting more than 2,000 exhibitors and attracting crowds of 65,000 industry professionals from every state in America and 165 countries worldwide. The Show provides a unique forum for the entire HVACR industry to come together and share new products, technologies, and ideas. The AHR Expo is co-sponsored by ASHRAE and AHRI, and is held concurrently with ASHRAE's Winter Conference. Your ASHRAE Conference Badge will give you access to the AHR Expo.

## Technical Program

"Engineers and designers continue to advance designs to reduce the ecological impact of our built environment on the world around us. It has practically become second nature." Michael Collarin, chair of the 2018 ASHRAE Winter Conference, said. "However, and seemingly more so in recent years, the industry has needed to take steps to mitigate the impact of the world around us on our built environment. This is especially the case in our transportation, government and mission critical arenas, where the loss of critical infrastructure can have severe consequences, including the loss of life. The tracks and programs for the ASHRAE Winter Conference will focus on resources to design, build, control, commission and operate facilities and infrastructure that need to not only be efficient, but resilient." In addition to the tracks below, a Refrigerant mini-track and a Residential mini-track will be presented at the 2018 AHR Expo, Jan. 22-24.

## Plenary Session Keynote Speaker

Saturday, January 20 at 3:15 p.m.



### Debbie Sterling Founder & CEO of GoldieBlox

Debbie Sterling is the Founder and CEO of GoldieBlox, an award winning company on a mission to "disrupt the pink aisle" with toys, games, and media for girls. Debbie is an engineer, entrepreneur, and one of the leaders in the movement toward getting girls interested in science, technology, engineering, and math. She was named TIME's "Person of the Moment," Business Insider's "30 Women Who Are Changing the World," and was recently added to Fortune Magazine's prestigious "40 Under 40" list. In early 2015, Debbie was inducted as a Presidential Ambassador for Global Entrepreneurship and honored by the National Women's History Museum with a "Living Legacy" Award for her work to empower girls around the world. Debbie received her degree in Engineering at Stanford University in 2005.

Tracks Include:

- Systems and Equipment
- Fundamentals and Applications
- Standards, Guidelines and Codes
- Earth, Wind & Fire
- Transportation IAQ and Air Conditioning
- Tall Buildings
- Modeling Throughout the Building Life Cycle
- Heat Exchange Equipment

## Technical Tours

### Gas Technology Institute (GTI) Lab

Monday, January 22, 2:30 – 5:30 p.m.  
\$30

GTI's work includes ongoing development of technologies to improve the efficiency of residential and commercial HVAC and water heating products.

### Method Home Soap Manufacturing Plant

Monday, January 22, 2:30 – 5:30 p.m.  
\$30

The new state-of-the-art facility showcases the company's dedication to sustainability with the first LEED® Platinum manufacturing facility in its industry.



### 340 On the Park

Tuesday, January 23, 1:00 – 4:00 p.m.  
\$30

340 On The Park is a 62-story, luxury multi-family high rise constructed in 2007 and managed by Lieberman Management Services, which utilizes a district chilled water service for the building's cooling needs.

### The Plant

Tuesday January 23, 1:00 p.m. – 4:00 p.m.  
\$30

This facility will eventually divert over 10,000 tons of food waste from landfills each year, while providing enough electricity to power over 250 homes.

## General Tours

### Chicago Neighborhoods

Sunday, January 21, 9:00 – 11:00 a.m.  
\$65

### Chicago Highlights 101

Sunday, January 21, 1:00 – 3:00 p.m.  
\$65

### Chicago's Southside Hidden Highlights Tour

Monday, January 22, 2:30 – 4:30 p.m.  
\$65

### Moody Tongue Brewery Tour

Tuesday, January 23, 1:00 – 4:00 p.m.  
\$35

### Gold Coast Tour

Tuesday, January 23, 1:00 – 3:30 p.m.  
\$65

## ASHRAE Learning Institute Courses

### Full-Day Professional Development Seminars

By January 2, 2018:  
\$510 (\$415 ASHRAE Member)

After January 2, 2018:  
\$540 (\$445 ASHRAE Member)

#### Saturday, January 20, 2018, 8am-3pm

The Commissioning Process in New & Existing Buildings

Complying with Requirements of ASHRAE Standard 62.1-2016

#### Tuesday, January 23, 2018, 9am-4pm

Humidity Control I and II: Principles & Applications **Updated!**

Optimizing Indoor Environment: Increasing Building Value **NEW!**

### Half-Day Short Courses

By January 2, 2018:  
\$184 (\$139 ASHRAE Member)

After January 2, 2018:  
\$214 (\$169 ASHRAE Member)

#### Sunday, January 21, 2018, 3:30-6:30pm

Air-to-Air Energy Recovery Applications: Best Practices

Laboratory Design: The Basics and Beyond

New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs

Understanding and Designing Chilled Beam Systems **NEW!**

#### Monday, January 22, 2018, 8:30-11:30am

Designing High-Performance Healthcare HVAC Systems

Energy Management Best Practices

High-Performance Building Design: Applications & Future Trends

#### Monday, January 22, 2018, 2:45-5:45pm

ASHRAE Guideline 0 – The Commissioning Process

Design of Affordable and Efficient Ground Source Heat Pump Systems

Successfully Managing the Risk of Legionellosis Using ASHRAE Standard 188-2015

#### Tuesday, January 23, 2018, 9am-12pm

Variable Refrigerant Flow Systems: Design & Application

Fundamental and Application of Standard 55

Complying with Standard 90.1-2016: HVAC/Mechanical **NEW!**

#### Tuesday, June 23, 2018, 1-4pm

Complying with Standard 90.1-2016: Appendix G

Designing Toward Net-Zero Energy Commercial Buildings

IT Equipment Design Evolution & Data Center Operation Optimization

## Certification Exams

### Saturday, Jan. 20 and Wednesday, Jan. 24

Apply by Dec. 20 to sit for an ASHRAE Certification exam in one of these key fields:

Commissioning | Energy Assessment | Energy Modeling | Healthcare Facility Design | High Performance Building Design | Building Operations.

