

ASHRAE Rochester



VOLUME 12, ISSUE 3

NOVEMBER, 2017

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November ASHRAE Meeting

Topic: Advancements in Variable Speed Control of Centrifugal Pumps

Presenter: Michael T. Licastro, Armstrong Fluid Technology

When: Monday November 13th, 2017 at 12pm

Where: City Grill
384 East Ave, Rochester

Cost: \$25.00

IVS Sensorless
Variable Speed Pumps



Please RSVP by noon Friday, November 10th to Bret Fryover
fryoverb@erdmananthony.com

Or

ASHRAERochester@gmail.com

PDH Approved!

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



Chapter Officers

President

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

President Elect

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

Treasurer

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

Secretary

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

Committee Chairs

CTTC

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

Grassroots Government Advocacy

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

Refrigeration Co-Chairs

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

Historian

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

Membership

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

YEA

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

Student Activities

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

Board of Governors

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

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

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

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

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

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

Education

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

Newsletter Editor

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

Attendance

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

Publicity

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

Research Promotion

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

Webmaster

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

Nominating / Past President

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

Buyer's Guide

TBD

SAVE THE DATE

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

ASHRAE 2017-2018 Meeting Schedule			
Date	Event	Theme	Location
Monday, 11/13/2017	VFD Pumping Technology <i>Presented By: VJ Stanley and Armstrong</i>	<i>History Review</i> <i>PDH Approved</i>	City Grill @ 12:00 PM
Monday, 12/11/2017	"Overview of Refrigeration Compressors" <i>Presented By: Michael Collins, Eagle Bay Refrigeration</i>	Refrigeration Night	City Grill @ 12:00 PM
		Resource Promotion <i>PDH Approved</i>	
Monday, 1/8/2018	TBD	<i>(PDH Pending)</i>	City Grill @ 12:00 PM
TBD - Feb 2018	<i>ASHRAE Valentines Dinner Dance</i>	---	
Monday, 2/12/2018	TBD	<i>Membership Promotion</i> <i>(PDH Pending)</i>	City Grill @ 12:00 PM
Monday, 3/12/2018	TBD	<i>Resource Promotion</i> <i>(PDH Pending)</i>	City Grill @ 12:00 PM
Monday, 4/9/2018	TBD	<i>Refrigeration Night</i> <i>(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 November Message

November Newsletter 2017
President's Message

At last month's Chapter Meeting we handed out the following awards that were received at the 2017 CRC.

- Jeff Close, President = Most Improved Chapter Performance
- Jeff Close, President = Presidential Award of Excellence - Star Award
- Bill Clark, President-Elect = Chapter Programs Outstanding Performance
- Scott Edwards, Newsletter = Black Ink Award
- Rob Hudson, Student Activities = Student Activities Most Improved Runner-up
- Matt Devlin, Resource Promotion = Award for Exceeding Goal
- Matt Devlin, Resource Promotion = Full Circle Chevron
- Matt Devlin, Resource Promotion = Endowment Chevron
- Chapter Service Awards
 - Jeff Close
 - Christina Walter
 - Michelle Sommerman
 - Jody McGarry
 - Stephen Maybeck
 - Barb Herl
 - Jeff Davis
 - Jim Browe



Bill Clark, 2017-2018 President

I would like to thank Travis Kreft of Greenheck Dampers for his "Life Safety Dampers" presentation. His insights and knowledge of fire and smoke dampers was very informative. This topic was well received and enjoyed by all. Our November Chapter meeting will be held on November 13th. During this meeting our Chapter Historian, Jake Hall will make a brief history presentation along with a feature presentation. We hope to see you at our November Meeting.

