

ASHRAE Rochester



VOLUME 12, ISSUE 6

FEBRUARY 2018

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February ASHRAE Meeting

Topic: Modeling VRF for Loads and Energy on an 8,760 Analysis

Presenter: Bob Feduik, Carrier

When: Monday February 12th, 2018

Where: City Grill
384 East Ave, Rochester

Cost: \$25.00



Please RSVP by noon Friday, February 9th to Bret Fryover
fryoverb@erdmananthony.com

Or

ASHRAE.Rochester@gmail.com

PDH Approved!

See page 5 for more details

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



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Buyer's Guide

TBD

ASHRAE 2017-2018 Meeting Schedule			
Date	Event	Theme	Location
Friday, 2/9/2018	<i>61st Annual ASHRAE Valentines Dinner Dance</i>	---	Strathallan "Rooftop"
Monday, 2/12/2018	Modeling VRF for Loads and Energy on an 8760 Analysis <i>Presented By: Bob Feduik , Carrier Corp</i>	<i>Membership Promotion</i>	City Grill @ 12:00 PM
		<i>PDH Approved</i>	
Monday, 3/12/2018	"Energy and Flow Measurements in Hydronic Systems" <i>Presented By: Onicon</i>	<i>Resource Promotion (PDH Pending)</i>	City Grill @ 12:00 PM
Monday, 4/9/2018	<i>Refrigeration night - presentatoin and tour TBD</i>	<i>Refrigeration Night (PDH Pending)</i>	TBD
Monday, 5/21/2018	<i>Annual Picnic / Golf Outing at Ravenwood</i>	---	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 February Message

February Newsletter 2018
President's Message

Our meeting in January had both a YEA sponsored tech session before the regular meeting on "Cooling Tower Fundamentals" and the regular meeting was on "Dry & Adiabatic Cooler Technology" presented by Matt Shank from Evapco. We appreciate Matt taking the time to share his expertise with our chapter. Thank you to everyone that attended.

The ASHRAE Winter Conference and AHR Expo is quickly approaching on January 20th through 24th in Chicago, IL. The ASHRAE Learning Institute is offering many courses during the conference. If you would like to attend the conference or any of the courses, more information can be found at <http://ahrexpo.com>.

On Friday, February 9th, 2017 the Rochester ASHRAE Chapter will be hosting is 61st Annual Valentine Dinner Dance. Jody and Matthew McGarry put on a fantastic event. Please consider contributing to this event and joining us. It is a terrific time with fantastic food, music and fun.

Please continue to check out our website at www.rochester.ashraechapters.org for information on upcoming chapter meetings, current officer list and contact information, chapter newsletters, and more!

Also take a minute and like us on Facebook at www.facebook.com/#!/ashraerochester.



Bill Clark, 2017-2018 President

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

February 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.

February ASHRAE Meeting << PDH APPROVED!>>

Date: Monday, February 12th, 2018
Location: City Grill
Time: 12pm Lunch Buffett, presentation starts at approx. 12:30pm
Cost: \$25.00
Speaker: Bob Feduik, Carrier Corp.
Topic: Modeling VRF for Loads and Energy on an 8,760 Analysis
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 February 9th to Bret Fryover

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

Highlights from January ASHRAE Meeting

Matt Shank from Evapco pulled a double duty for the January meeting, first a YEA Technical Presentation on the Fundamentals of Cooling Towers and Closed Loop Fluid Coolers, then Matt shared a second topic during lunch on Adiabatic Cooling Solutions with a Comparison to Traditional Closed Loop Fluid Coolers. Both presentations were well attended!





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: 815
▶ 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: 250
▶ Historical Criteria	Par: 300	Min Points: 100	Total Points: 155
▶ Membership Promotion	Par: 800	Min Points: 500	Total Points: 645
▶ RP	Par: 1050	Min Points: 800	Total Points: 960
▶ Student Activities	Par: 500	Min Points: 300	Total Points: 200

Like us on Facebook!

