

ASHRAE Rochester



VOLUME 12, ISSUE 4

DECEMBER, 2017

INSIDE THIS ISSUE:

Officer / Committee List	2
Events Calendar	3
President Msg	4
Monthly Meeting Info	5
Highlights from November	6
Job Postings & PAOE to date	7
Committee Updates	8
Student Membership	10
BOG Meeting Minutes	14
Winter Conference Info	17

December ASHRAE Meeting

- Topic:** Overview of Refrigeration
- Presenter:** Michael Collins, Eagle Bay Refrigeration
- When:** Monday December 11th, 2017 at 12pm
- Where:** City Grill
384 East Ave, Rochester
- Cost:** \$25.00

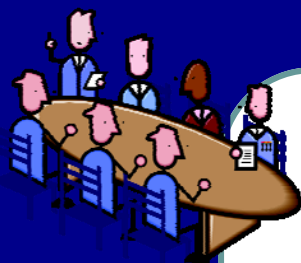


Please RSVP by noon Friday, December 8th to Bret Fryover
fryoverb@erdmananthony.com
Or
ASHRAERochester@gmail.com

PDH Approved!

See page 5 for more details

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@jwswanson.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, 12/11/2017	"Overview of Refrigeration Compressors" <i>Presented By: Michael Collins, Eagle Bay Refrigeration</i>	Refrigeration Night Resource Promotion PDH Approved	City Grill @ 12:00 PM
Monday, 1/8/2018	TBD	(PDH Pending)	City Grill @ 12:00 PM
TBD - Feb 2018	ASHRAE Valentines Dinner Dance	---	
Monday, 2/12/2018	Optimizing Ventilation Design, The ASHRAE Multi-Space Equation <i>Presented By: Bob Feduik, Carrier Corp</i>	Membership Promotion PDH Approved	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

Note: Dates, topics and presenters are subject to change, but if this happens we will post any updates to the calendar on our website.

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 December Message

December Newsletter 2017
President's Message

Our meeting in November was on "Advancements in Variable Speed Control of Centrifugal Pumps" presented by Michael Licastro from Armstrong Fluid Technology. We appreciate Michael taking the time to share his expertise with our chapter. Thank you to everyone that attended.

Our December meeting will be a Resource Promotion meeting. We are very thankful to all who donate to ASHRAE Resource Promotion. Resource Promotion helps support scholarships and ASHRAE research that has a great impact on our industry. If you are not currently a donor and would like to be please contact our Resource Promotion chair Matt Develin for details on how you can help support ASHRAE Resource Promotion at mdevlin@bergmannpc.com.

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.

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



Bill Clark, 2017-2018 President

December 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, December 11th, 2017

Location: City Grill

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

Cost: \$25.00

Speaker: Michael Collins, Eagle Bay Refrigeration

Topic: Refrigeration Compressors

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 December 8th to Bret Fryover
Phone: 585.563.5152 or e-Mail ... ASHRAERochester@gmail.com or fryoverb@erdmananthony.com

Refrigeration Compressors 101

Don't settle for standard solutions without understanding the options and potential trade-offs.

A review of the basic refrigeration system and the three main positive displacement compressor types used in our industry: Reciprocating, Screw and Scroll. The basic operation of each type will be discussed, as well capacity control for each. Optimization for efficiency will be discussed, with an emphasis on low condensing temperatures for energy savings in chiller applications. A sample energy savings calculation using a BIN hour analysis will be presented. Lastly, a brief discussion will be presented on refrigerant changes in the marketplace in general, as well as those most commonly used in commercial applications as they relate to the current phase-out schedule.

