

Dear ASHRAE Members,

Thank you to all of our members that attended the October Technical Meeting and Membership Promotion Night. Also, a special thank you to Gene Slavens for a fantastic presentation on Geothermal Hybrid Systems.

On November 3rd, San Jose ASHRAE and Golden Gate ASHRAE will be holding a joint STEM event at the Bay Area Science Fair at AT&T Park in San Francisco. We hope to foster a greater interest in Engineering among the students that will be attending. This is a free event and the entire ball park will be packed with hundreds of "dynamic demonstrations, engaging experiments, and geeky games led by Bay Area Scientists and Engineers." We'd love to see you there!

Student Activities Night is November 14th, and we have an ASHRAE Distinguished Lecturer, Karine Leblanc, scheduled to present on "How to use Emotional Intelligence to Become a Better Person Professionally and Personally". Since this is a Student Activities Night event, all students are encouraged to attend the meeting, **Free of Charge.** Cal Poly San Luis Obispo will be well represented at this event, as we hope San Jose State University, Santa Clara University and Stanford will be too. This is a great opportunity for the students to network with local HVAC/MEP Engineers, Industry Leaders, and other students in the HVAC industry.

Since students are admitted free of charge, we would greatly appreciate it if you could sponsor a student for this meeting. You can either do this when you sign-up for the meeting online or when you check-in at the venue. Thank you in advance!

Last, but certainly not least, on behalf of the San Jose ASHRAE Chapter, I would personally like to wish you and your entire family a Happy Thanksgiving. November is the time to be thankful, a time to remember, and to embrace those who enrich our lives. I'm thankful for the opportunity to work along with all of our amazing volunteers and members!

See you all November 14th,

Bill Schoening

INSIDE THIS ISSUE:

November Meeting	. 2-3
Bay Area Science Festival	4
Membership Promotion	5-6
Research Promotion	7
СТТС	8
GGAC	0 12
OOAC	9-12
Student Activities	
	13
Student Activities	13 14

Thank You



NOVEMBER TECHNICAL MEETING AND STUDENT NIGHT

How to use Emotional Intelligence to Become a Better Person Professionally and Personally

DISTINGUISHED LECTURER: KARINE LEBLANC

We welcome you to join us for our technical meeting at the Hotel Biltmore in Santa Clara. Special welcome to the San Jose State, Cal Poly, and Stanford University ASHRAE student branches!

Date: November 14th, 2018

Location: Hotel Biltmore

2151 Laurelwood Rd, Santa Clara, CA 95054

Time:

Check-in and Social: 5:00PM

Dinner 6:15PM - 8:00PM YEA Mixer 8:15PM - Last Call

Cost:

Early bird Registration fee: \$ 50/- (by Midnight Nov 7th)

Late Reg/Walk-ins/Non-Members: \$ 60

RSVP: https://sjashrae.org



Speaker:

KARINE LEBLANC

US AIR CONDITIONING ENGINEERS CITY OF INDUSTRY, CA

Karine Leblanc received her bachelor degree in Mechanical engineering from Ecole de Technologie Superieure, a public engineering school in Montreal, Quebec, Canada, who was founded in 1974 and that is part of University of Quebec. ETS is specialized in applied teaching and technology transfer to companies.



Karine has been working as an HVAC sales engineer for US Air Conditioning Distributors since 2002 and has been an active member of ASHRAE since she was a student.

In 2009-2010, Karine was the 2nd female and youngest President of the 85th year old chapter of Southern California. She has served on the ASHRAE Society Board of Director from 2014-2017 and became the first female Region X Director Regional Chair since 1959.

She has received the Louise & Bill Holladay chapter Distinguished service award, the Region X Director's Cup award, the Regional Award of Merit and the Distinguished Service Award.

Topic Background:

Leaders become great, not because of their power, but because of their ability to empower others.

–John Maxwell

These days, the society is all about grades; who has the best grades and which school you have been graduating from. But why is it that employees with average grades from average schools are surpassing their All-Stars peers? Why is it that we have managers, boss and CEO that are not performing or that are not liked by their employees?

Emotional intelligence is definitely one of the key elements in improving your leadership skills in life, at work and with your volunteer organization like ASHRAE. Emotional intelligence is the key to your success!

There are four E.Q. skills: Self Awareness, Self-management, Social awareness and Relationship management. And there are many strategies in improving your E.Q. skills to improve yourself.

We will also touch on the discussion between E.Q. vs gender, age and culture, ASHRAE being a global organization.





Membership
Promotion Co
Chairs



San Jose would like to welcome the following members:

Associate

Abriel Nathaniel Julao

Student

Gabriel Susca-Lopata

"We look forward to seeing you at the next meeting!"