Visit our new Facebook page by searching for “ASHRAE Rochester” on Facebook. Any ideas for additions or improvements email to Mark Kukla at mark@airsystemsbalancing.com. Keep up to date with current events and photos from recent meetings.

Committee Updates

ASHRAE Technology Awards

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

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

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

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

Submissions will be due in April, 2018.

The following link includes additional details about the awards program:

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

Email jwiedrick@bergmannpc.com with any questions.

YEA

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

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

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

Nominating Committee

ASHRAE Rochester announces the following candidates have accepted and will represent the Nominating Committee:

- Jeff Close (Past President 2016-17) - Nominating Chairperson
- Chris Walter (Past President 2015-2016)
- Ed Burns (Past President 2014-2015)
- Michelle Sommerman (Past President 2012-2013)
- Jim Browe (Past President 2010-2011)

Jeff Close, P.E.
Nominating Committee Chair

Committee Updates



Research Promotion Report

We are just about at the halfway point in our 2017-2018 campaign year and we have already raised over \$12,000 of our \$20,500 goal. I'd like to encourage everyone to consider supporting this year's campaign, and to get the donations in early since we still have a way to go to meet our goal!

ASHRAE has increased our goal by over \$1,000 from last year, this was the first significant increase in our goal in recent years. I am hopeful that we can secure a few new donations from local organizations at the \$250-\$500 range to fulfill the goal increase. I would like to target businesses/organizations that have employees who are active members in our chapter. Please let me know if you think your organization would be interested in supporting our campaign.

The RP campaign benefits numerous programs which are important to our industry, 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), and Young Engineers in ASHRAE (YEA) Leadership Training. If you would like further information about the RP campaign or how to support these programs, please don't hesitate to contact myself (mdevlin@bergmannpc.com) or RP Staff (rp@ashrae.org). We would both be happy to help answer your questions or direct you to another staff member who specializes in that area.

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



PRESENTS THE FIRST ANNUAL ASHRAE SNOW DAY...



FEBRUARY 23rd 2018 9:00 AM TO 5:00 PM

WHO: ALL AREA SKIERS, SNOWBOARDERS, AND ASHRAE SUPPORTERS

WHAT: AFTERNOON ON THE SLOPES TO NETWORK OVER SNOW, FOOD, AND DRINKS

WHERE: HUNT HOLLOW 7532 COUNTY RD 36 NAPLES, NY 14512

COST: \$ 30 LIFT TICKET, \$ 15 SKI RENTAL, \$ 20 SNOWBOARD RENTAL, \$ 10 SNOWSHOE RENTAL

**RSVP: GEORGE HERMAN
1919 EAST MAIN STREET
ROCHESTER, NY 14609
585-455-7432
GEORGE@HERMANHVAC.COM**





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	
Ventilating & AC	General Areas
H- Air Cleaning	1- Controls/Instrumentation
J- Industrial	2- Heat Transfer Fluid Flow
K- Clean/Computer Room	3- Pipes, valves, fittings
L- AC Equip. <20 tons	4- Refg. & Lubrications
M- AC Equip. 20-200 tons	5- Sound & Vibration
N- AC Equip. > 200 tons	6- Insulation
P- Air Handling Systems	7- Energy Recovery
Q- Evaporative Coolers	8- Food Application
R- IEQ	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 chose either IP or SI version below. Handbooks are printed and mailed to members annually in June.

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

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

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

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

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

Total Amount: _____ Signature _____

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

Application for Student Membership



Join online at www.ashrae.org/students

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

Why ASHRAE?