Presented By:

Michael Collins
Eagle Bay Refrigeration, President

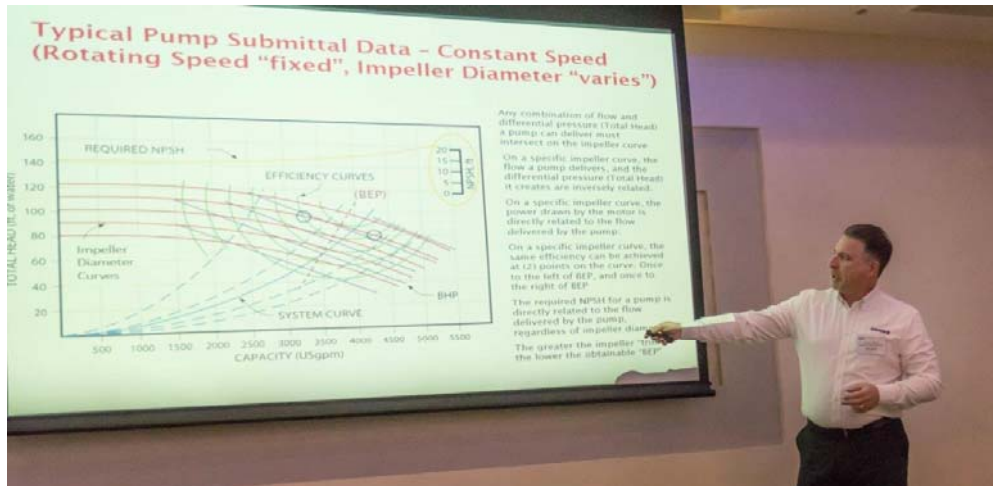
Michael has over 25 years of experience in HVAC and Refrigeration industry. Twelve years as an application engineer with Carlyle Compressor, a Division of Carrier Corporation, four years as an Account Manager and Application Engineer with BITZER US and four years as the Application Engineering Manager for Carlyle Compressor.

Education

BS Mechanical Engineering, University at Buffalo
Michael now owns and operates Eagle Bay Refrigeration, which provides custom HVAC/R equipment and engineering consulting services

Highlights from November ASHRAE Meeting

Michael Licastro from Armstrong Fluid Technology discusses the advancements in variable speed control of centrifugal pumps.





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.

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: 805
▶ 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: 845
▶ RP	Par: 1050	Min Points: 800	Total Points: 700
▶ 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. Keep up to date with current events and photos from recent meetings.

Committee Updates

ASHRAE Technology Awards

It's not too early to start thinking about your submission!

Awards are presented in six categories for new and existing facilities. Judging based Energy Efficiency, IAQ and Thermal Comfort, Innovation, Operation and Maintenance, Cost Effectiveness, Environmental Impact and Quality of Presentation.

Only a one-page application, schematic and short narrative.

Be recognized by your peers and move on to the Regional Competition.

Submissions will be due in April, 2018.

The following link includes additional details about the awards program:

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

Email jwiedrick@bergmannpc.com with any questions.

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 is being pursued by Rochester Institute of Technology to support their project studying a senior design project looking into a design that will heat and ventilate a baby stroller for use in cold weather climates. 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, BEMP, CEM
Student Activities Chair

Committee Updates

YEA

YEA Leadership Weekend will be held in Seattle, WA from March 23-25 2018. The Rochester ASHRAE Chapter can host limited ASHRAE YEA members at no cost to the participants. Contact Matt Kremers at mkremers@mcsmms.com for more information.

Are you interested in expanding your knowledge, meeting fellow engineers and having some fun along the way? Look no further than YEA Leadership Weekend! YEA Leadership Weekend is an opportunity for you—the future leaders of ASHRAE—to learn more about Society, develop soft skills and network with other young professionals. Over 600 YEA members have already taken advantage of this great opportunity...will you be next?

This event will include segments on understanding your own personality as well as other types, leadership development for young professionals, communication techniques and ASHRAE leadership opportunities.



ASHRAE Membership Application

Save Time. Join Online at www.ashrae.org/join

Shaping Tomorrow's
Built Environment Today

Prices shown are valid from July 1, 2017 through June 30, 2018

MEMBERSHIP

WHO ARE ASHRAE MEMBERS?

Members are represented by consulting engineers, mechanical contractors, building owners, employees of manufacturing companies, educational institutions, research organizations, government, architects, students or anyone concerned with HVAC&R for the built environment.