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

November 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, November 13th, 2017

Location: City Grill

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

Cost: \$25.00

Speaker: Michael T. Licastro, Armstrong Fluid Technology

Topic: Advancements in Variable Speed Control of Centrifugal Pumps

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 November 10th to Bret Fryover

Phone: 585.563.5152 or e-Mail ... ASHRAERochester@gmail.com or fryoverb@erdmananthony.com

Highlights from October ASHRAE Meeting

Travis Krest from Greenheck discusses the latest updates to the various codes, as it relates to the Fire Smoke Damper industry



(Above) George Herman announces the winner of the 50/50 raffle, which was won by Tony Pipitone Jr.





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.



Research Promotion Report

This month, I'd like to take a moment to highlight the purpose and structure of the RP Campaign.

What is the RP Campaign? _

The RP Campaign is an annual fundraising campaign benefiting the funding of numerous ASHRAE Programs. These programs include:

ASHRAE Research

ASHRAE Scholarships for undergraduate students

ASHRAE Learning Institute (ALI) development of new courses & materials

Graduate Research Projects (Grants-in-Aid)

Young Engineers in ASHRAE (YEA) Leadership Training

Permanently endowed support to all of the above programs

The RP Campaign is overseen by the RP Committee, a standing ASHRAE Committee. The Committee is made up of 14 Regional Vice Chairs (RVC), 1 Consultant (past RVC), 3 Vice Chairs (past Consultant), and Chair (past Vice Chair). Staff support includes a 3-member team based at ASHRAE Headquarters. The RP Campaign raises over \$2.2 million a year from over 6,000 donors. These donors are made up of ASHRAE Members, industry associations, and industry organizations.

If you need further information please contact myself or RP Staff – rp@ashrae.org - they'll be happy to help answer your questions or direct you to another staff member who specializes in that area.

Just a reminder that our Donor Recognition meeting is coming up on December 11th, I hope we have a good turnout to say thanks to all of our donors. 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



Membership Application Table

Starting in November, we will have a dedicated member recruitment table at our monthly meetings. At this table, interested applicants will have the opportunity to speak with a membership promotion committee member about joining. We will have a few paper applications along with a laptop for electronic membership applications.

There will be someone available 30 minutes before and after the meeting to assist you or a co-worker in joining this great organization. The enrollment only takes a few minutes.

This table will also double as a meeting spot for new members. Anyone interested in meeting the Chapter Officers, BOG's, or Committee Chairs are welcome to stop by and we can coordinate a meet and greet.

Please consider stopping by the table during our next meeting at the City Grille on Monday November 13th, 2017. Looking forward to seeing you there.

Thanks,

A handwritten signature in black ink, appearing to be "G. Herman", with a stylized flourish at the end.

George Herman
MP Chair / BOG-2nd



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 License Number _____ Field of Registration _____
 Registration Information Date Issued _____ 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 Professor
G- VP Eng. Chief Engineer	Y- Student
K- Design Eng./Designer	Z- Librarian
L- Proj./Application Eng.	ZZ- Other
O- Facility Eng./Mngr.	
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

October 13, 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)
	Matt Kremers	Board of Gov. (1) & Young Engineers in ASHRAE Chair (YEA)
X	Brett Fryover	Attendance Co-Chair
X	Tim Duprey	Attendance Co-Chair
	Jake Hall	Historian Chair
	Scott Edwards	Newsletter Editor
	Matt Devlin	Resource Promotion Chair (RP)
	Rob Hudson	Student Activities Chair (SA)
	Al Rodgers	Awards & Recognition Chair
	Bill Murray	Education
	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 Mike Benedict
3. Review and Approval of Previous Meeting Minutes All
 - Motion-Paul, Second-George
4. Treasurer Tom Streber
 - Current Statement Balances
 - Everything on track
 - PayPal Account Updates
 - i. Bill to look into procedure for SS# transfer moving forward.
 - ii. Paul to look into ESL payment services.
5. President Elect/Program Paul Kenna
 - Schedule
 - Evaluation forms
6. Attendance Bret Fryover
 - Clam bake - 96 total
 - Current reservations
 - i. About 40 right now
 - Tracking members vs. non-members
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
 - Centralized Training
 - i. Received some good training
 - Current members - 277
 - (2) new, (1) advancement,
 - George to set up a table at meetings to try out immediate membership options.
9. Student Activities Report Rob Hudson
 - Student chapter
 - Do we need volunteers for February Engineer's week?
 - Grassroots may be involved
10. Education Report Bill Murray
 - PDH approved for October meeting
 - Scholarship
 - i. RES can keep the original award guidelines and manage the scholarship.
 - ii. Hybrid RES management with ASHRAE BOG final approval of applicant.
 1. ASHRAE final approval will follow the original guidelines as best as possible.
11. YEA Report Matt Kremers
 - 2017-18 Events