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

Developing Economies Program for Students

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

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

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

Name _____
 (First) (Last)

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

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

E-mail _____ E-mail _____

Phone: _____ Phone: _____

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

2. Student Branch Information. School Name: _____

Address: _____

City: _____ State/Province: _____ Postal Code _____

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

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

4. Sponsor Information.

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

Sponsor Name: _____ ASHRAE Member #: _____

Advisor/Instructor: _____ Email _____

5. Purchases.

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

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

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

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

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

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

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

Total Amount: _____ Signature _____

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



Dear ASHRAE Member,

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

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

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

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

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

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

Very truly yours,

Jody McGarry

Valentine Dance Committee

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

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



You are cordially invited to the

61st Annual Valentine's Dinner Dance

Hosted by ASHRAE Rochester

Friday, February 9, 2018

The Strathallan Hotel & Spa

550 East Ave

Rochester, New York



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

8:00pm Dinner - As you select

9:15pm Dessert, Coffee and Dancing

Menu Selections

Roasted Soy-Miso & Maple Glazed Chilean Sea Bass

Herb Roasted Free Range Chicken Breast

Wood Roasted 4oz. Filet & Red Wine Beef Shortrib

Chef's Choice Vegetarian Option Available



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

Make checks payable to Rochester Chapter ASHRAE and mail to:

Jody McGarry

ABR Wholesalers, Inc.

510 North Goodman Street

Rochester, New York 14609

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

Name: _____ Beef · Chicken · Fish · Vegetarian

Name: _____ Beef · Chicken · Fish · Vegetarian

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

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

Stay at The Strathallan for \$159 a night!



Invoice

Advertising for February 2018 Promotion

(Check One) *BOLD* Sponsor: \$375 ~~Gold~~ *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 2018 Promotion and agree to fulfill our commitment.

Company Name _____

Signed by _____

Date signed _____

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



Rochester Chapter - ASHRAE

Board of Governors Meeting

January 5, 2018 @ 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
	George Herman	Board of Gov. (2) & Membership Promotion Chair (MP)
X	Marjani Wilson	Board of Gov. (1) & Grassroots Government Advocacy Co-Chair
X	Jeff Wiedrick	Board of Gov. (1) & Chapter Technology Transfer Chair (CTTC)
X	Matt Kremers	Board of Gov. (1) & Young Engineers in ASHRAE Chair (YEA)
X	Bret Fryover	Attendance Co-Chair
	Tim Duprey	Attendance Co-Chair
	Jake Hall	Historian Chair
	Scott Edwards	Newsletter Editor
	Matt Devlin	Resource Promotion 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
		Buyers Guide
X	Jody McGarry	Valentine's Dinner Dance
	Mike Nohle	Refrigeration Co-Chair
	Tom Burke	Grassroots Government Advocacy Co-Chair
	Jaimee Wilson	Women in ASHRAE
	Michelle Sommerman	Women in ASHRAE

- | | |
|---|---------------|
| 1. Call to Order | Bill Clark |
| • 7:30 | |
| 2. Roll Call | Mike Benedict |
| 3. Review and Approval of Previous Meeting Minutes | All |
| • Motion - Matt, Second - Marjani | |
| 4. Treasurer | Tom Streber |
| • Current Statement Balances | |
| • PayPal Account Updates | |
| 5. President Elect/Program | Paul Kenna |
| • Schedule | |
| i. (2) PDH approved for Monday | |
| ii. All scheduled through March meeting | |
| • Evaluation forms | |
| • Working in refrigeration tour | |
| • Golf penciled in for May 21 | |
| 6. Attendance | Bret Fryover |
| • Current reservations | |
| i. About 50 for Monday's meeting - so far | |
| • There may be opportunity to increase efficiency by integrating the website | |
| i. Continued "training" with Tim | |
| 7. CTTC Report | Jeff Wiedrick |
| • Project submission by April 1, 2018 | |
| • Newsletters and flyers have been out - specific email going out soon | |
| 8. Membership Report | George Herman |
| • Current members | |
| i. 285 | |
| 9. Student Activities Report | Rob Hudson |
| • Student chapter | |
| • Ed Burns is working on setting up a meeting between ASHRAE members and MCC staff. | |
| • Working on lining up schools and volunteers for Engineer's Week | |
| • Vote for chapter to pay for all student members' membership fees up to \$1,000. | |
| There are multiple line items in the budget that can be applied | |
| i. Motion - Matt, Second - Bill M. - Unanimous approval | |
| 10. Education Report | Bill Murray |
| • Scholarship | |
| i. Moving forward with RES managing | |
| 11. YEA Report | Matt Kremers |
| • 2017-18 Events | |
| i. YEA tech session immediately preceding the January lunch meeting | |
| ii. Tech session on controls and a social on the radar | |
| 12. Awards & Recognition Report | Al Rodgers |
| • Looking for nominations for Realto Cherne Award | |

