



# San Jose Chapter

Hello San Jose ASHRAE Members –

December is finally here! As we close out 2022 and enter 2023, let us celebrate our accomplishments and the relationships we have formed, and let us look forward to a new and better year.

The previous December Technical Meeting was a wonderful night, spent with our ASHRAE Society President Farooq Mehboob and our colleagues in the Golden Gate Chapter. I especially appreciated Farooq's three pillars to securing our future – Relationships, Knowledge, Change and Action – and am looking forward to using those in my own day-to-day life.

For our membership, we have technical meetings planned through February –

The upcoming January Technical Meeting will be a Membership Promotion Night held on Wednesday January 11. Our guest speaker, Adam Donovan, will be presenting on Indoor Environment Monitoring During Fire Season and Beyond. In California where wildfires have become an annual occurrence, this topic is especially relevant for us.

The February Technical Meeting will be presented by Brian Alexy, President of Greener N.O.I.. The meeting will be held on Wednesday February 15. Brian will be presenting on "virtual power plant" PG&E incentive projects.

For events, our annual Bocce Ball event will be held on April 27, 2023. Sponsorship registration will open on February 13<sup>th</sup>, 2023, so keep your eyes open for the registration opening!

Finally, the 2023 ASHRAE Winter Conference is just around the corner! The ASHRAE Winter Conference will be held February 4-8, 2023, at the Omni Hotel at CNN Center and Building A of the Georgia World Congress Center. Atlanta is home to the new ASHRAE Global Headquarters. I strongly encourage all members to attend the conference and the product show!

As always, if you're interested in volunteering, please reach out to us! Our contact information can be found on the website. We are always looking for more members to volunteer at our chapter.

Wishing You the Best,

Vanessa O'Connor  
2022 – 2023 San Jose Chapter President

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*Thank You!*



## JANUARY TECHNICAL MEETING

Indoor Environment Monitoring During  
Fire Season and Beyond

Presented By  
Adam Donovan



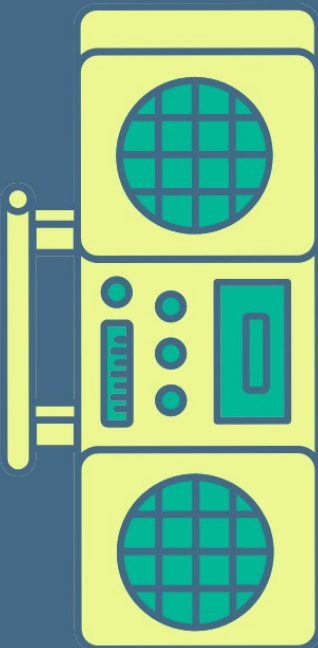
### RSVP ONLINE

[HTTPS://SANJOSEASHRAE.  
WILDAPRICOT.ORG/EVENTS](https://sanjoseashrae.wildapricot.org/events)

<b>Date:</b>	Wednesday - January 11, 2023
<b>Location:</b>	Delta Hotels Santa Clara Silicon Valley 2151 Laurelwood Rd, Santa Clara, CA 95054
<b>Time:</b>	
Check-In and Social	5:30 PM
Dinner	6:30 PM - 8:15 PM
YEA Mixer	8:30 PM - Last Call
<b>Registration:</b>	
Early Bird Registration	\$50 - Register by January 4 (Wednesday)
Registration	\$60



# ASHRAE BOCCE BALL



**APRIL  
27  
2023**

## CAMPO DI BOCCE

Los Gatos, CA  
Sponsorship Registration will open  
February 13, 2023



FOR MORE INFORMATION, CONTACT CHERIE AT [CNIXON@THERMA.COM](mailto:CNIXON@THERMA.COM)

## MEMBERSHIP PROMOTION



Benito Ferreyra  
(Committee Chair)

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

San Jose would like to welcome the following members:

❖ Srushti Tulsi Dupare

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.



