

ASHRAE Rochester



VOLUME 12, ISSUE 5

JANUARY 2018

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January ASHRAE Meeting

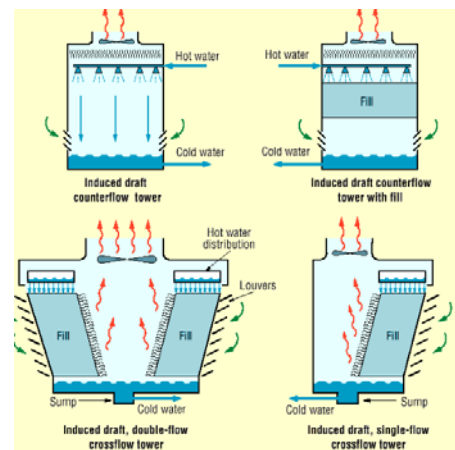
Topic: YEA Technical Session Presentation & ASHRAE Presentation

Presenter: Matt Shank, Evapco

When: Monday January 8th, 2018 at 10:30am and 12:15pm

Where: City Grill
384 East Ave, Rochester

Cost: \$25.00



Please RSVP by noon Friday, January 5th to Bret Fryover
fryoverb@erdmananthony.com

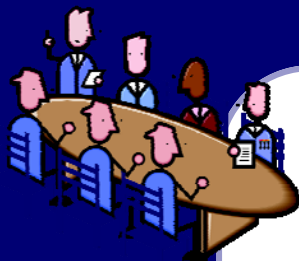
Or

ASHRAE.Rochester@gmail.com

(2) PDH's Approved!

See page 5 for more details

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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, 1/8/2018	"Adiabatic Cooling and Cooling Tower NYS Regulations" <i>Presented by: Matt Shank from Evapco</i>	<i>PDH Approved</i>	City Grill @ 12:00 PM
Friday, 2/9/2018	<i>ASHRAE Valentines Dinner Dance</i>	---	
Monday, 2/12/2018	Optimizing Ventilation Design, The ASHRAE Multi-Space Equation <i>Presented By: Bob Feduik , Carrier Corp</i>	<i>Membership Promotion</i>	City Grill @ 12:00 PM
		<i>PDH Approved</i>	
Monday, 3/12/2018	"Energy and Flow Measurements in Hydronic Systems" <i>Presented By: Onicon</i>	<i>Resource Promotion (PDH Pending)</i>	City Grill @ 12:00 PM
Monday, 4/9/2018	<i>TBD</i>	<i>Refrigeration Night (PDH Pending)</i>	City Grill @ 12:00 PM
TBD - May 2018	<i>Annual Picnic / Golf Outing</i>	---	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 January Message

January Newsletter 2018
President's Message

Our meeting in December was on Refrigeration Compressors presented by Michael Collins from Eagle Bay Refrigeration. We appreciate Michael taking the time to share his expertise with our chapter. Thank you to everyone that attended.

The ASHRAE Winter Conference and AHR Expo is quickly approaching on January 22nd through 24th in Chicago, IL. The ASHRAE Learning Institute is offering many courses during the conference. If you would like to attend the conference or any of the courses, more information can be found at <http://ahrexpo.com>.

On Friday, February 9th, 2018 the Rochester ASHRAE Chapter will be hosting is 61st Annual Valentine Dinner Dance. Jody and Matthew McGarry put on a fantastic event. Please consider contributing to this event and joining us. It is a terrific time with fantastic food, music and fun.

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, 2017-2018 President

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

January 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.

January ASHRAE Meeting << PDH APPROVED!>>

Date: Monday, January 8th, 2018

Location: City Grill
Cost: \$25.00 (flat rate for one or both presentations, including buffet lunch)

Time: 10:30 AM YEA Technical Session Presentation
Speaker: Matt Shank, Evapco
Topic: Fundamentals of Cooling Towers and Closed Loop Fluid Coolers
Note: (1) PDH—Approved!

11:30AM Break for lunch

Time: 12:15 PM ASHRAE Presentation
Speaker: Matt Shank, Evapco
Topic: Adiabatic Cooling Solutions with a Comparison to Traditional Closed Loop Fluid Coolers
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 ... ASHRAE.Rochester@gmail.com or fryoverb@erdmananthony.com

Highlights from December ASHRAE Meeting

Michael Collins from Eagle Bay Refrigeration reviews a basic refrigeration system, which was then followed by a discussion on the basic operations of each type of compressors: reciprocating, screw and scroll. The presentation ended with a brief review on the refrigerant changes and how they relate to the current phase-out schedule.