13. Resource Promotion Report Matt Devlin
- Current vs. Goal
 - i. 57%
 - Donor Recognition Banners
14. Refrigeration Report Mike Nohle/Sam Scorsone
- Looking for suggestions for the refrigeration tour
15. Grassroots Government Advocacy Report Marjani Wilson/Tom Burke
- Planned activity
 - i. Area Grassroots committee chairs meeting in Albany in May
16. Newsletter Report Scott Edwards
- Committee submissions
 - Newsletter deadline
 - RES deadline
17. Buyers Guide TBD
- Move to business card adds for newsletter and website
18. Historian Report Jake Hall
- Planned activity November
19. Publicity Report Mark Kukla
- Suggested daily activity of reposting codes and such to keep followers engaged
20. Website Report Steve Dear/Kevin Wind
- Coordinate updates with Kevin
21. Nominating Report Jeff Close
- Nominating Committee needs to be published in the newsletter
 - Jeff C. working on symposium speakers
22. Valentines Dinner Dance Report Jody McGarry
- Strathallan rooftop February 9th
 - Flyer to be published in newsletter and website
 - Sponsors are coming in
 - Invitations have gone out
23. Golf/Picnic Report Jim Browe
- May 21
24. Women in ASHRAE Jaimee Wilson/Michelle Sommerman
25. Presidential Award of Excellence (PAOE)
- Keep up with logging points
26. New Business:
- RES Gala Affiliate Sponsorship
 - i. Commitment due for discounted rate
 - ii. Saturday April 14

27. Old Business:

- 2016-17 Audit and Audit Committee
- Lynn Bellenger Hall of Fame Award
 - i. Neil's expenses will be covered

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

- Friday, February 9th @ 7:30 AM, Day Automation Office

29. Adjourn

- 8:32



FOR IMMEDIATE RELEASE

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ASHRAE Presents Awards at the 2018 Winter Conference

ATLANTA (Jan. 21, 2018) – ASHRAE recognized the outstanding achievements and contributions of members to furthering energy efficiency in the heating, ventilation, air conditioning and refrigeration industry during the 2018 Winter Conference. A list of the awards and their recipients are below.

Fellow ASHRAE

Fellow ASHRAE is a membership grade that recognizes members who have attained distinction and made substantial contributions in HVAC&R such as education, research, engineering design and consultation, publications and mentoring. The Society elevated 25 members to the grade of Fellow:

- Andreas Athienitis, Ph.D., Eng., professor, BCEE Department & NSERC/Hydro Quebec Industrial Research Chair and Director, Centre for Zero Energy Building Studies, Concordia University, Montreal, Quebec, Canada.
- Frederick W. Betz, Life Member ASHRAE, senior mechanical engineer, PEDCO E & A Services, Inc., Cincinnati, Ohio.
- Jeff G. Boldt, P.E., HBDP, director of innovation and quality, IMEG Corp., Madison, Wis.
- James A. Carlson, president, Seismic Source International, Omaha, Neb.
- B. Keith Dunnivant, P.E., vice president, Sales/Americas, Data Center Division, Munters Corporation, Buena Vista, Va.
- Deep Ghosh, P.E., principal/lead engineer, Southern Nuclear, Birmingham, Ala.
- Katherine G. Hammack, executive director, performance improvement, government and public sector services, Ernst & Young, McLean, Va.
- Traci A. Hanegan, P.E., HFDP, principal, Coffman Engineers, Inc., Spokane, Wash.
- Adam W. Hinge, P.E., managing director, Sustainable Energy Partnerships, Tarrytown, N.Y.
- Ronald E. Jarnagin, Presidential Member ASHRAE, principal owner, RLK Technical Consultants, Richland, Wash.

