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

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

PDH Approved!
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  
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mike@airsystemsbalancing.com

Committee Chairs

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

**Grassroots Government Advocacy**
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tom.burke@wegmans.com

**Refrigeration Co-Chairs**
Michael Nohle (585) 545-5522  
mnohle@meiersupply.com  
Sam Scorsone, PE (585) 429-3925 ext 3925  
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**Historian**
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jhall@proairplus.com

**Membership**
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george@hermanhvac.com

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

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

Board of Governors

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william.clark@DayAutomation.com

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tstreber@jwswanson.com

**Secretary**
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**Research Promotion**
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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

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jwiedrick@bergmannpc.com

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rhudson@ibceng.com
SAVE THE DATE

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

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Theme</th>
<th>Location</th>
</tr>
</thead>
</table>
| Monday, 11/13/2017 | VFD Pumping Technology  
Presented By: VJ Stanley and Armstrong | History Review  
PDH Approved | City Grill  
@ 12:00 PM |
| Monday, 12/11/2017 | "Overview of Refrigeration Compressors"  
Presented By: Michael Collins, Eagle Bay Refrigeration | 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 | TBD                                           | Membership Promotion  
(PDH Pending)   | City Grill  
@ 12:00 PM |
| Monday, 3/12/2018 | TBD                                           | Resource Promotion  
(PDH Pending)   | City Grill  
@ 12:00 PM |
| Monday, 4/9/2018  | TBD                                           | Refrigeration Night  
(PDH Pending)   | City Grill  
@ 12:00 PM |
| TBD - May 2018    | Annual Picnic / Golf Outing                  | ...                          | 11:00 AM Golf  
5:30-8:00 Picnic |

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.

Vision Statement

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

Shaping Tomorrow’s Built Environment Today
President’s 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

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 Kreft 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.
Job Postings & Help Wanted

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

If you are interested in utilizing this FREE service provided by the Rochester Chapter, please contact our Chapter President, 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

<table>
<thead>
<tr>
<th>Category</th>
<th>Par</th>
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<th>Total Points</th>
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<td>Student Activities</td>
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Fiscal Year: 2017-2018

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 on 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,

George Herman
MP Chair / BOG-2nd
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 ASHRAE xChange.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.
**1. Contact Information.**

- Mr. [ ] Miss [ ] Ms. [ ] Mrs. [ ] Dr. [ ]
- *Birthday (required) _______ / _______ / _______

<table>
<thead>
<tr>
<th>Name</th>
<th>(First)</th>
<th>(Middle)</th>
<th>(Last)</th>
<th>(Designation)</th>
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<th>Primary Address</th>
<th>This is a [ ] Home [ ] Business</th>
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<td>Company Name</td>
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<td>Address</td>
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<tr>
<th>Zip/Postal</th>
<th>Country</th>
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<th>E-mail</th>
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<tr>
<td>Telephone</td>
<td>Cell</td>
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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.

<table>
<thead>
<tr>
<th>School</th>
<th>Location</th>
<th>Dates of Attendance</th>
<th>Degree/Course of Study</th>
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**Educational Record**

<table>
<thead>
<tr>
<th>Employer</th>
<th>Location</th>
<th>Dates of Employment</th>
<th>Position/Title</th>
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Professional Engineering Registration Information

<table>
<thead>
<tr>
<th>License Number</th>
<th>Location of Registration</th>
<th>Field of Registration</th>
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</table>

Date Issued: _______ / _______ / _______.

**Qualifying Work Experience**

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

Which best describes your title? _______

- B- President
- C- Partner
- D- Associate
- E- Owner
- F- Vice President
- G- VP Eng./Chief Engineer
- K- Design Eng./Designer
- L- Proj./Application Eng.
- O- Facility Eng./Mngr.
- P- R&D Eng.
- R- Sales Engineer

Which best describes your firm? _______

11- Consulting Eng.
12- Architectural & Eng.
15- Design/Build
21- Contractor
26- Property Mgmt & Dev.
31- Industrial Facility
41- Commercial Facility
42- Gov’t, Health, Education
43- Utility

Which best describes your function? _______

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

---

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

- Code: _______

**Code:**

- Heating
- Refrigeration
- Hydronic
- Unitary Refrigeration
- Forced Air
- Commercial Refrg.
- Steam
- Industrial Refrg.
- D- Process
- V- Process Refrg.
- E- Service Water
- W- Low Temp (<60F)
- F- Solar
- X- Refg. Components
- G- Radiant
- General Areas
  - 1- Controls/Instrumentation
  - 2- Heat Transfer Fluid Flow
  - 3- Pipes, valves, fittings
  - 4- Refg. & Lubrications
  - 5- Sound & Vibration
  - 6- Insulation
  - 7- Energy Recovery
  - 8- Food Application
  - 9- Health, Safety
  - 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 choose either IP or SI version below. Handbooks are printed and mailed to members annually in June.

