

ASHRAE Rochester



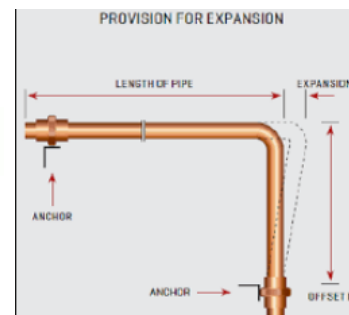
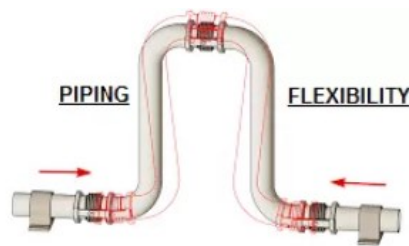
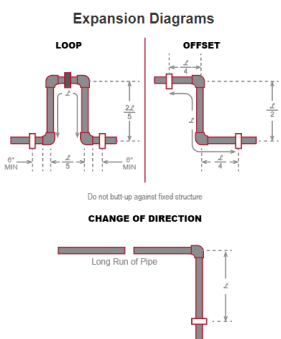
VOLUME 13, ISSUE 5

JANUARY, 2019

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January ASHRAE Meeting



Topic: Design Considerations for Thermal Expansion in Pipes

Presenter: Chris Wolak, Victaulic

When: Monday, January 14th, 2019 at 12pm

Where: City Grill, 384 East Avenue in Rochester

Cost: \$25.00

Please RSVP by noon Friday, January 11th 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.



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Bill Clark (585) 303-0729
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Buyer's Guide

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pbukowski@mcsmms.com

SAVE THE DATE

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

ASHRAE 2018-2019 Meeting Schedule			
Date	Event	Theme	Location
Monday, 1/14/2019	Design Considerations for Thermal Expansion in Pipes <i>Presented by:</i> Chris Wolak	PDH Approved	City Grill @ 12:00 PM
Friday, 2/8/2019	62nd Annual ASHRAE Valentines Dinner Dance	---	Rooftop at the Strathallan
Monday, 2/11/2019	Refrigerant Piping Best Practices and tour [TBD] <i>Presented By:</i> Mike Nohle	Refrigeration Night	TBD
		PDH Pending	
Monday, 3/11/2019	Overview of Risk Management for Infection Control During Health Care Construction <i>Presented By:</i> Marlene Linders		City Grill @ 12:00 PM
		PDH Pending	
Monday, 4/8/2019	TBD <i>Presented By:</i> TBD	Membership Promotion	TBD
		PDH Pending	
Monday 5/20/2019	Annual Picnic / Golf Outing at Ravenwood	---	11:00 AM Golf 5:30-8:00 Picnic

Mission Statement

ASHRAE will advance the arts and sciences of heating, ventilation, air conditioning, refrigeration and related human factors to serve the evolving needs of the public and ASHRAE members.



Shaping Tomorrow's
Built Environment Today

Vision Statement

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

President's January Message

January Newsletter 2019
President's Message

Our meeting in December was 'Sustainability & Resilience - Examples of Community and Campus Energy Assessments', presented by Chonghui Liu (C.L.). Thank you C.L. for taking time to share your expertise with our chapter!

The ASHRAE Winter Conference and AHR Expo is quickly approaching on January 14th through 16th in Atlanta, GA. 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 8th, 2019 the Rochester ASHRAE Chapter will be hosting is 62nd 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.



Paul Kenna, 2018-2019 President

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.

Paul Kenna, P.E.
2018-2019 President
Rochester Chapter

January Meeting Info

Please mark your calendar and join us for the next ASHRAE meeting on **Monday, January 14th**!

Date: Monday, January 14, 2019
 Time: 12:00 PM Lunch Buffet... Presentation to start approx. 12:30pm
 Speaker: Chris Wolack, Victaulic
 Topic: Design Considerations for Thermal Expansion in Pipes
 Location: [CITY GRILL](#) [384 East Ave, Rochester NY 14607](#)
 Cost: \$25.00

As always, feel free to share this e-mail invitation with anyone you may think would be interested in attending or benefit from this presentation. Your ASHRAE Rochester Chapter appreciates your support and looks forward to your participation each month!

You can **PREPAY** for the event! Remember, as an option, we have on-line payments available via PayPal - No PayPal account required.

Use the following link: <http://rochester.ashraechapters.org/meetings.html>

If you are registering more than only yourself, please send me a quick email with name of the attendees so we can update our guest list.