## MEMBERSHIP PROMOTION

### 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)



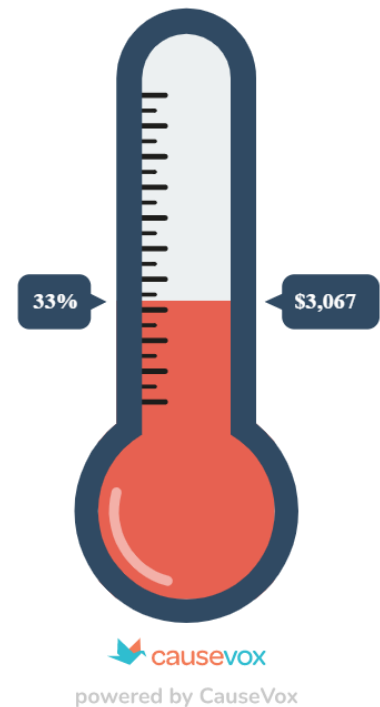
## RESEARCH PROMOTION



Hush Tahir  
(Committee Chair)

*Welcome Hush, our new RP Chair! If you are interested in volunteering with RP, please reach out to Hush at [Hush.Tahir@us.belimo.com](mailto:Hush.Tahir@us.belimo.com)*

GOAL: \$9,300



### 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.

## CTTC



Derek Leverenz  
(Committee 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

*Welcome Derek, our new CTTC Chair! If you are interested in volunteering with CTTC, please reach out to Derek at [d.leverenz@syserco.com](mailto:d.leverenz@syserco.com)*

### 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.

If you're interested in volunteering for the Government Affairs Committee, reach out to our GAC Chair and Co-Chair!

## 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 below:

<https://www.ashrae.org/about/government-affairs/government-affairs-updates>



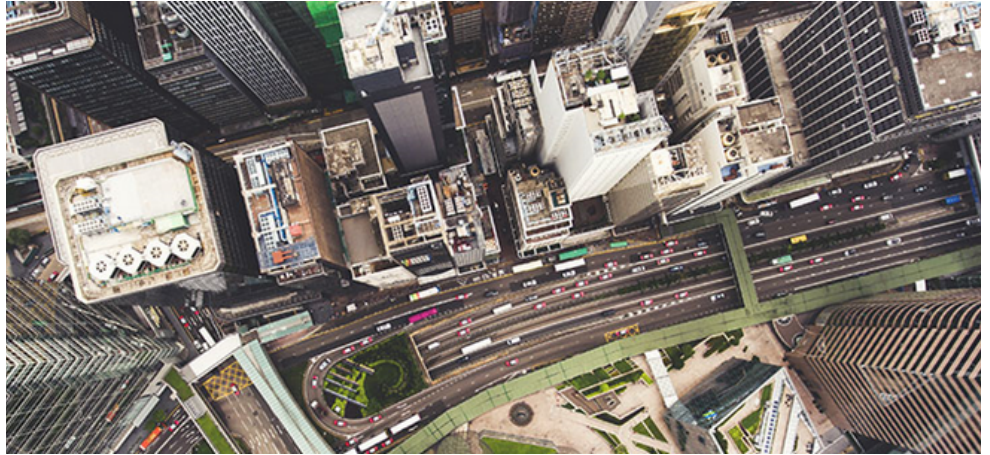
Catherine Wood  
GAC Chair  
2022 - 23

cwood@  
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com



Vanessa O'Connor  
GAC Co-Chair  
2022 - 23

voconnor@  
westernallied.  
com



## ASHRAE Announcements

### [Check Out the ASHRAE Journal Podcast](#)

Tune into conversation between leading ASHRAE experts as they discuss what HVAC engineers need to know to design better systems and grow the HVAC&R industry. You can listen in using your favorite podcast Apps or online. ASHRAE Journal Season 3 can be found [here](#).

### [ASHRAE President Farooq Mehboob and Treasurer Dennis Knight Speak at COP 27 Event](#)

The COP27 climate summit brought global leaders to Sharm El-Sheikh, Egypt where a two-week climate summit hosted by the United Nations produced a historic agreement for a new global fund to pay for climate damage suffered by developing and poorer countries. ASHRAE President Farooq Mehboob and Treasurer Dennis Knight both provided remarks at a COP27 event, Planning, Design and Development in the Global South: The "How To" for People + Planet. This event, hosted by Architecture 2030, ASHRAE, and the International Network of Women Engineers + Scientists, included a diverse panel of leading practitioners in planning, design and construction of buildings, landscapes, and infrastructure. To view the presentation, please visit [here](#).