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: 595
▶ RP	Par: 1050	Min Points: 800	Total Points: 700
▶ Student Activities	Par: 500	Min Points: 300	Total Points: 200

Like us on Facebook!

Visit our new Facebook page by searching for “ASHRAE 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.

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.



Research Promotion Report

I'd like to thank everyone who was able to join us for this year's donor recognition meeting in December. It was great to see so many of our donors, and to allow them to be recognized for their important contributions to this vital part of our industry.

We are just about at the halfway point in our 2017-2018 campaign year and we have already raised nearly \$11,500 of \$20,500 goal. I'd like to encourage everyone to consider supporting this year's campaign, and to get the donations in early since we still have a way to go to meet our goal!

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

Student Activities

ASHRAE and National Engineers Week

Promoting engineering to youth in the community has become more important than ever. To celebrate this year's National Engineers week (February 18 - 24, 2018) ASHRAE members will be reaching out to youth in the surrounding communities.

Founded by NSPE in 1951, National Engineers Week is dedicated to ensuring a diverse and well-educated future engineering workforce. During this week long recognition program, engineers are encouraged to speak with youth about the importance of engineering and technology in today's world.

We are looking for anyone who is interested in taking the time to contribute to our communities! We have a few volunteers, but could always use more!

If you'd like to get involved, please reach out to me directly at rhudson@ibceng.com.

Rob Hudson, PE, BEMP, CEM
Student Activities Chair



Shaping Tomorrow's
Built Environment Today

ASHRAE Membership Application

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

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- Commisioning

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



Dear ASHRAE Member,

As you know, time is flying by so quickly. So, we're coming to you early this year. ASHRAE's Annual 61st Valentine's Dinner Dance will be on February 9th, 2018 at the beautiful "Rooftop" at the Strathallan.

ASHRAE is asking for your corporate sponsorship to help alleviate the cost to our Chapter. Your sponsorship will allow us to have an elegant evening with passed hors d'oeuvre, flowers and chocolates for the ladies, boutonnieres for the men, a four-course dinner, special desserts and a live band for dancing the winter blues away.

There are three ways to participate. Become a Platinum Sponsor for \$875, you will have a reserved table for eight. Become a Gold Sponsor for \$375, with this you will receive dinner for two and the same recognition. Or buy tickets for \$75 per person. For our Y.E.A. members, tickets are \$60.

As always, your sponsorship will be listed in the dinner program and dance flyers, as well as being listed in a full-page advertisement in the R.E.S. monthly publication. You will certainly be recognized by your peers as an ASHRAE supporter.

An invoice is attached for your convenience. We thank you for your support and look forward to sharing this fantastic evening with you!

P.S. The Strathallan has given us a special room rate of \$159! Book your room and spend the night. Make Valentines extra special.