WHICH MEMBER TYPE IS RIGHT FOR YOU?

ASHRAE has three grades of membership awarded to applicants based on their experience and participation in the industry. Before you apply and select a member grade, we encourage you to visit the ASHRAE website to see the member grades and their corresponding member benefits. Prices shown are in US currency.

Member (\$206)

Available to anyone with 12 years or more ASHRAE approved experience in the HVAC&R industry.

Associate Member (\$206)

Available to anyone with less than 12 years of ASHRAE approved experience in the HVAC&R industry.

Affiliate Member

(\$52 first year, \$78 second, \$103 third)

Affiliate grade is for individuals who are new to ASHRAE (no previous membership in ASHRAE) and are age 30 or younger. It provides a great beginning for young professionals who wish to become involved in ASHRAE. (Does not include the annual member benefit of the ASHRAE Handbook).

Privacy Policy: By supplying your email address you are agreeing to receive electronic communications from ASHRAE, with the knowledge that you may opt-out of certain electronic communication once you become a member. Please visit ashrae.org/privacypolicy for additional information.

MEMBER BENEFITS AND RESOURCES

PUBLICATIONS & RESOURCES

- ASHRAE Handbook (Available to Members and Associates) in print or PDF, as well as a 12 month complimentary subscription to the Handbook Online, which provides online access to the most recent 4 volumes of the Handbook series.
- Monthly ASHRAE Journal in print and online
- Quarterly High Performing Buildings magazine in print and online
- e-Industry and eSociety electronic newsletters
- Access to members-only resources through ASHRAE.org, including the ASHRAE Journal and ASHRAE Research archives
- Discounts on over 300 of the industry's leading technical publications

PROFESSIONAL EDUCATION AND CAREER DEVELOPMENT

- Discounted registration for education courses through the ASHRAE Learning Institute, as well as ASHRAE certification programs
- Earn PDHs/CEUs/AIA LUs to maintain your professional designation/license with courses, seminars, and webcasts
- Gain industry knowledge, communication, and management skills by participating in ASHRAE technical programs or committees
- Post jobs or seek employment utilizing www.ASHRAEjobs.com

NETWORKING

- Connect locally, regionally and internationally with over 57,000 members in over 180 chapters worldwide
- Learn, share, and grow at the Annual and Winter Conferences, on ASHRAE technical committees, and ASHRAExChange.org
- Participate in your local chapter or regional meetings and events

Code of ethics: By submitting this application you are agreeing to abide by the ASHRAE Code of Ethics, found at ashrae.org/codeofethics.

Completed applications or questions can be sent to ASHRAE via
email: membership@ashrae.org | fax: 678-539-2129 | phone: 1-800-527-4723 or 404-636-8400
mail: 1791 Tullie Circle, NE, Atlanta, GA 30329

1. Contact Information. Mr. Miss Ms. Mrs. Dr. *Birthday (required) _____ / _____ / _____
 (Month) (Day) (Year)

Name _____
 (First) (Middle) (Last) (Designation)

Primary Address This is a Home Business Alternate Address This is a Home Business

Company Name _____ Company Name _____

Address _____ Address _____

City _____ State/Province _____ City _____ State/Province _____

Zip/Postal _____ Country _____ Zip/Postal _____ Country _____

E-mail _____ Alternate E-Mail _____

Telephone _____ Cell _____ Preferred Chapter Home Business Other _____

Name/Chapter of referring member (if applicable): _____

2. Member Grade.
 For additional information on member grades and benefits see reverse or visit ashrae.org.

Member — \$206 (must complete section 2a)
 Associate Member — \$206
 Affiliate Member — \$52 first year/\$78 second/\$103 third (new members, under 30)
 Reinstate my previous membership. Previous member number: _____

2a. Biographical Information. ONLY Member Grade applicants must complete this section. Use additional sheets or attach resume if necessary. Associate and Affiliate grade applicants do not complete this section.

