



# San Jose Chapter



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 5<sup>th</sup> 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 exciting 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 28<sup>th</sup> 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

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*Thank You*



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## ***FEBRUARY TECHNICAL MEETING***

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# **OPTIMIZING PUMPS AND PUMPING SYSTEM OPERATION**

**SPEAKER: SHEREZAD SHAFIQ**

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 12<sup>th</sup>, 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 5<sup>th</sup>)

Late Reg/Walk-ins/Non-Members:

\$ 60

**RSVP:** <https://sjashrae.org>

## Speaker:

### SHEREZAD SHAFIQ

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

Sherezad Shafiq 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 17<sup>TH</sup>.

@

THE TECH MUSEUM OF INNOVATION

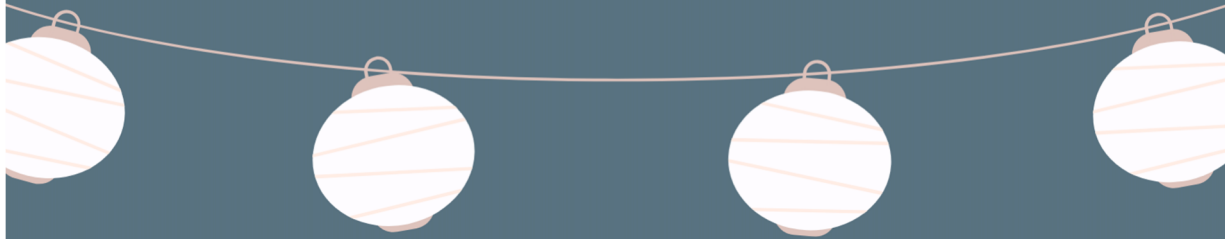


**The Tech Interactive**

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*Contact Cinthya Carrillo for more information  
[ccarrillo@westernallied.com](mailto: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

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SPONSORSHIPS AVAILABLE!  
\$350 LANE SPONSOR  
\$200 BAR SPONSOR

Register online at [sjashrae.org](http://sjashrae.org)  
Contact Richard Lam with any  
questions. [richard@agcinc.com](mailto: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](mailto: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)



Register for events at  
[wicbayarea.eventbrite.com](http://wicbayarea.eventbrite.com)



## ANNUAL ASHRAE BOCCE BALL TOURNAMENT

March 19, 2020  
Campo di Bocce, Los Gatos

**JAN 21 - SPONSORSHIP  
REGISTRATION OPENS**

Platinum - \$2000

Gold - \$1500

Silver - \$1000

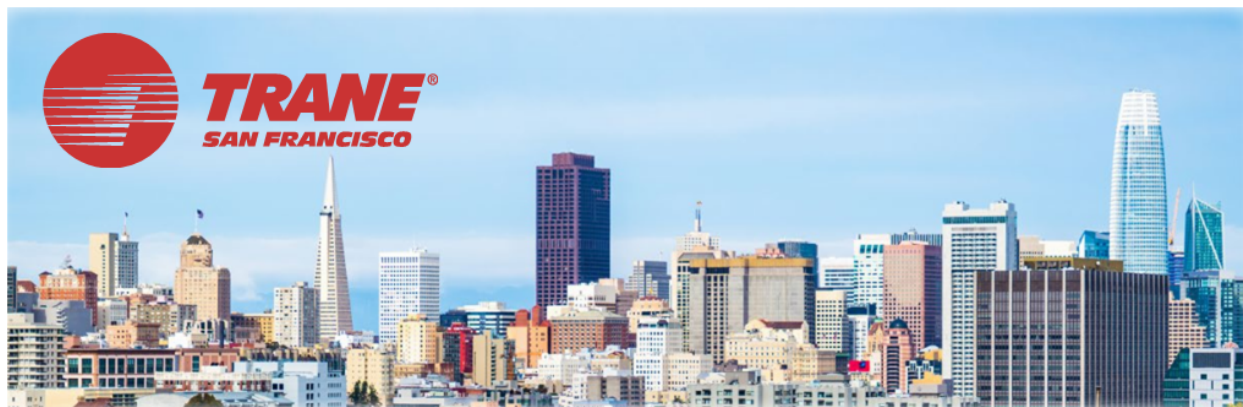
Team - \$700



Contact Cherie Nixon ([cnixon@therma.com](mailto: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](http://www.PacificCoastTrane.com/training)

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



Vanessa Laseson

Membership  
Promotion Co  
Chairs



Gabriel Perez

San Jose would like to welcome  
the following members:

"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 [www.ASHRAE.org](http://www.ASHRAE.org).  
Select "My ASHRAE"  
Select "Review/Update  
Profile"

3 - Notify / email ASHRAE.

Email [membership@ashrae.org](mailto: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? \_\_\_\_\_ (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)

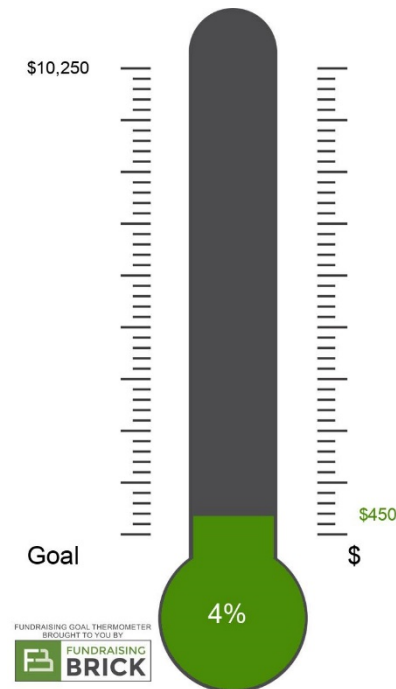
Is (F) at least 12? Then you qualify for full membership!

Update your member bio online today [www.ashrae.org](http://www.ashrae.org)



Rob Potter

Research  
Promotion  
Chair



## 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.





David Hodson

Chapter Technology  
Transfer Committee  
(CTTC) Chair

## 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>



Vanessa Lasseon

Government Affairs  
Committee (GAC)  
Chair

## 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>

## Announcements



### Public Comment Opportunities:

- BSR/ASHRAE Standard 127- 2012R
- 30 Day Public Review (ends March 10<sup>th</sup>)
- 45 Day Public Review (ends March 25<sup>th</sup>)



### GAC Announcements:



Cinthya Carrillo

Student  
Activities Co  
Chairs



Sargon Ishaya

## Announcements



Interested in Outreach? ASHRAE can provide 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/>
- Look for the latest job listings!
- Available for Students and Professionals!

## Looking to hire?

- Post your job openings on <https://jobs.ashrae.org/>
- Find qualified individuals looking to hire!