Cash or check payment is still accepted at the door **with your advanced reservation**. Checks can be made payable to **ASHRAE Rochester Chapter**. Please let me know if you're planning to be there!

Please RSVP by noon Friday, January 11th to Bret Fryover, e-Mail... fryoverb@erdmananthony.com, or Phone: 585.563.5152

Attention Members:

Just a reminder that all members that reserve a spot for the monthly meeting will be responsible for that reserved space.

Members have until 12:00 pm the day of the RSVP deadline to cancel their meeting reservation.

Failure to comply with this rule will result in the attendee being responsible for the payment of that reservation.

ASHRAE Rochester Chapter Officers

Highlights from December ASHRAE Meeting



Chonghui Liu from Popli Design presented to the chapter a discussion on Sustainability and Resilience.



Correction from December's Newsletter ... Paul Kenna (left) presents Membership Certificate to Al Rodgers (right).



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, Paul Kenna at (585) 261-0558 or by email paul.kenna@pres-services.com.

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

RL STONE

an FCX Performance Company



Help Wanted – Inside Sales Representative

Regular Full-Time

Required Knowledge

- *Accounting Standards, Customer Service, Product knowledge, etc.)* Responds to customer inquiries.
- Process customer orders and send order acknowledgements.
- Review customer purchase orders for special conditions/documentation.
- Check availability and verifies ship dates.
- Process and expedite orders, customer returns and returns to vendors in an accurate and timely manner.
- Negotiate pricing and delivery with vendors when necessary.
- Communicate effectively and participate positively as a member of the Branch/Division (e.g. sharing work load when possible, picking incoming phone calls, etc.)
- Achieve and maintain rapport with customers and works to give them the best possible service. This is done through a combination of problem solving skills, attention to detail, and developing a friendly but professional relationship with customers.
- Resolve customer issues such as warranty claims, product returns, credit and collection, and other customer service issues.
- Review open customer order reports and takes action on open items; specifically, those items that may be at risk in meeting the customer's promised delivery date. Maintain Distribution System backorder report, associated customer expediting report/notices, and customer notification, as required.

RL STONE

an FCX Performance Company



Help Wanted – Inside Sales Representative

Required Knowledge (continued)

- Assumes responsibility for project submittals and documentation including coordination between vendors and project contractors.
- Assures project contract documentation requirements are maintained and communicated to Management.
- Other duties as assigned by Management
- Maintain the filing and organization of company documents.

Essential Physical Functions/Equipment Used:

- Able to operate standard office equipment, namely computer, multi-line VoIP phone system, printer/copier/scanner and other equipment as needed.
- Must be able to sit for long periods of time while viewing computer screen.

Essential Functions:

Self-motivated with a can-do attitude that identifies smart, creative methods to complete complex tasks with minimal effort.

- Aggressive in sales tactics and strategies; desire to close sales every phone call.
- Excellent internal & external communication and problem solving skills.
- Strong organizational and task management skills.
- Able to tackle multiple projects while being organized, detail, and deadline oriented.
- Ability to relate to all levels of employees within the organization, as well as people customers & vendors.
- Ability to focus on company expectations while continuously striving for continuous improvement.

Preferred Education/Experience:

- Bachelor's Degree **preferred**.
- 1-3+ years' experience in Customer Service related Industry preferred, experience in an Inside Technical Sales/Customer Service/Application Engineer role with an Industrial Distributor a plus.

Work Environment:

- Modern, multi-function office environment.
- Normal working hours are 8:00am to 5:00pm, Monday through Friday; Additional hours as needed.

Please Contact:

Josh Murray – RL Stone Co.

585-203-1222

joshm@rl-stone.com

PAOE

Chapter: ROCHESTER (011)
Chartered: 11/30/1955



Members (CIQ)



Chapter Reports



Chapter Meetings



PAOE



Chapter Settings

Expanded

Achievements

▶ Chapter Operations	Par: 1200	Min Points: 600	Total Points: 410
▶ Chapter Technology Transfer	Par: 1050	Min Points: 550	Total Points: 0
▶ Electronic Communications	Par: 600	Min Points: 250	Total Points: 50
▶ Government Affairs	Par: 650	Min Points: 500	Total Points: 300
▶ Historical	Par: 300	Min Points: 100	Total Points: 155
▶ Membership Promotion	Par: 800	Min Points: 500	Total Points: 250
▶ RP	Par: 1050	Min Points: 800	Total Points: 335
▶ Student Activities	Par: 500	Min Points: 300	Total Points: 0

Get To Know ASHRAE



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

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



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

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.



