Dear San Jose ASHRAE Members and Friends,

2020 is official here and in full swing! I hope everyone thoroughly enjoyed the Holiday season and is ready to take 2020 by the horns! Thank you, Sargon, for the incredibly informative presentation on the 2019 code changes! It was a pleasure to see professionals from all different sectors of our industry come out to stay abreast and prepared for the future.

February is now Fe-brew-ary! Please join our YEAers on Feb 5th as they take a tour and taste some brew with the lead engineer at Golden State Brewery in Santa Clara. Space is always very limited due to tour sizes, so reserve your spot today!

Pump it up! We’re hosting Sherezad Shafiq for our February meeting for his topic on Optimizing Pumps and Pumping System Operation. Upfront cost is important, but your biggest investment is keeping it running! I’m excited to see what Sherezad has to say about sequencing, optimization, and predictive maintenance for the future.

It’s that time of the year again, it’s bowling time! Pin Feb 28th to your schedule for our annual YEA Bowling event at the Bowlmor in Cupertino. This is probably my favorite event and will surely be a strike! Please contact me with any questions or if you’d like to be a sponsor!

See you all very soon,

Richard Lam

San Jose ASHRAE Chapter President
FEBRUARY TECHNICAL MEETING

OPTIMIZING PUMPS AND PUMPING SYSTEM OPERATION

 SPEAKER: SHEREZAD SHAFAQ

We welcome you to join us for our technical meeting at the Hotel Biltmore in Santa Clara for an evening of sharing knowledge, fun, and networking.

**Date:** February 12th, 2020

**Location:** Hotel Biltmore

2151 Laurelwood Rd, Santa Clara, CA 95054

**Time:**
- Check-in and Social: 5:30PM
- Dinner: 6:30PM - 8:15PM
- YEA Mixer: 8:30PM – Last Call

**Cost:**
- Early bird Registration fee: $ 50/- (by Midnight Feb 5th)
- Late Reg/Walk-ins/Non-Members: $ 60

**RSVP:** [https://sjashrae.org](https://sjashrae.org)
**Speaker:**

**SHEREZAD SHAFAQ**

**DIRECTOR OF SERVICE AND AFTERMARKET SALES, GRUNDFOS**

Sherezad Shafaq is the Director of Service & Aftermarket Sales for Grundfos – a Danish Pump manufacturer. Sherezad is a mechanical engineer and is presently pursuing his MBA in Sustainable Solutions. He has been with Grundfos for 15 years and during his tenure has worked in various departments – engineering design, operation, sales and service. In his present role Sherezad is responsible for Grundfos Service and Solutions team in Western USA. The present team he leads specializes in repair and replacement of traditional pumps and systems. He also leads a team of energy optimization experts whose role is to evaluate existing pumping systems and propose optimized operation of pumps based on technological advancement as well as enhanced sequence of operation. Sherezad works closely with customers to digitally enable pumping equipment to be able to predict a failure before it happens and remotely provide a potential solution.

**Presentation Summary**

Pumps account for almost 10% of the world’s energy consumption. Acquiring a pump system is not your biggest investment – keeping it running is. With very little effort on optimizing existing pumps, we can make a big difference in the overall energy consumption from pumps. This presentation aims to discuss the following major topics –

1. Pure efficiency gains due to technological advances in pumping equipment
2. Pump sequencing and operational efficiency
3. Pump System Optimization
4. Predictive Maintenance practices with digital solutions available in the market
Everybody Makes Day

HELP VOLUNTEER WITH ASHRAE DURING NATIONAL ENGINEERS WEEK MONDAY FEBRUARY 17TH.

THE TECH MUSEUM OF INNOVATION

The Tech Interactive

Contact Cinthya Carrillo for more information ccarrillo@westernallied.com
YEA BOWLING

FEB 28TH @ 6PM
BOWLMOR CUPERTINO

$35 PER PERSON INCLUDES 2 HOURS OF BOWLING, SHOES, SNACKS AND A DRINK TICKET

$15 DINING AND DRINKING ONLY

LIMITED SPOTS AVAILABLE

SPONSORSHIPS AVAILABLE!
$350 LANE SPONSOR
$200 BAR SPONSOR

Register online at sjashrae.org
Contact Richard Lam with any questions. richard@agcinc.com
GOVERNMENT OUTREACH DAY

Mark your calendar! Join other fellow ASHRAE members and speak to our State Legislators about the HVAC&R industry. More detailed to come but save the date!!