School	Location	Dates of Attendance	Degree/Course of Study
Educational Record			
Employer	Location	Dates of Employment	Position/Title
Qualifying Work Experience			

Professional Engineering Registration Information License Number _____ Date Issued _____ Field of Registration _____ Location of Registration _____

3. Demographics. Please answer the questions by entering the codes in the space provided.

Which best describes your title? _____

B- President	S- Purchasing Agent
C- Partner	T- Draftsperson
D- Associate	U- Estimator
E- Owner	W- Technician
F- Vice President	X- Instructor
G- VP Eng. Chief Engineer	Professor
K- Design Eng./Designer	Y- Student
L- Proj./Application Eng.	Z- Librarian
O- Facility Eng./Mngr.	ZZ- Other
P- R&D Eng.	
R- Sales Engineer	

Which best describes your firm? _____

11- Consulting Eng.	51- Manufacturer
12- Architectural & Eng	61- Manufacturer's Rep.
15- Design/Build	62- Sales Engineering
21- Contractor	71- Wholesaler/Dist.
26- Property Mgmt & Dev.	83- Library
31- Industrial Facility	84- Tech/Prof Assoc.
41- Commercial Facility	85- Trade Assoc.
42- Gov't, Health, Education	86- Student
43- Utility	91- Other/Misc.

Which best describes your function? _____

1- Design/Application	5- Sales
2- Manufacturing	6- Research
3- Maintenance Operations	7- Teaching
4- Management	8- Other

4. Areas of HVAC&R Interest. Enter the code for your area of interest from the list below:
 Code: _____

Heating	Refrigeration
A- Hydronic	S- Unitary Refrigeration
B- Forced Air	T- Commercial Refg.
C- Steam	U- Industrial Refg.
D- Process	V- Process Refg.
E- Service Water	W- Low Temp (<60F)
F- Solar	X- Refg. Components
G- Radiant	
	General Areas
Ventilating & AC	1- Controls/Instrumentation
H- Air Cleaning	2- Heat Transfer Fluid Flow
J- Industrial	3- Pipes, valves, fittings
K- Clean/Computer Room	4- Refg. & Lubrications
L- AC Equip. <20 tons	5- Sound & Vibration
M- AC Equip. 20-200 tons	6- Insulation
N- AC Equip. > 200 tons	7- Energy Recovery
P- Air Handling Systems	8- Food Application
Q- Evaporative Coolers	9- Health, Safety
R- IEQ	10- Commissioning

5. Handbook Preference. New Members and Associate Members receive a 12 month complimentary subscription to the Handbook Online, which includes access to the most recent 4 volumes of the Handbook. If you would like a print copy of the ASHRAE Handbook in addition to this subscription, please chose either IP or SI version below. Handbooks are printed and mailed to members annually in June.

I-P (inch/pound units), print with PDF
 SI (metric units), print with PDF
 PDF only (I-P & SI)

6. Privacy Notice If you DO NOT wish to receive 3rd party physical mailings, please check here.

7. Include chapter membership dues: Dues Amount: _____ Paying chapter dues is encouraged but not mandatory, and can be paid separately to the Chapter at anytime. Contact chapter officers for amount. Add this amount to your Society dues in the 'Total Amount' of the payment section below.

8. Payment. Visa Mastercard Amex Diner's Club Check/money order**

Card # _____ Expiration Date _____ / _____
 (Month) (Year)

Total Amount: _____ Signature _____

CHECKS WILL BE ACCEPTED IN US AND CANADIAN FUNDS. CREDIT CARD PAYMENTS ACCEPTED IN US FUNDS ONLY

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.