WIA – Rochester Chapter Women in ASHRAE

Upcoming Networking Events

- **WiA Book Club @ Erdman Anthony**

Wednesday, January 23rd from Noon-1PM

Women-in-ASHRAE will be continuing book club every 2-3 months. If you have a recommendation, please send information to Jaimee Wilson.

UPCOMING BOOK: Born a Crime by Trevor Noah

- **WiA meeting with Marlene Linders **CANCELLED****

~~Monday, March 11th from 11:00AM-12 Noon~~

Ms. Linders is not available for the meeting on March 11th. Please refer to the ASHRAE Calendar for the new topic and speaker.

- **Girls in Architecture sponsored by AIA, The Architectural Foundation of Greater Rochester and ASHRAE Rochester Chapter.**

Local female architects, engineers and designers are hosting a “Girls in Architecture and Engineering” program at the Penfield Library on Monday afternoons starting on Monday, February 25th 4-6PM. The event is open to girls in 6-8th grade. Please see flyer for more details.

For questions or suggestions regarding future WIA events or books, please contact Jaimee Wilson:

jwilson@pathfinder-ea.com



GIRLS IN ARCHITECTURE & ENGINEERING 2019

EXPLORING THE OPTIONS

Presented by female Architects, Engineers & Designers working in Commercial, Retail & Residential Design and Construction

Open to Girls in 6-8th Grade

Hosted by the **Penfield Public Library**:

Mondays; February 25, March 4 & March 11 from 4-6 pm

Registration is for three sessions, and we strongly encourage attendance to all the sessions.

This is a “hands on – interactive” series of workshops to introduce girls to the fields of Architecture and Engineering and encourage girls to take STEM courses in high school.

Session I - Architecture: Introduction, plans and an elevation of a small house – relative scale, roof slopes, understanding engineering systems enough to work with engineers and how they affect building design.

Session II - Engineering: Structural, Mechanical, Electrical, & Plumbing - Introduction to all building engineering, wood framed wall project, tied to elevation in Session I, examples of MEP components/systems – tie in STEM with basic structural design considerations/load distribution and MEP system calculations/science.

Session III - Options: 3D modeling/sketching/energy modeling programs (different programs, utilize 1-3 designs from Session I to show examples), career options, schooling/licensing requirements, tie in STEM with computer programs and classes offered in high school.



There is a limit of 15 girls per session, so make your reservations now to participate. To register call the Penfield Public Library at **(585) 340-8720** or online at www.libraryweb.org/penfield beginning on January 28.

Sponsored by:



AIA
Rochester



The Architectural
Foundation of
Greater Rochester



Rochester
Chapter



ASHRAE Membership Application

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

Shaping Tomorrow's
Built Environment Today

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

MEMBERSHIP

WHO ARE ASHRAE MEMBERS?

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

WHICH MEMBER TYPE IS RIGHT FOR YOU?

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

Member (\$206)

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

Associate Member (\$206)

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

Affiliate Member

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

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

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

MEMBER BENEFITS AND RESOURCES

PUBLICATIONS & RESOURCES

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

PROFESSIONAL EDUCATION AND CAREER DEVELOPMENT

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

NETWORKING

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

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

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

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

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

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

Company Name _____ Company Name _____

Address _____ Address _____

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

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

E-mail _____ Alternate E-Mail _____

Telephone _____ Cell _____ Preferred Chapter Home Business Other _____

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

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

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

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

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

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

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

Which best describes your title? _____

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

Which best describes your firm? _____

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

Which best describes your function? _____

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

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

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

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

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

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

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

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

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

Total Amount: _____ Signature _____

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

Application for Student Membership



Join online at www.ashrae.org/students

At the student branch level, you'll enjoy meeting other students with similar interests – if your school hasn't yet started a student branch, take charge and contact a faculty member and ask for help on getting started!

Why ASHRAE?

- Discounts on publications, conferences, and continuing education opportunities
- Society and chapter-level scholarships for both undergraduate and graduate engineering students
- Discounts for student members on select publications
- Digital access to the monthly ASHRAE Journal and the quarterly High Performing Building Magazine
- Participate in events with your local ASHRAE Chapter
- Find internships and jobs at jobs.ashrae.org
- Senior Undergraduate Project Grant Program
- Discounted ASHRAE Annual and Winter Conference registration (AHR Expo, Student Program, Technical Sessions)
- Gain essential skills not taught in class
- Make great new friends!