Conference Registrants can include the Certification application fee when registering, and apply by December 20 to sit for the exam. Applications are available at [www.ashrae.org/certification](http://www.ashrae.org/certification).



## SOCIAL EVENTS

### Welcome Party

Saturday, January 20  
6:30 – 8:30 p.m.  
Cost: \$55



Catch up with old friends and make new ones as the Conference kicks off with the traditional Welcome Party. The event takes place at the Chicago Cultural Center, a few walkable blocks from the Palmer House Hilton.

### Young Engineers in ASHRAE (YEA) Hospitality Suite

Sunday, January 21  
4 – 6 p.m.  
Palmer House

Young professional members age 35 and younger are invited to visit the YEA Hospitality Suite. The suite offers social and networking opportunities, and light refreshments are served.

### President's Luncheon

Monday, January 22  
12 – 2 p.m.  
Cost: \$45  
Palmer House

2017-18 ASHRAE President Bjarne Olesen provides an update on his presidential theme, "Extend." Major contributors to the ASHRAE RP Campaign also are recognized.

### Members' Night Out

Tuesday, January 23  
Reception 6:15 – 7:15 p.m.  
Dinner 7:15 – 10 p.m.  
Cost: \$55  
Palmer House



Feeling lucky? Take a chance and join us for an evening of fun with another Chicago "back room" action casino party. Here's the deal, come and test your skills or enjoy being serenaded by a local jazz band.



[www.ashrae.org/chicago](http://www.ashrae.org/chicago)

## REGISTRATION

### Early Bird fees from September 1 through November 2

- \$535 member/\$745 non-member
- \$210 first-time member attendee/\$720 first-time non-member attendee
- \$135 Life Member

### Advance fees from November 3 through January 2

- \$550 member/\$770 non-member
- \$235 first-time member attendee/\$740 first-time non-member attendee
- \$145 Life Member

### Onsite registration fees from January 3 through 24

- \$625 member/\$830 non-member
- \$270 first-time member attendee/\$870 first-time non-member attendee
- \$270 member one-day fee/\$320 non-member one-day fee
- \$155 Life Member

### Registration fees for speakers, student branch advisor, and students

- \$135 speaker
- \$25 student branch advisor
- \$25 student member/\$55, full-time student non-member
- \$55 spouse/guest



## About the Presenter

Oct. 24 Webinar  
2 p.m. EST

Register now

Specifying and Installing PEX  
for Commercial Hydronic  
Applications By Devin A. Abellon, P.E.

uponor

ASHRAE  
JOURNAL

2017 Supplier Webinar Series

Specifying & Installing PEX for Commercial  
Hydronic Applications:  
Opportunities and Lessons Learned

An **uponor** Presentation

Broadcast Live Oct. 24, 2 p.m. ET



**Devin Abellon, P.E.**  
**Business Development Manager for Engineering  
Services at Uponor North America**

Devin Abellon, P.E. is the Business Development Manager for Engineering Services at Uponor North America. He has 23 years of experience in the HVAC and plumbing industries with a focus on high-performance and sustainable building design and construction. He holds a Bachelor of Science degree in Mechanical Engineering from the University of California at Santa Barbara and is a registered professional engineer in California and Arizona. He is an active member of both ASPE and ASHRAE, and serves as an ASHRAE Membership Committee Chair, Programs Subcommittee Chair for ASHRAE TC 6.5 Radiant Heating and Cooling, Region X Nominating Member, and as an ASHRAE Distinguished Lecturer.

## Summary:

For those who design in BIM/CAD, manufacturer-provided content is widely viewed as being superior to generic, out-of-the box content when planning and designing a project. The data embedded within manufacturer-provided content is unique to the characteristics of the product, providing engineers with the ability to visualize a system's installation or a model's performance within a building before construction begins.

When designing with PEX, it is especially important to have access to manufacturer-provided content to ensure the system takes advantage of the unique features of the product, such as its flexibility, and also takes into consideration the challenges, such as expansion and contraction of the pipe. In this session, attendees will learn about the importance of PEX manufacturer-provided content as well as the trends in BIM/CAD for commercial PEX piping systems.

**PDU/CEU certificate:** Uponor North America will issue a signed company certificate of your personal attendance after viewing the presentation. The presentation is not registered with any state, so check your state's continuing education requirements if a credit can be applied with this webinar.



Start planning your itinerary for the 2018 ASHRAE Winter Conference using the [Personal Scheduler](#). Browse by track, presenter, program and more to create your custom itinerary. Sync your schedule with your device using the [ASHRAE Events App](#).

### Conference Tracks Include:

- Systems and Equipment
- Fundamentals and Applications
- Standards, Guidelines and Codes
- Resiliency: Withstanding Earth, Wind & Fire
- Tall Buildings
- Modeling Throughout the Building Life Cycle
- Heat Exchange Equipment
- Refrigerant mini-track at AHR Expo
- Residential mini-track at AHR Expo