1. Contact Information. Mr. Miss Ms. Mrs. *Birthday (required) _____ / _____ / _____
 (Month) (Day) (Year)

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: \$21 Student Membership- Developing Economies Program (see reverse for qualifications) \$11

Printed Edition of the current ASHRAE Handbook: I-P SI Student Member Price: \$49.00

PDF 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 _____ / _____
 (Month) (Year)

Total Amount: _____ Signature _____

CHECKS WILL BE ACCEPTED IN US AND CANADIAN FUNDS. CREDIT CARD PAYMENTS ACCEPTED IN US FUNDS ONLY



Rochester Chapter - ASHRAE

Board of Governors Meeting

November 10, 2017 @ 7:30 AM

Day Automation, 7931 Rae Blvd, Victor, NY 14564

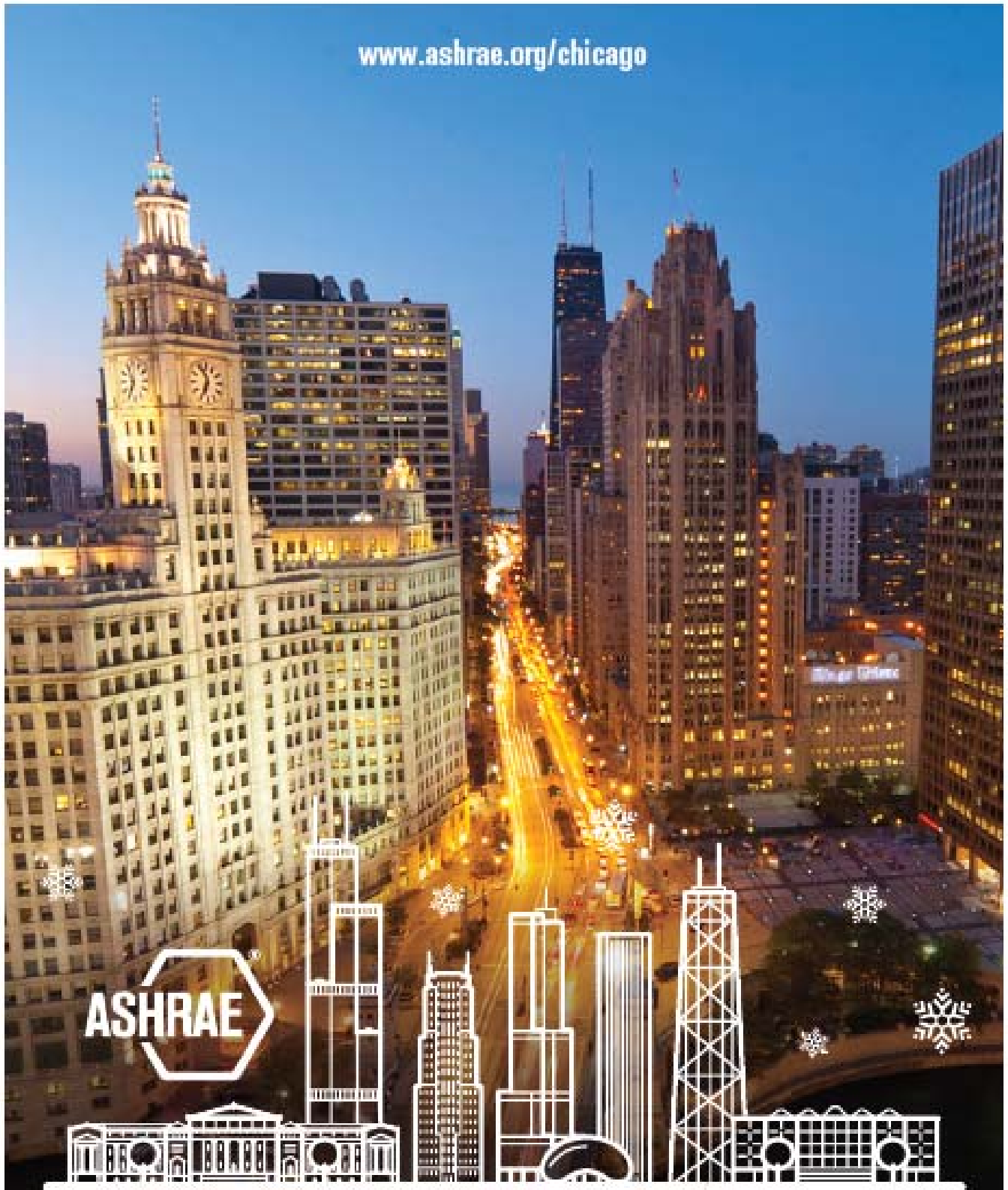
Meeting Minutes

X	Bill Clark	President / CRC Alternate
X	Paul Kenna	President Elect / Program
X	Tom Streber	Treasurer
	Mike Benedict	Secretary
X	Jeff Close	Immediate Past President & Nominating / CRC Delegate
	Sam Scorsone	Board of Gov. (3) & Refrigeration Co-Chair
	Steve Dear	Board of Gov. (3) & Website Chair
	George Herman	Board of Gov. (2) & Membership Promotion Chair (MP)
X	Marjani Wilson	Board of Gov. (1) & Grassroots Government Advocacy Co-Chair
	Jeff Wiedrick	Board of Gov. (1) & Chapter Technology Transfer Chair (CTTC)
	Matt Kremers	Board of Gov. (1) & Young Engineers in ASHRAE Chair (YEA)
X	Brett Fryover	Attendance Co-Chair
	Tim Duprey	Attendance Co-Chair
X	Jake Hall	Historian Chair
	Scott Edwards	Newsletter Editor
	Matt Devlin	Resource Promotion Chair (RP)
	Rob Hudson	Student Activities Chair (SA)
	Al Rodgers	Awards & Recognition Chair
	Bill Murray	Education
X	Mark Kukla	Publicity
	Jim Browe	Picnic/Golf Chair
		Buyers Guide
	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 Mark Kukla
 - Motion-Mark, Second-Tom
3. Review and Approval of Previous Meeting Minutes All
4. Treasurer Tom Streber
 - Current Statement Balances
 - i. Deposit sent for Valentine's Dinner
 - PayPal Account Updates
 - i. Bill working to streamline annual changeover
5. President Elect/Program Paul Kenna
 - Schedule
 - i. A speaker still needed for one lunch meeting and RES Symposium in April
 - PDHs have not been received by meeting attendees
6. Attendance Bret Fryover
 - Current reservations (72) for Monday