Developing Economies Program for Students

Students who reside in countries categorized as "Low Income" and "Lower Middle Income" developing economies by the World Bank List of Economies statistics are eligible to participate in this program. Students in this program receive all the benefits of regular student membership, including online access to the ASHRAE Journal (digital access only - participants will not receive a monthly printed copy of the ASHRAE Journal).

Visit www.worldbank.org for a listing of qualified countries: Low Income and Low Middle Income only. If you currently reside in one of the countries listed in those categories, simply check the box marked 'Developing Economies Program' in the 'Purchases' section of this application.

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

Name _____
 (First) (Last)

Primary Address (where all correspondence will be mailed) Alternate Address
 Address _____ Address _____

City _____ State/Province _____ City _____ State/Province _____
 Zip/Postal _____ Country _____ Zip/Postal _____ Country _____

E-mail _____ E-mail _____

Phone: _____ Phone: _____

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

2. Student Branch Information. School Name: _____

Address: _____

City: _____ State/Province: _____ Postal Code _____

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

Full time Part time Degree: _____ Expected Graduation Date: _____
 (MM/DD/YYYY)

4. Sponsor Information.

All student applicants must have the name and member number of an ASHRAE member serving as their student sponsor. If your Student Branch Advisor is an active Associate or Member of ASHRAE, he/she can serve as your sponsor. If you need assistance locating a sponsor, please email students@ashrae.org or call 678-539-1212. Also, you must list the name, phone and email address of your faculty advisor or course instructor.

Sponsor Name: _____ ASHRAE Member #: _____

Advisor/Instructor: _____ Email _____

5. Purchases.

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

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

PDF Version of the ASHRAE Handbook (Includes both I-P and SI Units) Student Member Price: \$39.00

ASHRAE Handbook Online - One Year Subscription to all four volumes of the Handbook series: \$33.00

*Additional publications are available at student member discounts at ashrae.org/studentbookstore

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

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

Total Amount: _____ Signature _____

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



Rochester Chapter - ASHRAE
 Board of Governors Meeting
 December 10th, 2018 10:30 AM - 11:30 PM
 City Grill, East Ave, Rochester, NY

AGENDA

- 1. Call to Order Paul Kenna
- 2. Roll Call Scott Edwards

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

- 3. Review and Approval of Previous Meeting Minutes All
 - Mike Benedict Motion, second by Mike Nohle

4. Treasurer Report

- Financials from Nov. Meeting and Overall

Mike Benedict

November meeting

Income \$ 1,441.90
 Debits \$ 1,306.80
 Net \$ 135.10

KeyBank Business Checking \$ 15,132.99

KeyBank Reward Checking \$ 29,768.95

Charles Lynch Fund \$ 51,801.56

5. President Elect/Program

- December Meeting is PDH approved
- January meeting is nearly set
- Refrigeration night and topic is moved to February
 - o Tour to follow lunch
- What was in February now pushed by to April

Tom Streber

6. Attendance

- November Reservation Summary

Brett Fryover

Total Reservations	62	
Called In	62	
Paid	64	
Paid Cash	11	
Paid Check	0	
Paid PayPal	46	
Invoice Needed	0	
Free		
Speaker	5	
Gray Metal		
New Member	2	
Student	0	
Walk-In	3	
No Show	2	
No Show PayPal		1
No Show Company Check		0
Total Attendance	64	

- December - Current Reservation Numbers - 75
- New meeting reservation Payment System - no new progress

7. CTTC Report

- New Project submission around the 1st of April 1 (2019)
- Pathfinder submission won

Jeff Wiedrick

8. Membership Report

George Herman

- Current members - 266
- 6 new members since last month

Description	Count	YTD Count
New Member	24	31
New Student	8	10
Reinstate With Dues	0	0
Student Transfer	1	2
Grade Advancement	0	2
Grade Change	0	0
Member Cancellation	18	27
Deceased	0	0
Non-Payment	18	27
Resignation	0	0
Student Cancellation	23	28
Graduated Student	0	0
Non-Payment	23	28
Resignation	0	0
Address Change	36	46
Alternate	6	9
Business	19	24
Home	11	13
Transfer In	2	2
Transfer Out	8	14
Phone Change	70	89

9. Student Activities Report

Rob Hudson

- STEM activity ramping up
- Derrick Day and Rob presented 2 weeks ago at Gates-Chili (7th and 8th Grade)
- 3rd week in February is E week
- More schools to be visited this year