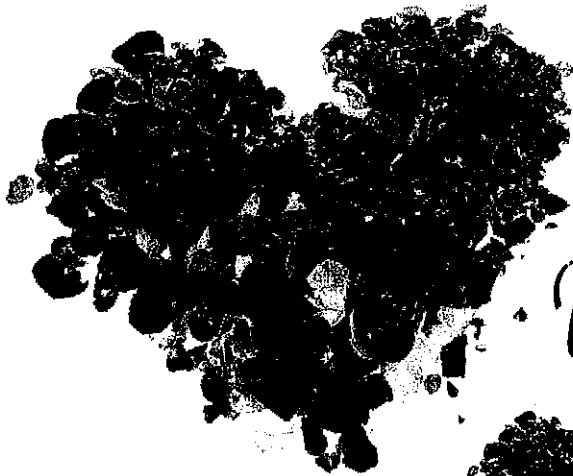
Very truly yours,

Jody McGarry

Valentine Dance Committee

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

A N I N T E R N A T I O N A L O R G A N I Z A T I O N



You are cordially invited to the

61st Annual Valentine's Dinner Dance

Hosted by ASHRAE Rochester

Friday, February 9, 2018

The Strathallan Hotel & Spa
550 East Ave
Rochester, New York

7:00pm Reception - Hors d'oeuvres & cocktails

8:00pm Dinner - As you select

9:15pm Dessert, Coffee and Dancing

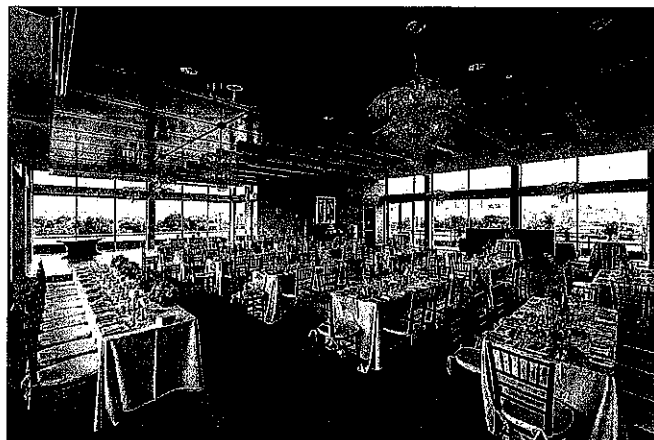
Menu Selections

Roasted Soy-Miso & Maple Glazed Chilean Sea Bass

Herb Roasted Free Range Chicken Breast

Wood Roasted 4oz. Filet & Red Wine Beef Shortrib

Chef's Choice Vegetarian Option Available



For reservations, please mail or fax this registration form by January 22, 2018.

Make checks payable to Rochester Chapter ASHRAE and mail to:

Jody McGarry

ABR Wholesalers, Inc.

510 North Goodman Street

Rochester, New York 14609

Phone (585) 482-3601 | Fax (585) 482-6698

Name: _____ Beef · Chicken · Fish · Vegetarian

Name: _____ Beef · Chicken · Fish · Vegetarian

Number of people ___ x \$75* per person = \$_____ (enclosed)

*Special price of \$60 per person for members of the Y.E.A.

Stay at The Strathallan for \$159 a night!



Invoice

Advertising for February 2018 Promotion

(Check One) *BOLD* Sponsor: \$375 *PLATINUM* ~~Gold~~-Level Sponsor: \$875

Please make check payable to: ROCHESTER CHAPTER ASHRAE and mail to:

Rochester Chapter ASHRAE
c/o ABR Wholesalers, Inc.
ATTN: Jody McGarry
510 North Goodman Street
Rochester, NY 14609

Commitment

We would like to support the Rochester ASHRAE 2018 Promotion and agree to fulfill our commitment.

Company Name _____

Signed by _____

Date signed _____

Please return your check or commitment no later than January 22, 2018 to ABR Wholesalers, Inc. Thank you for your support.

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

AN INTERNATIONAL ORGANIZATION



Rochester Chapter - ASHRAE

Board of Governors Meeting

December 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
X	Tom Streber	Treasurer
X	Mike Benedict	Secretary
	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
X	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)
X	Matt Kremers	Board of Gov. (1) & Young Engineers in ASHRAE Chair (YEA)
X	Bret Fryover	Attendance Co-Chair
	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 |
| • 7:34 | |
| 2. Roll Call | Mike Benedict |
| 3. Review and Approval of Previous Meeting Minutes | All |
| • Motion - Tom, Second - Paul | |
| 4. Treasurer | Tom Streber |
| • Current Statement Balances | |
| • PayPal Account Updates | |
| 5. President Elect/Program | Paul Kenna |
| • Schedule | |
| i. PDH approved for Monday | |
| ii. All scheduled through March meeting | |
| • Evaluation forms | |
| 6. Attendance | Bret Fryover |
| • Current reservations | |
| i. Just under 50 for Monday's meeting - so far | |
| • Tracking members vs. non-members | |
| • There may be opportunity to increase efficiency by integrating the website | |
| 7. CTTC Report | Jeff Wiedrick |
| • Project submission by April 1, 2018 | |
| 8. Membership Report | George Herman |
| • Current members | |
| i. 288 | |
| ii. 4 new | |
| 9. Student Activities Report | Rob Hudson |
| • Student chapter | |
| i. Working on meeting with RIT | |
| 1. Has student interest | |
| 2. Working with students on senior design project | |
| ii. MCC currently stagnant but still working in it | |
| • Do we need volunteers for February Engineer's week? | |
| i. Could use more volunteers | |
| ii. Collecting old ASHRAE books for donation to schools / colleges | |
| iii. Local high schools have interest | |
| iv. SUNY Oswego also interested | |
| v. Hit harder after the new year | |
| • Ed Burns is working on setting up a meeting between ASHRAE members and MCC staff. | |
| 10. Education Report | Bill Murray |
| • Scholarship | |
| i. Drafted letter to RES approved unanimously (with the addition of ME as well as MET students) | |
| 11. YEA Report | Matt Kremers |
| • 2017-18 Events | |