Please consider membership advancement! Why should a member advance from Associate to Full Member status?

- Local Chapter Recognition
- Service Society, Chapter, or Regional Committees
- Qualify for ASHRAE Fellow & other Society awards

To become a Full Member, complete the three steps below.

Have all (3) qualifications below? Apply for advancement!

Engineering Degree (4+ years)
PE License
Work Experience (3+ years)

1 - Check if you qualify.

See the next page on Attaining Full Membership 2 - Update your online ASHRAE Profile.

Go to <u>www.ASHRAE.org</u>. Select "My ASHRAE" Select "Review/Update Profile" 3 - Notify / email ASHRAE.

Email membership@ashrae.org
Let them know you have an
updated bio and wish to be
considered for a grade
advancement.



ATTAINING FULL MEMBERSHIP

Twelve years may not be as long as you think!

How many years have you been working in this industry? _____(A)

How many years did you attend a technical school, college, or university?

Is (B) at least 2 years? Then enter that number here: _____(C)

Did you graduate from an accredited college or university? If yes, multiply (C) by 0.5 and enter here: ______(D)

Have you attained professional registration?

If yes, enter 3 here:

_____(E)

Now...add (A) + (C) + (D) + (E) = _____(F)

Is (F) at least 12? Then you qualify for full membership!

Update your member bio online today www.ashrae.org



What is Research Promotion?

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.





What is CTTC?

The Chapter Technology Transfer
Committee (CTTC) provides efficient and effective transfer of current and relevant information throughout the HVAC&R industry to and from the Chapters. CTTC develops and maintains high quality and readily available tools to enable Chapters to offer information and attractive industry-related information and programs to all segments within the HVAC&R industry

Upcoming Events



Advance your career and open new doors by earning an ASHRAE Certification

https://www.ashrae.org/professional-development/ashrae-certification





What is GAC?

The Government Affairs Committee (GAC) is responsible for organizing ASHRAE members to educate local, state, provincial, and national government bodies and officials in areas of interest to ASHRAE members, and to promote effective cooperation between ASHRAE members and government.

ASHRAE Government Affairs

Stay informed on the latest news. Subscribe to ASHRAE's Government Affairs Update!

This bi-weekly publication features information on government affairs-related activities of interest to ASHRAE members and others interested in the built environment.

Subscribe through the link below:

https://www.ashrae.org/government-affairs/government-affairs-updates





Public Comment Opportunities:

- 2019 CA Building Standards Code (Title 24)
- EPA Revised Section 608 Refrigerant Management Regulations



GAC Announcements:

- Universal Translator (UT3) Workshop:
 Software Demonstration and Interactive Lab
- IEA Urges Action by Policymakers To Increase Energy Efficiency
- U.S. Supreme Court Declines to Hear HFCs Case

PUBLIC COMMENT OPPORTUNITIES

California Building Standards Commission Public Comment Opportunity

45-Day Public Comment Period

Start Date:

September 07, 2018 and September 14, 2018

The California Building Standards Commission (CBSC) is providing notice of 45-day public comment period for proposed building standards in the 2019 California Building Standards Code (Title 24).

The California Building Standards Commission Code Advisory Committees review and make recommendations to proposed changes, submitted by state agencies, to California's building codes. The following designated periods provide opportunity for public review and comments concerning proposed changes (by subject matter) to the California Building Standards Code, Title 24, which will be published in July 2019 with an effective date of January 1, 2020.

The California Building Standards Commission is issuing revised 45-Day NOPA's, to correct minor errors within the notices, for the dates listed below.

- Accessibility (ACCESS) and Building, Fire and Other (BFO)
 Code Advisory Committees
 - 45-Day Public Comment Period:
 September 07 October 22, 2018
- Health Facilities (HF), Plumbing Electrical, Mechanical and Energy (PEME), Structural Design and Lateral Forces (SDLF), and Green Building (GREEN) Code Advisory Committees
 - 45-Day Public Comment Period:
 September 14 October 29, 2018

To Learn More:

http://www.bsc.ca.gov/Rulemaking/adoptcycle/2018TriennialCode AdoptionCycle/45-Dayand15-DayPublicCommentPeriods.aspx U.S. EPA Revised Section 608 Refrigerant Management Regulations

45-Day Public Comment Period

Start Date:

September 18, 2018

On September 18, 2018, EPA issued a proposed rule Protection of Stratospheric Ozone: Revisions to the Refrigerant Management Program's Extension to Substitutes.