10. Education Report

Bill Murray

- No Report

11. YEA Report

Matt Kremers

- CL (YEA RVC) will speak briefly before the main presentation today
- 2018-19 Events being considered
 - Social event, January or February
 - Leadership weekend planned

12. Awards & Recognition Report AI Rodgers
- Correction, AI Rodgers won award not Paul Kenna.
 - Updated in January Newsletter
 - All members, not just officers and BOG members need to update their ASHRAE biographies and check the Chapter or Regional award criteria to see if they can be nominated for the award at the CRC. Their biography is on the ASHRAE website when they sign in. It can be updated easily right from that screen.
- If they are eligible, they should complete the form(s) and get them to AI Rodgers and Paul Kenna.
13. Resource Promotion Report Zac Hess / Matt Devlin
- Current vs. Goal
 - Full Circle Reached
 - Donor Recognition Boards today for RP
14. Refrigeration Report Mike Nohle / Sam S.
- Planning for February
 - Presentation to Bill Murray for PDH approval by end of January
15. Grassroots Government Advocacy Report Marjani Wilson
- No New Report
 - More updates to follow in January
16. Women in ASHRAE Jaimee
- Last book club had good discussion
 - New topic to be more on current events
 - January 23rd next meeting, Distinguished Lecturer
 - March speaker will have PDH approval
 - Network event next Spring
17. Newsletter Report Scott Edwards
- RES deadline today - Reminder
 - Report deadline around this Holidays, probably before
 - Newsletter submission due January 7th
18. Buyers Guide Pete Bukowski
- Comfort Zone, notice about advertising to be put in a future Newsletter
19. Historian Report Jake Hall
- No report
20. Publicity Report Mark Kukla
- As always, please send any meeting pictures to Mark
21. Website Report Tim Duprey
- Tim is taking over Steve Dear's role
22. Nominating Report Bill Clark
- No New Report

23. Valentines Dinner Dance Report

Jody McGarry

- Friday 2/8/19
- Secured Hyatt Regency and Strathallan
- Budget - traditionally negative \$ to keep attendee \$ down

24. Golf/Picnic Report

Jim Browe

- Ravenwood is booked and date is set for May 20th.

25. Presidential Award of Excellence (PAOE)

- Please update on website

26. New Business:

- None

27. Old Business:

- Wells Fargo access
- 2017-18 Audit Committee and Date - complete
- Removal of Jeff Ellis from PayPal [not yet]
- 2017-18 Taxes have been successfully filed - \$800 invoice and is complete
- 2016-17 Audit - Paul K to send resolution for approval

28. Next BOG Meeting date / time / place.

- Friday, January 11th, 7:30-8:30 am

29. Adjourn



Dear ASHRAE Member,

Back by popular demand!

As you know, time is flying by so quickly. So, we're coming to you early this year. **ASHRAE's 62nd Annual Valentine's Dinner Dance** will be on Friday, February 8th, 2019 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 \$162! 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



Invoice

Advertising for February 2019 Promotion

(Check One) Gold-Level Sponsor: \$375 Platinum-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 February 2019 Promotion and agree to fulfill our commitment.

Company Name_____

Signed by_____

Date signed_____

Please return your check or commitment no later than January 22, 2019 to ABR Wholesalers, Inc. Thank you for your support.

2019 Winter Conference & AHR Expo

The [2019 ASHRAE Winter Conference & AHR Expo](#) taking place in Atlanta this January. The ASHRAE Winter Conference takes place Jan. 12-16 at the Omni Atlanta Hotel at CNN Center and the neighboring Georgia World Congress Center, where the AHR Expo is taking place Jan. 14-16. Together, the Winter Conference and AHR Expo provide you and your colleagues with ring-side seats to the latest technological developments, educational offerings, and networking opportunities.

The Conference Technical Program offers over 100 sessions within 8 tracks:

Track 1. Systems and Equipment

Track 2. HVAC&R Fundamentals and Applications

Track 3. Refrigeration

Track 4. Construction, Operation, and Maintenance of High Performance Systems

Track 5. Common System Issues and Misapplications.

Track 6. The Convergence of Comfort, Indoor Air Quality, and Energy Efficiency

Track 7. Building Integrated Renewables and Natural Systems

Track 8. The Engineer's Role in Architecture

The AHR Expo will host more than 2,000 exhibitors and 65,000 industry professionals. When you register for the ASHRAE Conference, your ASHRAE badge will give you access to the AHR Expo.

Additional conference activities include technical and general tours of Atlanta, social events like the Welcome Party and Members Night Out, and of course ASHRAE Learning Institute Courses, Certification exams, and more.