- Shaobo Jia, Ph.D., principal engineer, global research and development, Heatcraft Worldwide Refrigeration, Stone Mountain, Ga.
- Jay A. Kohler, P.E., director, technology and innovation, chiller solutions, Johnson Controls, New Freedom, Pa.
- Edwin J. Langebartel, P.E., senior discipline engineer, mechanical, Coffman Engineers, Inc., Spokane, Wash.
- Qiao Lu, Ph.D., P.E., senior staff scientist and engineer, Rockwell Collins (B/E Aerospace Inc.), Anaheim, Calif.
- Raj M. Manglik, Ph.D., professor of mechanical engineering and director of the Thermal-Fluids & Thermal Processing Laboratory, University of Cincinnati, Ohio.
- Mark O. McLinden, Ph.D., chemical engineer, National Institute of Standards and Technology, Boulder, Colo.
- R. Lee Millies, Jr., P.E., president, Millies Engineering Group, Munster, Indiana.
- Alessandro Sandelewski, Ph.D., Ing., Life Member ASHRAE, technical director, ASC Engineering SRL, Milano, Italy.
- Dilip R. Sarda, director, Synergy Agrothech PVT Ltd., Ahmedabad, Gujarat, India.
- Jeffrey Siegel, Ph.D., professor, Department of Civil Engineering, University of Toronto, Ontario, Canada.
- Luca Stefanutti, P.E., owner, Studio Ing. Stefanutti, Milano, Italy.
- Rex Stockwell, P.E., senior engineering consultant, Vibrantcy, Albuquerque, N.M.
- Wei Sun, P.E., president and CEO, Engysco, Inc., Ann Arbor and Farmington Hills, Mich.
- Adrienne Thomle, retired global product manager, Honeywell International, Reno, Nev.
- Gerald J. Williams, P.E., Life Member ASHRAE, partner/senior vice president, 8760 Engineering, St. Louis, Mo.

Award of Engineering Excellence

The Award of Engineering Excellence was created in 1989 to recognize a first place winner of the Technology Award competition for an outstanding application of innovative design and effective energy utilization. The recipient of the Award of Engineering Excellence has demonstrated the best overall compliance with the judging criteria. This award was last presented in 2014. The recipients are Jonathan R. Rumohr, P.E. and Jesse Hendershot in the existing educational facilities category for the Heritage Hall Alumni Center at Western Michigan University.

ASHRAE Technology Awards

The ASHRAE Technology Awards recognize outstanding achievements by ASHRAE members who have successfully applied innovative building designs. Their designs incorporate ASHRAE standards for effective energy management and indoor air quality and serve to communicate innovative systems design. Winning projects are selected from entries earning regional awards. First place recipients are:

- Roland Charneux, Pageau Morel et Associés, Inc. Montreal, Quebec, Canada, first place, new Commercial Buildings category, Mountain Equipment Co-Op Head Office, Vancouver, British Columbia. The building is owned by the Mountain Equipment Co-Op.
- Mark C. Hersch, P.E. and Holly M. Stevens, P.E., MODUS, Des Moines, Iowa, first place, Existing Commercial Buildings category, Market One LLC, Des Moines, Iowa. The building is owned by Market One.