 - Should we broaden our distribution list?
7. CTTC Report Jeff Wiedrick
 - Project submission by April 1, 2018
 - Time will be set aside for CTTC awareness and flyers will be placed on tables at November meeting.
8. Membership Report George Herman
 - Current members
9. Student Activities Report Rob Hudson
 - Student chapter - Trying to coordinate schedule with RIT
 - We need volunteers for February Engineer's week
 - Ed Burns is working on setting up a meeting between ASHRAE members and MCC staff.
10. Education Report Bill Murray
 - Scholarship - MCC too?
 - Can RES keep the original award guidelines and manage the scholarship?
11. YEA Report Matt Kremers
 - 2017-18 Events
12. Awards & Recognition Report Al Rodgers
13. Resource Promotion Report Matt Devlin
 - Current vs. Goal
 - Full Circle Contributions
 - Donor Recognition Boards
14. Refrigeration Report Mike Nohle/Sam Scorsone
 - Refrigeration Meeting planned for December

15. Grassroots Government Advocacy Report Marjani Wilson/Tom Burke
- Planned activity - conference call w/ regional chair about Albany trip
16. Newsletter Report Scott Edwards
- Committee submissions
 - Newsletter deadline
 - RES deadline
17. Buyers Guide TBD
- Some chapters have links to vendor sites on their sponsorship pages.
 - Ed Burns and Bill Murray offered to help out with this.
18. Historian Report Jake Hall
- Planned activity
 - History presentation (table display) planned for November meeting
19. Publicity Report Mark Kukla
- Facebook, thank you notes to speakers, photos
20. Website Report Steve Dear/Kevin Wind
- Coordinate updates with Kevin
21. Nominating Report - committee to be formed Jeff Close
22. Valentines Dinner Dance Report Jody McGarry
- Schedule & Venue - Strathallan rooftop & band is booked, special room rate
23. Golf/Picnic Report Jim Browe
24. Women in ASHRAE Jaimee Wilson/Michelle Sommerman
- Planned Activities -Book club
25. Presidential Award of Excellence (PAOE)- Chairs please update online
26. New Business: None
27. Old Business:
- 2016-17 Audit and Audit Committee
 - Lynn Bellenger Hall of Fame Award- Can Region 1 reimburse family for Chicago ceremony?
28. Set next BOG Meeting date / time / place.
- Friday, December 8th @ 7:30 AM, Day Automation Office
29. Adjourn