2019 ASHRAE WINTER CONFERENCE
JANUARY 12–16 // **AHR EXPO** JANUARY 14–16



ashrae.org/atlanta



The 2019 ASHRAE Winter Conference & AHR Expo will take place in Atlanta this January, at the Omni CNN Center and the Georgia World Congress Center in downtown Atlanta. Expect thousands of industry professionals, hundreds of learning opportunities, and a very short walk to the AHR Expo.

Technical Program

Available online in mid-September, the technical program is comprised of eight tracks, and offers 100+ technical sessions to choose from. The track focus areas include refrigeration, HVAC&R fundamentals and applications, systems and equipment, common system misapplications, and achieving high performance building operation after design. Others are aimed at moving building design, construction, and operation forward.

Registration

Just \$450 for first-time attending members, and \$25 for students (early bird rates end October 28). Additional registration types and fees are listed at ashrae.org/atlanta.

Social events, tours, and ALI courses can be added for additional fees during the registration process.

Registrant Type	Tech Program Sessions	Plenary Session	AHR Expo	Virtual Conference
Member/Non-member	✓	✓	✓	✓
First Time Attendee – Member/Non-member	✓	✓	✓	✓
One Day – Member/Non-member	day	✓	✓	✓
Speaker	✓	✓	✓	✓
Student	✓	✓	✓	
Student Branch Advisor	✓	✓	✓	
Spouse/Guest	✓	✓	✓	
Life Member	✓	✓	✓	✓

Learn More and Register at ashrae.org/atlanta

Social Events

Small and intimate or larger than life, the ASHRAE Winter Conference offers a gathering for everyone, conveniently located at the Omni CNN Center (except where noted below). Events can be included with registration for an additional fee.

The Welcome Party –
Fembank Museum

Young Engineers
in ASHRAE (YEA)
Hospitality Suite

Women in ASHRAE
Breakfast

Life Members'
Luncheon

President's Luncheon

Members' Night Out



Tours

From the College Football Hall of Fame to highlights from the Hunger Games, Atlanta is packed with experiences you don't want to miss while visiting. Tours can be included for an additional fee while registering for the conference.

Atlanta Movie Tour

All About Atlanta

Atlanta Heroes:
Jimmy Carter &
Martin Luther King, Jr.

College Football Hall
of Fame

Plenary Speaker

Kick off the ASHRAE Winter Conference with the opening Plenary session. ASHRAE award winners are recognized and updates on the Society will be presented.



Keynote Speaker, Grant Imahara

Former Host on Discovery's "Mythbusters" & Animatronics Engineering Expert

For almost a decade, Grant Imahara was one of the hosts of Discovery Channel's Mythbusters. Using a blend of science and fun, he put urban legends to the test, sometimes with explosive results. Grant tested hundreds of myths, and in the process, swam with sharks, hung from the skids of a helicopter, fired cheese out of a cannon into the San Francisco Bay, sliced a car in half using a rocket sled, destroyed so many cars he's stopped counting, and built many, many robots, all in the name of science.

Learn More and Register at ashrae.org/atlanta

Certification Exams

Saturday, January 12 and Wednesday, January 16



Apply by December 21 to sit for an ASHRAE Certification exam in one of these key fields:

Commissioning (BCxP) // Energy Assessment (BEAP) // Energy Modeling (BEMP) // Healthcare Facility Design (HFDP) // High-Performance Building Design (HPBD) // Building Operations (OPMP)

Conference Registrants can include the Certification application fee when registering. Applications are available at ashrae.org/certification.

ASHRAE Learning Institute



Full-Day Professional Development Seminars

\$415 ASHRAE Member | \$510 Nonmember

Saturday, January 12, 8:00 a.m. – 3:00 p.m.

- (60) Commercial Building Energy Audits
- (61) Effective Energy Management in New and Existing Buildings
- (62) Operations and Maintenance of High-Performance Buildings

Tuesday, January 15, 9:00 a.m. – 4:00 p.m.

- (75) **NEW!** Choosing the Right Energy Code for Your Project—IECC or ASHRAE 90.1-2016
- (76) Commissioning Process in New and Existing Buildings

Half-Day Short Courses

\$139 ASHRAE Member | \$184 Nonmember

Sunday, January 13, 3:30 p.m. – 6:30 p.m.