- [ ] IP (inch/pound units), print with PDF
- [ ] SI (metric units), print with PDF
- [ ] PDF only (IP & SI)

**6. Privacy Notice**

If you DO NOT wish to receive 3rd party physical mailings, please check here. [ ]

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**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.
ASHRAE Student Membership Application valid July 1, 2017 through June 30, 2018

1. Contact Information.  □ Mr.  □ Miss  □ Ms.  □ Mrs.  *Birthday (required) ________ / ________ / ________

Name ___________________________________________ (First) ___________________________________________ (Last)

Primary Address (where all correspondence will be mailed)  Alternate Address
Address_________________________________________ Address_________________________________________
______________________________________________________________________________________________
City __________________________ State/Province_______ City __________________________ State/Province_______
Zip/Postal________________ Country________________________ Zip/Postal________________ Country________________________
E-mail __________________________ E-mail __________________________
Phone: __________________________ Phone: __________________________

☐ I would like to receive occasional student updates via email.  |  | I would like to participate in the ________________ASHRAE Chapter.

2. Student Branch Information.  School Name:_________________________________________________________

Address:_____________________________________________________________________________________
City:________________________________________________State/Province:__________ Postal Code__________

3. Education.  Classification:  Freshman□  Sophomore□  Junior□  Senior□  Masters/PhD.□

Full time □ Part time□  Degree:___________________________  Expected Graduation Date:____________________
(MM/DD/YYYY)

4. Sponsor Information.
All student applicants must have the name and member number of an ASHRAE member serving as their student spon-
sor. 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
Meeting Minutes

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

13. Resource Promotion Report  
   • 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?  

   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
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.

Plenary Session Keynote Speaker
Saturday, January 20 at 9:15 p.m.

Debbie Sterling
Founder & CEO of GoldieBlax
Debbie Sterling is the Founder and CEO of GoldieBlax, 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 2006.

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 Collard, 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 Refrigeration mini-track and a Residential mini-track will be presented at the 2018 AHR Expo, Jan. 22-24.

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 – 2:00 p.m.
$65

Chicago’s Southside Hidden Highlights Tour
Monday, January 22, 2:30 – 4:20 p.m.
$65

Moody Tongue Brewery Tour
Tuesday, January 23, 1:00 – 4:00 p.m.
$95

Gold Coast Tour
Tuesday, January 23, 1:00 – 2:30 p.m.
$65
ASHRAE Learning Institute Courses

Full-Day Professional Development Seminars
By January 2, 2018:
$510 ($415 ASHRAE Member)
After January 2, 2018:
$540 ($445 ASHRAE Member)

Saturday, January 20, 2018, 8am-3pm
The Commissioning Process in New & Existing Buildings
Complying with Requirements of ASHRAE Standard 62.1-2016

Tuesday, January 23, 2018, 9am-4pm
Humidity Control I and II: Principles & Applications Updated!
Optimizing Indoor Environment: Increasing Building Value NEW!

Half-Day Short Courses
By January 2, 2018:
$184 ($139 ASHRAE Member)
After January 2, 2018:
$214 ($169 ASHRAE Member)

Sunday, January 21, 2018, 3:30-6:30pm
Air-to-Air Energy Recovery Applications: Best Practices
Laboratory Design: The Basics and Beyond
New ASHRAE: Classified Refrigerants to Meet Society’s Changing Needs
Understanding and Designing Chilled Beam Systems NEW!

Monday, January 22, 2018, 8:30-11:30am
Designing High-Performance Healthcare HVAC Systems
Energy Management Best Practices
High-Performance Building Design: Applications & Future Trends

Monday, January 22, 2018, 2:45-5:45pm
ASHRAE: Guideline 0 – The Commissioning Process
Design of Affordable and Efficient Ground Source Heat Pump Systems

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.

President’s Luncheon
Monday, January 22
12 – 2 p.m.
Cost: $45
Palmer House
2017-18 ASHRAE President Bjørne Olsen 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.

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.
REGISTRATION

Early Bird fees from September 1 through November 2
- $535 member/$745 non-member
- $510 first-time member attendee/$720 first-time non-member attendee
- $135 Life Member

Onsite registration fees from January 3 through 24
- $555 member/$900 non-member
- $670 first-time member attendee/$875 first-time non-member attendee
- $270 member one-day fee/$320 non-member one-day fee
- $155 Life Member

Advance fees from November 3 through January 2
- $500 member/$770 non-member
- $535 first-time member attendee/$745 first-time non-member attendee
- $145 Life Member

Registration fees for speakers, student branch advisors and students
- $135 speaker
- $155 student branch advisor
- $350 student member/$355, full-time student non-member
- $55 spouse/guest
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