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 (\$130 ASHRAE Member)

After January 2, 2018:
\$214 (\$160 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:

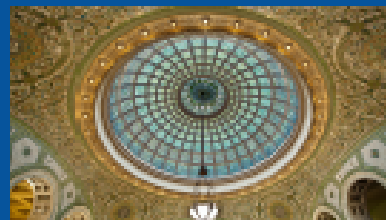
Commissioning | Energy Assessment | Energy Modeling | Healthcare Facility Design | High Performance Building Design | Building Operations.

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.

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.

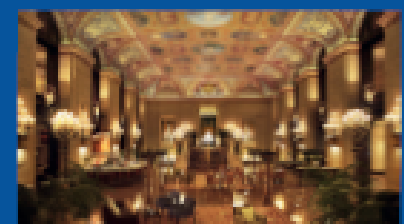
President's Luncheon

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

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



News

1791 Tullie Circle, NE · Atlanta, GA 30329-2305 · 404-636-8400 · www.ashrae.org

FOR IMMEDIATE RELEASE

MEDIA CONTACT:

Allen Haynes

404-446-1677

ahaynes@duffey.com

ASHRAE Earns Prestigious UN Environment Award for Dedication in Advancing Montreal Protocol

ATLANTA (Nov. 27, 2017) – ASHRAE has received the prestigious Partnership Award from the United Nations Environment Programme's (UN Environment) Ozone Secretariat for its extraordinary commitment and contribution to the progress and achievements of the Montreal Protocol on Substances that Deplete the Ozone Layer, which is celebrating its 30th anniversary.

The award was presented to ASHRAE at the 2017 Ozone Awards ceremony on Nov. 23 in Montreal. The Partnership Award recognizes the work of civil society and other international organizations that have played a critical role in the development of the Kigali Amendment and/or implementation of the Montreal Protocol.

"We could not be more pleased to have earned this recognition. Receiving the Partnership Award is a great honor and acknowledgment of the tireless work ASHRAE and our members are doing to support the phase-out

activities of ozone-depleting substances around the world," said 2017-2018 ASHRAE President Bjarne W. Olesen, Ph.D. "We are proud to be a part of this initiative and look forward to continuing our partnership with UN Environment as we work toward a more sustainable built environment."

Commonly referred to as "the treaty that saved the ozone layer," the Montreal Protocol, signed in 1987, is an international agreement designed to substantially reduce emissions of substances that deplete the stratospheric ozone layer. The Protocol has led to the phase-out of more than 99 percent of nearly 100 ozone-depleting chemicals and significantly contributed to climate change mitigation, according to UN Environment.

"I congratulate ASHRAE for this well-deserved award honoring its exceptional efforts to support the advancement of technologies which help protect the ozone layer. We appreciate the organization's dedication to the Montreal Protocol and its contribution to the success of the treaty," said Tina Birmpili, head of the Ozone Secretariat.

ASHRAE's partnership with UN Environment has been highly transparent and visible since it began and has been recognized with appreciation by governments around the world as well as the HVAC&R industry. Through ASHRAE's more than 56,000 members in more than 100 countries, the Society has mobilized its resources to develop, implement and support UN Environment and Montreal Protocol projects.