- (63) Advanced Designs for Net Zero Buildings
- (64) Air-to-Air Energy Recovery Applications: Best Practices
- (65) Latest in High-Performance Dedicated Outdoor Air Systems (DOAS)
- (66) Variable Refrigerant Flow Systems: Design and Applications

Monday, January 14, 2:45 p.m. – 5:45 p.m.

- (71) ASHRAE Guideline 0: The Commissioning Process
- (72) Design of Affordable and Efficient Ground-Source Heat Pumps Systems
- (73) Designing and Operating High-Performing Healthcare HVAC Systems
- (74) Humidity Control II: Real-World Problems and Solutions

Monday, January 14, 8:30 a.m. – 11:30 a.m.

- (67) Humidity Control I: Design Tips and Traps
- (6) **NEW!** Solar PV and Thermal System Analysis and Design
- (69) **NEW!** Thermal Energy Storage Systems for Air Conditioning
- (70) Understanding and Designing Chilled-Beam Systems

Tuesday, January 15, 9:00 a.m. – 12:00 p.m.

- (77) Avoiding IAQ Problems
- (78) **NEW!** How Smart, Efficient, Sustainable Systems Lead to Improved Resilience

Tuesday, January 15, 1:00 p.m. – 4:00 p.m.

- (79) High-Performance Building Design: Applications and Future Trends



2019 ASHRAE WINTER CONFERENCE
JANUARY 12–16 // **AHR EXPO** JANUARY 14–16

The **2019 Winter Conference Technical Program** is now available online. The ASHRAE 365 event website allows you to easily search through technical program sessions, and create your own schedule.

ASHRAE Learning Institute
Never Stop Learning

Upcoming Training Schedule



Training Professionals in a Rapidly Changing HVAC Industry

<https://www.ashrae.org/professional-development/all-instructor-led-training>

January Trainings

HVAC Design Training

ASHRAE Fundamentals of HVAC Design and Operations

When: January 14–16, 2019, 8:00 am to 5:00 pm

Location: Fort Worth, TX

Cost: \$1,000

Instructors: Bill Nelson, P.E., Member ASHRAE and Joel Primeau, Member ASHRAE, HBDP, LEED® AP

January Trainings

Winter Conference Training – Atlanta, GA

Saturday – January 12, 2019 -- -- 8:00 am – 3:00 pm

Commercial Building Energy Audits - 60

Price: \$184 (ASHRAE Member \$139)

Instructor: Jim Kelsey, Member ASHRAE., BEAP, LEED® AP

Effective Energy Management in New and Existing Buildings

- 61

Price: \$184 (ASHRAE Member \$139)

Instructor: Richard Pearson, P.E., Fellow/Life Member ASHRAE

Operations and Maintenance of High-Performance Buildings

- 62

Price: \$184 (ASHRAE Member \$139)

Instructor: Laurie Gilmer, P.E., Member ASHRAE, LEED® AP

Sunday – January 13, 2019 -- -- 3:30 pm – 6:30 pm

NEW! Advanced Designs for Net Zero Buildings - 63

Price: \$184 (ASHRAE Member \$139)

Instructors: Peter Simmonds, Ph.D., Fellow ASHRAE and Charles Eley, P.E., AIA, Member ASHRAE, CEM, BEMP, LEED® AP

Air-to-Air Energy Recovery Applications: Best Practices - 64

Price: \$184 (ASHRAE Member \$139)

Instructor: Paul Pieper, Eng., Member ASHRAE

Latest in High-Performance Dedicated Outdoor Air Systems (DOAS) - 65

Price: \$184 (ASHRAE Member \$139)

Instructor: Art Hallstrom, P.E., Fellow/Life Member ASHRAE, BEMP

Variable Refrigerant Flow Systems: Design and Applications

- 66

Price: \$184 (ASHRAE Member \$139)

Instructors: Paul Doppel, Member ASHRAE and Jocelyn Léger, P.Eng., Member ASHRAE, CEM, LEED® AP

January Trainings

Monday – January 14, 2019 -- -- 8:30 am – 11:30 am

Humidity Control I: Design Tips and Traps - 67

Price: \$184 (ASHRAE Member \$139)

Instructor: Mark Nunnally, P.E., Member ASHRAE, CxA, LEED® AP

NEW! Solar PV and Thermal Analysis and Design - 68

Price: \$184 (ASHRAE Member \$139)

Instructors: Khalid Nagidi, P.E., Member ASHRAE, LEED® AP and Svein Morner, Ph.D., Member ASHRAE

NEW! Thermal Energy Storage Systems for Air Conditioning

- 69

Price: \$184 (ASHRAE Member \$139)