- i. YEA tech session looking to immediately precede or proceed the January lunch meeting
 - ii. Evening tech session on controls - March
 - iii. Leadership weekend is advertised

- 12. Awards & Recognition Report Al Rodgers

- 13. Resource Promotion Report Matt Devlin
 - Current vs. Goal
 - Donor Recognition Banners
 - i. For Monday's meeting (Donor recognition)
 - Full circle met

- 14. Refrigeration Report Mike Nohle/Sam Scorsone
 - Refrigeration Meeting planned for December

- 15. Grassroots Government Advocacy Report Marjani Wilson/Tom Burke
 - Planned activity
 - i. Area Grassroots committee chairs meeting in Albany
 - ii. Grassroots webinar for PAOE in April
 - iii. Newsletter presence

- 16. Newsletter Report Scott Edwards
 - Committee submissions
 - Newsletter deadline
 - RES deadline

- 17. Buyers Guide TBD
 - Move to business card adds for newsletter and website
 - i. Approved unanimously

- 18. Historian Report Jake Hall
 - Planned activity November

- 19. Publicity Report Mark Kukla

- 20. Website Report Steve Dear/Kevin Wind
 - Coordinate updates with Kevin

- 21. Nominating Report Jeff Close
 - Committee is formed
 - (3) speakers lined up for Symposium

- 22. Valentines Dinner Dance Report Jody McGarry
 - Schedule & Venue - Strathallan rooftop is leading option
 - Sponsorship letters distributed

- 23. Golf/Picnic Report Jim Browe

- 24. Women in ASHRAE Jaimee Wilson/Michelle Sommerman

- 25. Presidential Award of Excellence (PAOE)

- 26. New Business:

27. Old Business:

- 2016-17 Audit and Audit Committee
- Lynn Bellenger Hall of Fame Award
 - i. Jan. 20th at Winter meeting

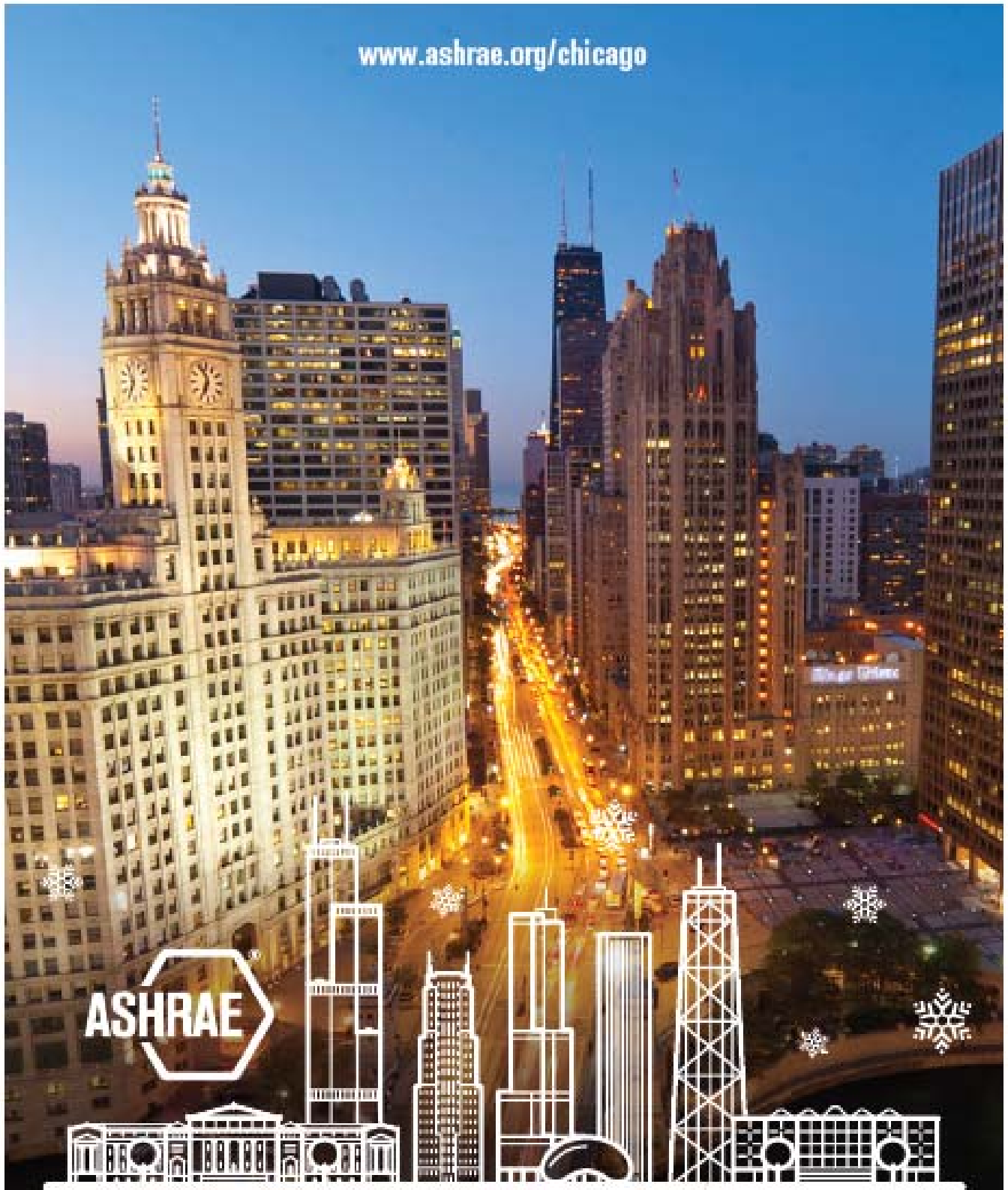
28. Set next BOG Meeting date / time / place.