MARCH 2, 2020
REGION X GOVERNMENT AFFAIRS COMMITTEE (GAC)

CALIFORNIA STATE CAPITOL

Contact Vanessa O’Connor (SJ GAC Chair) for more information. Email: voconnor@westernallied.com
CELEBRATE NATIONAL WOMEN IN CONSTRUCTION WEEK

Space is limited - register early!

**North Bay Leadership Panel**
March 3rd | 12:00 PM
Sunrise Ranch Winery (American Canyon)

**Solving Problems with Lean Thinking**
March 4th | 12:00 PM
Southland (Union City)

**Construction Innovation**
March 5th | 4:00 PM
Hilti (Walnut Creek)

**Mindfulness**
March 6th | 10:00 AM
Air Systems (San Jose)
ANNUAL ASHRAE BOCCÉ BALL TOURNAMENT

March 19, 2020
Campo di Bocce, Los Gatos

JAN 21 - SPONSORSHIP REGISTRATION OPENS

Platinum - $2000
Gold - $1500
Silver - $1000
Team - $700

Contact Cherie Nixon (cnixon@therma.com) with any questions and to register.
PACIFIC COAST TRANE TRAINING SCHEDULE
At-a-Glance January through June 2020

Your One-Stop Training Center for Trane Equipment, CITY MULTI® VRF,
Trane A/C Clinic, HVAC Fundamentals, Controls and EPA Section 608 Certification

- Schematics and Wiring Diagrams · Part 1 (Owners-Operators and Service Contractors) 01/24/20 (Day)
- Pneumatics Controls and Maintenance (Owners-Operators and Service Contractors) 01/25/20 (Saturday)
- Trane/Mitsubishi CITY MULTI® VRF in Benicia (Installing Contractors) 02/04/20 — 02/06/20 (Day)
- Schematics and Wiring Diagrams · Part 2 (Owners-Operators and Service Contractors) 02/20/20 (Day)
- Basic Electricity for HVAC · Part 1 (Owners-Operators and Service Contractors) 02/21/20 (Day)
- Cooling Towers Ops and Maintenance (Owners-Operators and Service Contractors) 03/27/20 (Day)
- Trane Voyager/Precedent Rooftop Unit (Owners-Operators and Service Contractors) 03/28/20 (Saturday)
- Basic Electricity for HVAC · Part 2 (Owners-Operators and Service Contractors) 04/30/20 (Day)
- Trane IntelliPak Rooftop Unit Ops and Maintenance (Service Contractors) 05/01/20 (Day)
- Trane/Mitsubishi CITY MULTI® VRF in Benicia (Installing Contractors) 05/12/20 — 05/14/20 (Day)
- Indoor Air Quality for HVAC (Owners-Operators and Service Contractors) 05/22/20 (Day)
- EPA 608 Exam and Certification (Owners-Operators and Service Contractors) 05/23/20 (Saturday)
- Trane Controls for Building Operators (Owners-Operators and Service Contractors) 06/13/20 (Saturday)
- HVAC Systems and Field Service (Owners-Operators and Service Contractors) 06/26/20 (Day)
- Boilers and Water Source Heat Pumps (Owners-Operators and Service Contractors) 06/27/20 (Saturday)

For registration info contact Fawn Davis, Training Director at 408-481-3655
Register online at www.PacificCoastTrane.com/training

Pacific Coast Trane Training Center  •  310 Soquel Way  •  Sunnyvale, CA  94085
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

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

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

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

1 - Check if you qualify.

See the next page on Attaining Full Membership

2 - Update your online ASHRAE Profile.

Go to www.ASHRAE.org. 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.

San Jose would like to welcome the following members:

Vanessa Lasseson
Gabriel Perez
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? ____________ (B)

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:

Announcements

Public Comment Opportunities:
- BSR/ASHRAE Standard 127- 2012R
- 30 Day Public Review (ends March 10th)
- 45 Day Public Review (ends March 25th)

GAC Announcements:
Announcements

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.
Looking for an Internship or Full-Time Position?

- Post your resumes on [https://jobs.ashrae.org/](https://jobs.ashrae.org/)
- Look for the latest job listings!
- Available for Students and Professionals!

Looking to hire?

- Post your job openings on [https://jobs.ashrae.org/](https://jobs.ashrae.org/)
- Find qualified individuals looking to hire!