12. Awards & Recognition Report Al Rodgers
- Update Bios
13. Resource Promotion Report Matt Devlin
- Current vs. Goal
 - Full Circle Contributions
 - i. Due November
 - Donor Recognition Boards
 - i. Had samples at clambake - feedback was they look great!
14. Refrigeration Report Mike Nohle/Sam Scorsone
- Refrigeration Meeting planned for December
 - Working on April tour
15. Grassroots Government Advocacy Report Marjani Wilson/Tom Burke
- Planned activity
 - i. Toward end of year
 - ii. Look into an [code] official presenting at a meeting
 - Create a meeting invite list for officials?
16. Newsletter Report Scott Edwards
- Committee submissions
 - i. Any committees please create a report.
 - Newsletter deadline
 - RES deadline
17. Buyers Guide TBD
- How should we proceed with this?
 - Should we rename to “Sponsors” and do business card ads?
 - i. Check on if we are allowed to link to external website
 - Ed Burns and Bill Murray offered to help out with this.
18. Historian Report Jake Hall
- Planned activity
 - History presentation planned for November meeting
 - Proposed topic - Charles Lynch as we progress on giving out scholarship.
19. Publicity Report Mark Kukla
20. Website Report Steve Dear/Kevin Wind
- Coordinate updates with Kevin
21. Nominating Report Jeff Close
22. Valentines Dinner Dance Report Jody McGarry
- Schedule & Venue - Strathallan rooftop
 - i. Has deposit been paid?
23. Golf/Picnic Report Jim Browe
24. Women in ASHRAE Jaimee Wilson/Michelle Sommerman
- Planned Activities