This action proposes to revisit the Agency's recent approach to regulating appliances containing substitute refrigerants such as hydrofluorocarbons (HFCs) by proposing to rescind the November 18, 2016 extension of the leak repair provisions to appliances using substitute refrigerants.

This proposal also requests public comment on rescinding other provisions that were extended to substitute refrigerants.

This proposal would not affect the requirements for ozone-depleting refrigerants.

If finalized as proposed, this action would rescind the leak repair and maintenance requirements at 40 CFR 82.157 for substitute refrigerants.

To Learn More:

https://www.epa.gov/section608/revised-section-608-refrigerant-management-regulations

The advance copy of the proposed rule will be updated once the proposed rule is published in the Federal Register. This proposed rule will have a 45-day public comment period. To view the public docket in the Federal Register, visit www.regulations.gov and search for docket number EPA-HQ-OAR-2017-0629. Once the proposed rule is published in the Federal Register, EPA will provide a link to the docket, where interested stakeholders can submit comments on the proposed rule.

GAC ANNOUNCEMENTS



<u>Universal Translator (UT3) Workshop:</u>
Software Demonstration and Interactive Lab

November 11/13 – PEC, 851 Howard Street, SF 8:30 AM – 4:30 PM

Course Description:

This no-cost training is intended for building professionals interested in learning how to use the PEC's Universal Translator (UT3) software tool. UT3 is designed for the management and analysis of data from loggers and trends from building management systems. The UT3 software will provide significant time savings to industry professionals tasked with managing large data sets, performing data diagnostics or verifying energy savings from existing building or new construction projects. The course will offer students exposure to the functionality of the UT3 software through in-class exercises using real data sets, and the training will be available to in-person and online attendees.

The Universal Translator is a free program that was developed through California public purpose funding and is available for download from this website: http://www.utonline.org.

Registration Link to attend training in SF: http://usi.pge.com/event-details?EventID=19926

Registration Link to view training on the internet as a Simulcast: http://usi.pie.com/event-details?EventID=19927

U.S. Supreme Court Declines to Hear HFCs Case

WASHINGTON, D.C.—The U.S. Supreme Court has declined to hear the appeal of a 2017 Court of Appeals case that restricted the Environmental Protection Agency's (EPA) ability to regulate hydrofluorocarbons (HFCs) under the Significant New Alternatives Program (SNAP). The August 2017 Court of Appeals decision was appealed to the Supreme Court by Honeywell and Chemours and by environmental NGO Natural Resources Defense Council, who were intervenors in the case. The defendant in the case, the EPA, did not appeal. Instead, the EPA asked the Supreme Court not to hear the appeal, saying it no longer supports the type of regulation that the appeals court overturned.

IEA Urges Action by Policymakers To Increase Energy Efficiency

PARIS—Implementing policies to increase energy efficiency could reduce energy bills for consumers by more than \$500 billion per year, according to the International Energy Agency (IEA). IEA's *Energy Efficiency 2018* report found that efficiency gains alone could yield twice as much global economic value from the energy it uses compared to today. According to IEA, recent trends show that policy efforts have weakened in recent years. However, IEA adds that it "...is working actively with governments across the world to enact the right policies for enhancing energy efficiency."

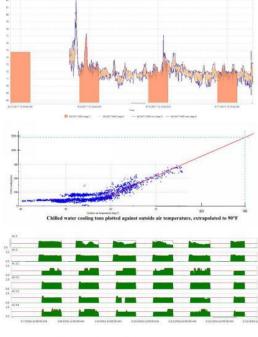


Universal Translator (UT3) Workshop: Software Demonstration and Interactive Lab

November 13, 2018, 8:30 am to 4:30 pm at PEC, 851 Howard Street in SF. November 13, 2018, 8:30 am to 4:30 pm via the Internet as a simulcast

Course Description

This no-cost training is intended for building professionals interested in learning how to use the PEC's Universal Translator (UT3) software tool. UT3 is designed for the management and analysis of data from loggers and trends from building management systems. The UT3 software will provide significant time savings to industry professionals tasked with managing large data sets, performing data diagnostics or verifying energy savings from existing building or new construction projects. The course will offer students exposure to the functionality of the UT3 software through in-class exercises using real data sets., and the training will be available to in-person and online attendees. The Universal Translator is a free program that was developed through California public purpose funding and is available for download from this website: http://www.utonline.org.