- Friday, January 5 @ 7:30 AM, Day Automation Office

29. Adjourn

- 8:38

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:

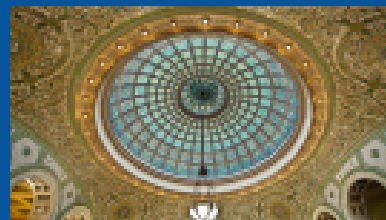
Commissioning | Energy Assessment | Energy Modeling | Healthcare Facility Design | High Performance Building Design | Building Operations.

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.

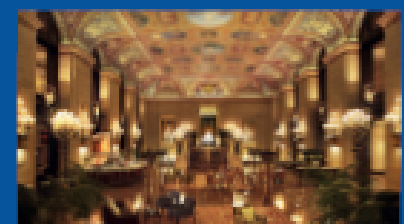
President's Luncheon

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/\$900 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

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

uponor



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

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. 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

The Benefits of an ASHRAE Certification

SHINE IN A RISING FIELD

Certification validates critical job knowledge, skills and abilities in a given practice area.

GAIN A COMPETITIVE EDGE

ASHRAE certifications are recognized by over 30 national, state and municipal entities.

DISTINGUISH YOURSELF

Use the ASHRAE Certified logo and designation—e.g. Curtis Smith, BEAP, BEMP—in email signatures, professional networking and business cards to enhance your reputation.

LET ASHRAE PROMOTE YOUR ACHIEVEMENT

Certificants and their employers are listed on the website and in ASHRAE *Insights*.



5 Easy Steps to Earn and Maintain an ASHRAE Certification

1. Read the *Candidate Guidebook*

Visit www.ashrae.org/certification and download the guidebook for the program in which you are interested.

2. Complete the Application

Complete the online application at www.ashrae.org/certification. Membership in ASHRAE is not a requirement for certification.

3. Schedule an Examination

BEAP, BEMP, CPMP, HBDP, HFDP and OPMP examinations are offered at over 300 conveniently located computer-based testing centers worldwide. Candidates may schedule an examination appointment online or by telephone.

4. Review Available Resources

The *Candidate Guidebook* for a program identifies available resources, including practice exams, that may help candidates gain an understanding of the body of knowledge that the examination tests. Purchase of books or course registrations is not a prerequisite to taking any ASHRAE certification examination.

5. Renew the Certification

Each certification is renewable every three years. To retain certification, each certification holder must earn 45 Professional Development Hours (PDHs) during the three year period following initial certification or the last renewal.

Schedule an exam at one of over **300 testing centers** worldwide
TODAY!

To learn more or apply, please go to
www.ashrae.org/certification

\$545 (\$395 ASHRAE Members) per certification application

ASHRAE has Certified More Than
2,300 Built Environment Professionals.

Are You Ready to Join Them?



Validation. Pride. Recognition.