25. Presidential Award of Excellence (PAOE)

26. New Business:

- Membership RGC looking at joint ski day at Bristol

27. Old Business:

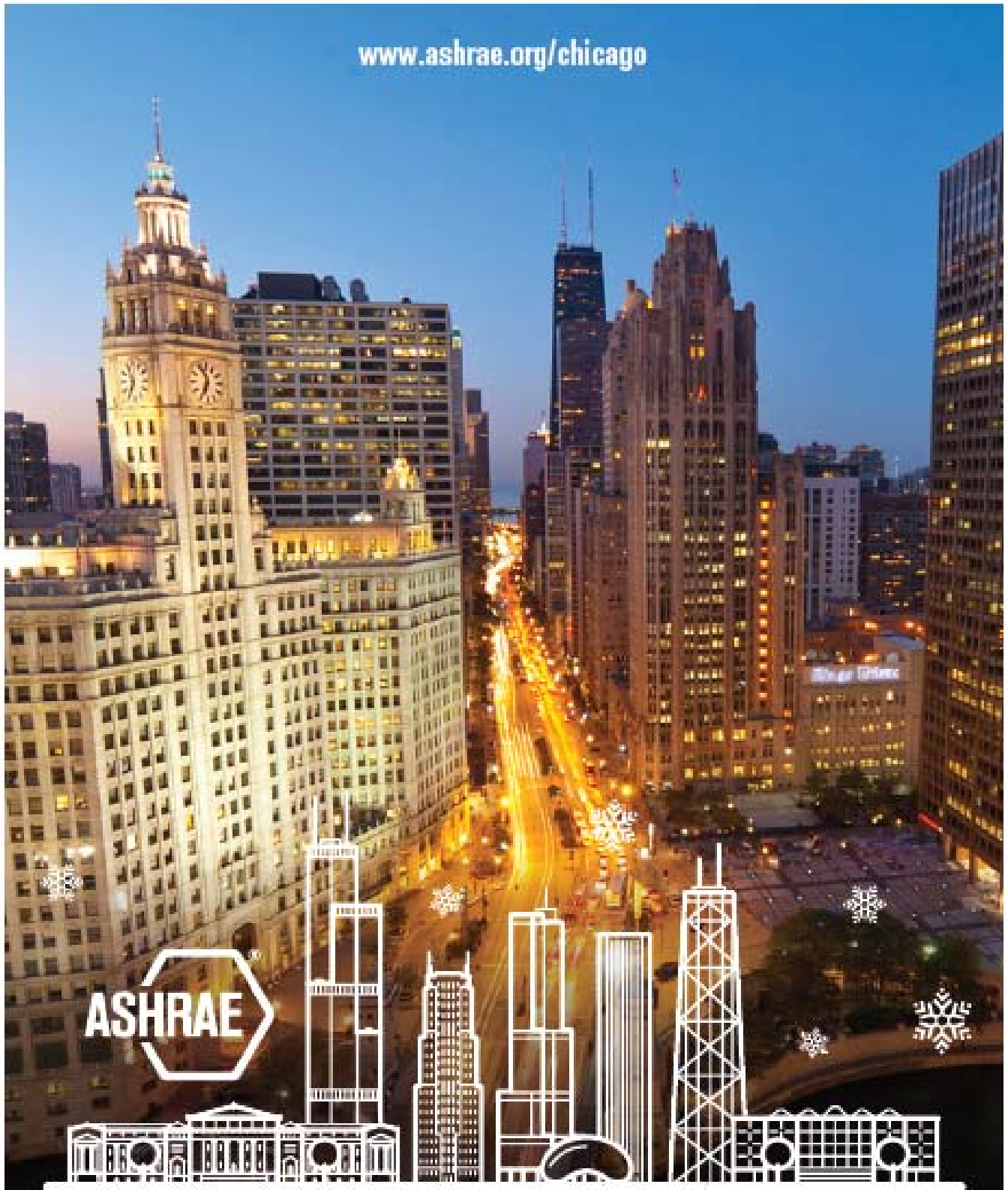
- MBOs
- 2016-17 Audit and Audit Committee
 - i. Check deadlines in MOPS
- Lynn Bellenger Hall of Fame Award Nomination
 - i. ASHRAE has voted to induct Lynn into ASHRAE Hall of Fame
 - ii. Saturday Jan. 20 in Chicago she will be inducted at Planery Session.
 - iii. Neil and his wife will attend to accept on her behalf
 - 1. His expenses will be offered to be covered between society and region 1 and Rochester.

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

- Friday, November 10 @ 7:30 AM, Day Automation Office

29. Adjourn 8:48

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:

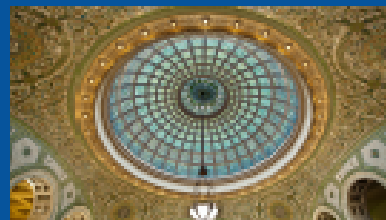
Commissioning | Energy Assessment | Energy Modeling | Healthcare Facility Design | High Performance Building Design | Building Operations.

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.

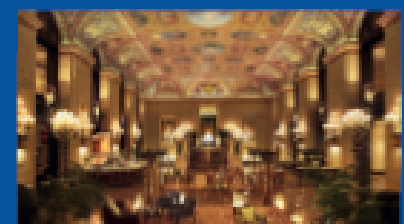
President's Luncheon

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