- Raymond L. Beaufait, P.E. CMTA Consulting Engineers, Prospect, Kentucky, first place, New Educational Facilities category, Discovery Elementary School, Arlington, Va. The building is owned by Arlington Public Schools.
- Steven T. Taylor, P.E., Fellow ASHRAE, Taylor Engineering LLC, Alameda, Calif.; Todd Gottshall, P.E., Western Allied Mechanical, Inc., Menlo Park, Calif.; David Heinzerling, P.E., Taylor Engineering LLC, Alameda, California; and Allan Daly, P.E., Albany, Calif., first place, New Other Institutional Buildings category, San Francisco Museum of Modern Art, San Francisco, Calif. The building is owned by San Francisco Museum of Modern Art.
- Eric Michael Fullerton, P.E., HFDP, Adam M. McElderry, Andrew Jester, Bernhard TME, Little Rock, Arkansas, first place, Health Care Facilities Existing Building Commissioning category, Pineville Enterprise Energy Management Phase 1, Charlotte, N.C. The building is owned by Carolinas Healthcare System.
- Samuel Paradis and, Yves St-Georges, P.Eng., SNC – Lavalin, Quebec, Canada, first place, New Public Assembly category, Amphithéâtre Multifonctionnel de Québec (Centre Videotron), Québec. The building is owned by Ville de Québec.

Student Design Competition

The Student Design Competition focused on a new single-story meteorological station in the Diego Ramirez Islands (Islas Diego Ramirez), Chile.

First place in the HVAC Design Calculations category was awarded to San Jose State University. Team members are Wilton Chang, Matthew Le, Aditya Mairal, Austin Stevenson and Suraj Thapa.

First place in the HVAC System Selection category was awarded to Warsaw University of Technology. Team members are Dagmara Ćwiek, Tomasz Kolsicki, Karolina Kowal and Bartłomiej Tokarzewski.

First place in the category of Integrated Sustainable Building Design was awarded to the University of Central Florida. Team members are Itza Beltran, Matthew Coalson, Karena Wai-Ling Edminister, Toby Miles, Samad Syed and Woranart Timsuwan.

The Setty Family Foundation Applied Engineering Challenge required students to plan, develop and enact solutions to sustainability issues in their local or regional areas.

The first place student team from Cal Poly San Luis Obispo designed a retrofit evaporative cooled system to reduce the energy consumption of typical residential air conditioning system using harvested and/or reclaimed water for a residence in Atlanta, Ga. Team members are Sean Bybee, Sunghoon Chung, Austin Hochstetler and Antonio De Jesus Aguayo.

E.K. Campbell Award of Merit

Julia Keen, Ph.D., P.E., Fellow ASHRAE, received the E.K. Campbell Award of Merit. The award honors an individual for outstanding service and achievement in teaching and is presented by the Life Members Club.

John F. James International Award

Timothy C. Dwyer, C.Eng., Fellow ASHRAE, received the John F. James International Award. The award recognizes a member who has done the most to enhance the Society's international presence.

ASHRAE Pioneers of Industry Award

The ASHRAE Pioneers of Industry Award recognizes deceased individuals who have made milestone contributions to the growth of HVAC&R. The recipient, Sadi Carnot (1796 – 1832), was a French military engineer and physicist, often described as the "father of thermodynamics". Carnot's work attracted little attention during his lifetime, but it was later used by Rudolf Clausius and Lord Kelvin to formalize the second law of thermodynamics and define the concept of entropy.

ASHRAE Hall of Fame

Lynn G. Bellenger, P.E. Fellow/Presidential Member ASHRAE and Seichi "Bud" Konzo were inducted into the ASHRAE Hall of Fame. The ASHRAE Hall of Fame honors deceased members of the Society who have made milestone contributions to the growth of ASHRAE-related technology or the development of ASHRAE as a society.

F. Paul Anderson Award

Steven T. Taylor, P.E., Fellow ASHRAE received the F. Paul Anderson Award. The award is given for notable achievement of outstanding services performed in the HVAC&R field. The award, ASHRAE's highest given for technical achievement, is named in memory of Presidential Member F. Paul Anderson, who was a pioneer in the study of environmental conditions for comfort.

About ASHRAE

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

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