Instructor: Douglas Reindl, Ph.D., P.E., Fellow ASHRAE

Understanding and Designing Chilled-Beam Systems - 70

Price: \$184 (ASHRAE Member \$139)

Instructor: Ken Loudermilk, P.E., Member ASHRAE

January Trainings

Monday – January 14, 2019 -- -- 2:45 pm – 5:45pm

ASHRAE Guideline 0: The Commissioning Process - 71

Price: \$184 (ASHRAE Member \$139)

Instructor: Walter Grondzik, P.E., Fellow/Life Member ASHRAE, LEED® AP

Design of Affordable and Efficient Ground-Source Heat Pump Systems - 72

Price: \$184 (ASHRAE Member \$139)

Instructor: Steve Kavanaugh, Ph.D., P.E., Fellow ASHRAE

Designing and Operating High-Performing Healthcare HVAC Systems - 73

Price: \$184 (ASHRAE Member \$139)

Instructor: Dan Koenigshofer, P.E., Member ASHRAE, HFDP

Humidity Control II: Real-World Problems and Solutions - 74

Price: \$184 (ASHRAE Member \$139)

Instructor: Lew Harriman, Fellow ASHRAE

Tuesday – January 15, 2019 -- -- 9:00 am – 4:00 pm

NEW! Choosing the Right Energy Code for Your Project— IECC or ASHRAE 90.1-2016 - 75

Price: \$510 (ASHRAE Member \$415)

Instructor: McHenry Wallace, P.E., Member ASHRAE, LEED® AP

Commissioning Process in New and Existing Buildings - 76

Price: \$510 (ASHRAE Member \$415)

Instructor: Rick Casault, P.E., Member ASHRAE

January Trainings

Tuesday – January 15, 2019 -- -- 9:00 am – 12:00 pm

Avoiding IAQ Problems - 77

Price: \$184 (ASHRAE Member \$139)

Instructor: Hoy Bohanon, P.E., Member ASHRAE, BEAP, LEED® AP

NEW! How Smart, Efficient, Sustainable Systems Lead to Improved Resilience - 78

Price: \$184 (ASHRAE Member \$139)

Instructors: Tom Lawrence, Ph.D., P.E., Fellow ASHRAE, LEED® AP and Dru Crawley, Ph.D., AIA, Fellow ASHRAE, BEMP

Tuesday – January 15, 2019 -- -- 1:00 pm – 4:00 pm

High-Performance Building Design: Applications and Future Trends - 79

Price : \$184 (ASHRAE Member \$139)

Instructor: Tom Lawrence, Ph.D., P.E., Fellow ASHRAE, LEED® AP

Online Course

Thermal Energy Storage Systems for Air Conditioning

When: January 31, 2019, 1:00 pm to 4:00 pm, EDT

Cost: \$284 USD (\$219 USD ASHRAE Member)

Instructor: Douglas Reindl, Ph.D., P.E., Fellow ASHRAE

February Trainings

HVAC Design Trainings

HVAC Design: Level I – Essentials (MENA)

When: February 3–5, 2019, 8:00 am to 5:00 pm

Location: Dubai, UAE

Cost: \$948 USD (\$757 USD ASHRAE Member)

Instructors: Hassan Younes, Member ASHRAE, BEAP, BEMP, HBDP, CPMP, HFDP, OPMP and Samir Traboulsi, Ph.D., P.Eng, Fellow/Life Member ASHRAE

HVAC Design: Level II – Applications

When: February 6–7, 2019, 8:00 am to 5:00 pm

Location: Dubai, UAE

Cost: \$641 USD (\$524 USD ASHRAE Member)

Instructors: Hassan Younes, Member ASHRAE, BEAP, BEMP, HBDP, CPMP, HFDP, OPMP and Samir Traboulsi, Ph.D., P.Eng, Fellow/Life Member ASHRAE

Online Courses

Save Over 35% Using Appendix G of ASHRAE Standard 90.1-2016

When: February 12, 2019, 1:00 pm to 4:00 pm, EDT

Cost: \$284 USD (\$219 USD ASHRAE Member)

Instructors: McHenry Wallace, P.E., Member ASHRAE, LEED® AP and Joseph Deringer, AIA, Member ASHRAE, LEED® AP

Humidity Control I: Design Tips and Traps

When: February 26, 2019, 1:00 pm to 4:00 pm, EDT

Cost: \$284 USD (\$219 USD ASHRAE Member)

Instructor: Lew Harriman, Fellow ASHRAE