Agenda

Introductions and class overview

Exercise 1: Data import, data correction and data

visualization features

Exercise 2: Air-side economizer analysis and data filters

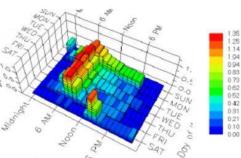
Exercise 3: Set-point analysis and project folders

Exercise 4: Run time analysis module

Exercise 5: Lighting controls and plug load analysis modules

Exercise 6: Custom chart creation Exercise 7: M&V analysis module

Final questions and wrap-up



Registration links:

November 13, 2018, 8:30 am to 4:30 pm at PEC, 851 Howard Street in SF. Register here: SF: http://usi.pge.com/event-details?EventID=19926 November 13, 2018, 8:30 am to 4:30 pm via the Internet as a simulcast Register here: http://usi.pge.com/event-details?EventID=19927



Announcements



Society is providing 35 scholarships for the 2019-2020 season up to 10,000 each to qualified students!

Applications are due November 14!

http://web.ashrae.org/scholarshipApplication



Interested in Outreach? ASHRAE can provided tools to help!

- ASHRAE and HVAC & R related presentations. Ideal for colleges, universities, & high schools
- Hands-on STEM activities. Ideal for K-8 classes.





Mentors needed Jan-May 2019!

What do ACE mentors do?

- Team up with other South Bay professionals to inspire students in your field.
- Facilitate a 2-hour weekly session at a local high school (three sites to choose from).

 Typical sessions involve guest speakers, activities, and time for student teams to work on a final project design.

Perks for you:

- Networking opportunities
- FREE 3-year license to all Autodesk software
- Warm fuzzy feelings knowing you are giving back to students in your community!

SJ1: Monta Vista High School

Room F-101 Day of Week TBD 4-6 p.m. Beginning January, 2019

O SJ2: Independence High School

Room M-38 Day of Week TBD 4-6 p.m. Beginning January, 2019

SJ3: Yerba Buena High School

Room 903 Day of Week TBD 4-6 p.m. Beginning January, 2019



The ACE (architecture, construction, engineering) Mentor Program is a national nonprofit organization, reaching over 8,000 students annually. Learn more and register today at **acementor.org.**

Questions? Contact Hugh King at Hugh.King@salasobrien.com.

			Proj			
		Expenses			Income	
Monthly	Meetings	\$	32,600	\$	32,600	
	September Social	\$	9,500	\$	9,500	
	October - MP Night	\$	1,500	\$	1,500	
	November Technical - Student Night	S	3,000	\$	3,000	
	December - Joint Meeting	\$	5,600	\$	5,600	
	January - RP Night	\$	1,500	\$	1,500	
	February - MP Night	\$	1,500	\$	1,500	
	March Technical	S		\$	1,500	
	April Technical	S		\$	1,500	
	May Refrigeration Tour	s		\$	2,500	
	Past President's Night	\$		\$	4,500	
Technol	nov	\$	1,978	\$		
recimor	Website Monthly Fee	\$	1,978	\$		
	Job Postings	\$	1,576	\$		
	Job Postings	3	•	Ф	•	
Society	0 00	\$	3,000	\$	8,040	
	Annual Dues	\$	- 5	\$	8,040	
	Region X Dues	\$	3,000	\$	*00	
	Chapter Opportunity Fund	\$	3.50	\$	50	
Training		\$	1,200	\$	1.5	
	YEA Leadership Weekend	\$	1,000	\$	*3	
	YLW 2.0	S	0.000	\$	20	
	RP Centralized Training	\$	0.00	\$	±3	
	Student Activities Training	\$	953	\$		
	MP Centralized Training	\$	0.00	\$		
	President Elect Training	S	200	\$		
	Leadership Academy	\$		\$	20	
Conferences		\$	8,100	\$		
	Winter Conference	\$	4,000	\$	-	
	Annual Conference	S	.,	\$	- 3	
	CRC	\$	4,100	\$	-	
Scholars	hip and Endowments	\$	5,000	\$		
Demondra	College Scholarships	s	2,500	\$	20	
	RP Donation	\$	2,500	\$	20	
Camitaa	Budgets	\$	1,900	\$		
Connice	Membership Promotion	\$	250	\$	81	
	Research Promotion	S	200	\$		
	Student Activities	Š		\$	25	
	YEA	S		\$	20	
		\$		\$	- 20	
	CTTC			-		
	GGAC	\$		\$	83	
	Historian Board of Governors	\$	1000000	\$		
Events	Golf Tournament	\$	34,750 17,000	\$	20,000	
	Bocce Ball	\$		\$	29,000	
Misc		\$	200	\$		
IVIISC	CA State Ton			1000000		
	CA State Tax	S	10	\$	**	
	Stamps	\$		\$	50	
	Stationary	\$	35-3	\$	55	
	Overdraft	\$	3.00	\$	55	
	Name Tags	S	8.	\$	55	
	Square Reader	\$		\$	70	
	Misc	5	100	\$	56	