"Because of the high level of expertise, professionalism and ethics demonstrated by ASHRAE, achieving certification under their established requirements implies one of the highest levels of competence and knowledge available in the industry."

Jeffrey G Ross-Bain, BEMP, Ross-Bain Green Building, LLC



ASHRAE, the standard setter for sustainable building performance and system design and operation, validates through certification the critical knowledge, skills and abilities of professionals in six key, built-environment fields.

Recognized by over 30 national, state and local government bodies – and with over 2,300 certifications earned – ASHRAE certifications increasingly have become the must-have credential for built-environment professionals.

Building Energy Assessment Professional (BEAP)

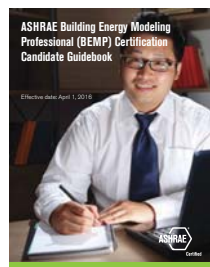


The growing emphasis on energy consumption reduction and cost savings has highlighted the need for credible specialists who assess energy use in buildings. The BEAP certification validates competency to *audit, assess and analyze residential, commercial and industrial building energy use and develop and implement recommendations.*

The BEAP certification is integral to ASHRAE's Building Energy Quotient (bEQ) program, as is its BEMP certification.

Together, the programs provide a valuable toolkit when it comes to the evaluation and reduction of building energy use. Two separate Workbooks, As Designed and In Operation, are part of the bEQ program. Submitting both of these Workbooks can earn an As Designed and In Operation building rating. Only those certified as BEAPs, or Professional Engineers licensed in the jurisdiction where a bEQ project is located, may submit the In Operation Workbook. Additionally, only BEAPs (and BEMPs whose certification relates to the As Designed Workbook) may display the bEQ Certified Provider logo with descriptions of their services. For more information about bEQ, visit www.buildingenergyquotient.org.

Building Energy Modeling Professional (BEMP)



The BEMP certification validates competency to *evaluate, select, implement, calibrate and interpret the results of energy modeling software when applied to new and existing building and systems energy performance.*

The BEMP certification complements ASHRAE's Building Energy Quotient (bEQ) program by helping to ensure that only qualified practitioners can submit As Designed Workbooks to receive building ratings from ASHRAE. Only those certified as

BEMPs, and Professional Engineers licensed in the jurisdiction where a bEQ project is located, may submit the As Designed Workbooks to ASHRAE. Like BEAPs who may submit In Operation bEQ Workbooks, BEMPs may display the bEQ Certified Provider logo with descriptions of their services. For more information about bEQ, visit www.buildingenergyquotient.org.

Commissioning Process Management Professional (CPMP)



The CPMP certification validates competency to *develop and manage the whole building commissioning process.*

Many building owners look for ways to lower energy bills, reduce change orders during construction, avoid premature equipment replacement costs, and create safer and healthier buildings. Building commissioning measures and tunes up performance of existing buildings and ensures that new buildings begin their lifecycle at optimal productivity.

High-Performance Building Design Professional (HBDDP)



The HBDDP certification, an ANSI accredited certification program, validates competency to *design and integrate sustainable HVAC&R systems into high performing buildings.*

Today's building design market requires use of ground-breaking technologies in new and existing structures to meet the need of building owners.

Healthcare Facility Design Professional (HFDP)



The HFDP certification validates competency to *incorporate standards, guidelines and regulatory codes as well as unique healthcare facility requirements and design principles in HVAC system design.*

Growing numbers of aging medical facilities, advances in technology, shifting environmental requirements and an increasingly older population have created a critical need for expansion and renovation of healthcare facilities.

Operations & Performance Management Professional (OPMP)



The OPMP certification validates competency to *manage facility operations and maintenance to achieve building performance goals, including those related to indoor environmental quality, health and safety.*

Today's complex buildings can fade from green to gray when building operators don't realize the full potential of the systems they manage. Staying current with the latest facility operation strategies and technologies can reduce energy use in buildings by 10% to 40%.

Building Commissioning Professional (BCxP) Coming Soon!

The ASHRAE BCxP certification will validate competency to *lead, plan, coordinate and manage a commissioning team to implement commissioning processes in new and existing buildings, against scheme requirements set forth in the Better Buildings Workforce Guidelines, with the goal of achieving Department of Energy (DOE) recognition of services provided by these certificants by the spring of 2017.*

Application opens September 15, 2016 for the very first BCxP exam administration to be held February 1, 2017 at the ASHRAE Winter Conference in Las Vegas.

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