Most recently, ASHRAE and UN Environment launched a work plan titled, "Working Beyond High Global Warning Potential (GWP) Refrigerants." It is the organizations' fifth joint biennial work plan and is another tangible example of ASHRAE's dedication to promote the Montreal Protocol by leading the way in research to identify effective refrigerant alternatives with low GWP.

Another way ASHRAE is leading this charge is through its collaboration with the Air-Conditioning, Heating, and Refrigeration Institute (AHRI) and the U.S. Department of Energy (DOE). Through a \$5.2 million joint investment, the three organizations are funding vital research to expedite findings and establish a more robust fact base about the properties and use of flammable refrigerants, which will also help update international standards.



Photo by Francis Dejon| IISD/ENB

About the United Nations Environment Programme

The United Nations Environment Programme (UN Environment) is the leading global environmental authority that sets the global environmental agenda, promotes the coherent implementation of the environmental dimension of sustainable development within the United Nations system, and serves as an authoritative advocate for the global environment.

About ASHRAE

ASHRAE, founded in 1894, is a global society advancing human well-being through sustainable technology for the built environment. The Society and its more than 56,000 members worldwide focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability. Through research, standards writing, publishing, certification and continuing education, ASHRAE shapes tomorrow's built environment today. More information can be found at www.ashrae.org/news.

HVAC Design & Operation Training



Here's What Our Attendees Said About ASHRAE's HVAC Design & Operation Training

"This is years of experience and knowledge condensed into a priceless three-day event. It tackles most of the common issues you come across as a design engineer, and the instructors really go in-depth with practical examples from their work. I am very confident that I will have a great use for everything learned and highly recommend the course to someone just starting out as an HVAC engineer. Even if you've been in the industry for some time, this experience will be important."

Kannan S. — Syracuse, NY

You know you are in for a great training when you learn to improve your design on the first day! Great delivery from the Instructors, their experience comes through during the training."

Hugh G. (Design Engineer) — Kingston, Jamaica

"The ASHRAE HVAC Design Training provided me with the information needed in order to carry out my position responsibilities more effectively. The training aided in the design of high-performance HVAC systems that are optimized for occupant comfort and safety. I am eager to share what I have learned with my coworkers and to implement the newly attained knowledge

into my own HVAC design."
Aaron R. — Hancock, MI

Expand your knowledge and understanding of the fundamentals and technical aspects to design, maintain and operate new and existing HVAC systems. ASHRAE HVAC Design & Operation Training incorporates the latest information of Standards 55, 62.1, 90.1, 100 and 189.1.

ASHRAE Offers 12 Training Dates Throughout North America

Consulting Engineering Essential Training


City	Date	Registration
New Orleans, LA	March 29, 2018	Register

HVAC Design Training





City	Level I	Level II	Registration
Tampa, FL	Jan 8-10, 2018	Jan 11-12, 2018	Register
Las Vegas, NV	Feb 5-7, 2018	Feb 8-9, 2018	Register
Atlanta, GA	Feb 26-28, 2018	March 1-2, 2018	Register
St. Louis, MO	March 19-21, 2018	March 22-23, 2018	Register
New Orleans, LA	March 26-28, 2018		Register
Baltimore, MD	April 9-11, 2018	April 12-13, 2018	Register

Atlanta, GA	May 7-9, 2018	May 10-11, 2018
Toronto, ON	May 14-16, 2018	May 17-18, 2018
Halifax, NS		May 28-29, 2018
Jersey City, NJ	June 4-6, 2018	June 7-8, 2018
Vancouver, BC	June 11-13, 2018	June 14-15, 2018

Participate in in-depth, practice-focused training that leads to improved building performance.




Get To Know ASHRAE

To avoid having ASHRAE messages blocked by spam-blocking software, add learninginstitute@ashrae.org to your address book.

You are receiving this email from ASHRAE because you are a member, purchased a product/service, or requested to be notified of educational opportunities from ASHRAE. To no longer receive these updates, [unsubscribe or manage your email preferences](#).



1791 Tullie Circle, NE
 Atlanta, Georgia 30329
www.ashrae.org | [Privacy Policy](#)