## Local Announcements

### [California Joins National Building Performance Standards Coalition](#)

On December 7, California state officials announced that the state would be joining the National Building Performance Standards Coalition, a voluntary initiative for state and local governments that are committed to implementing Building Performance Standards (BPS) in their jurisdictions. With the addition of California to the 38 other state, county, and municipal governments in the coalition, and including the recently announced new Federal Building Performance Standard, a quarter of buildings nationwide are now included under this BPS commitment. More information on the National BPS Coalition can be found [here](#).

### [California Air Resources Board Releases Final Scoping Plan for Emissions Reduction](#)

In November, the California Air Resources Board (CARB) released a Final Scoping Plan, which is a roadmap for achieving the state's emissions reduction goals and requirements. State law requires that California reduce emissions 40% by 2030 and 85% by 2045. Governor Newsom also has an accelerated goal of cutting emissions 48% by 2030. The CARB plan anticipates massive changes over the next few decades, including an 86% drop in consumer demand for petroleum and natural gas, and a fourfold increase in the amount of power generated from wind and solar energy by 2045. The plan also requires the widespread adoption of zero-emission vehicles, given that the transportation sector currently accounts for half of statewide greenhouse gas emissions and is the single largest source of emissions in the state. The plan also calls for electric-only appliances in residential buildings beginning in 2026 and in commercial buildings by 2029, with the installation of at least 6 million heat pumps by 2030. The plan will be under final consideration by CARB at its December 15-16 meeting. If it is fully implemented, the state will need to generate twice the current amount of electricity to meet new demand. The full Final Scoping Plan can be found [here](#).



## STUDENT ACTIVITIES



Chalini Ekanayake  
(Committee Chair)



Stanford  
University



**ACE MENTOR PROGRAM**  
ARCHITECTURE • CONSTRUCTION • ENGINEERING



**Santa Clara  
University**

### Announcements



Interested in Outreach? ASHRAE can provide tools to help!

- ASHRAE and HVAC & R related presentations for high school and university students
- Hands-on STEM activities for K-8 students
- ACE Mentorship volunteering with High School students

## ACE Mentor Program Volunteer Opportunities

If you are interested or would like more information on becoming a mentor to High School students to teach them about Architecture, Construction, and Engineering, please see the flyer below for more information!

### Mentors needed Jan - May 2023!

#### WHAT DO ACE MENTORS DO?

- ▶ Team up with other Bay Area Professionals to inspire students in your field.
- ▶ Facilitate a 2-hour weekly session. Typical sessions involve guest speakers, activities, and time for student teams to work on a final project design.
- ▶ Sessions will be a combination of on-line and in-person meeting.

#### PERKS FOR YOU:

- ▶ Networking opportunities.
- ▶ Gain soft skills experience.
- ▶ Warm fuzzy feelings knowing you are giving back to students in your community!

#### HOW DO I JOIN?

Complete the online registration and parent consent form at <https://app.acementor.org/login>

Teams include the following regions:

- ▶ San Francisco
- ▶ Peninsula
- ▶ Contra Costa
- ▶ San Jose
- ▶ Oakland
- ▶ Solano
- ▶ Marin

#### Got Questions?



The ACE (architecture, construction, engineering) Mentor Program is a national non-profit organization, reaching over 8,000 students annually. Learn more and register today at [acementor.org](https://acementor.org).

**Questions?** San Jose Region, Contact Hugh King at [hugh.king@salasobrien.com](mailto:hugh.king@salasobrien.com)



## ACE Mentor Program Student Outreach

If you know of a high school student that is interested in Architecture, Construction, and Engineering, the ACE program may be a great opportunity for them to learn! Please refer to the following flyer for more information.

### EVER WONDER HOW A BUILDING WORKS? .....



### ..... HOW DOES IT GET BUILT? .....



### ..... HOW DOES IT STAND UP?

## LEARN MORE BY JOINING THE ACE MENTOR PROGRAM!



- ✂ FREE weekly team activities from January to May
- ✂ Open to all high school students
- ✂ Learn about architecture, construction, and engineering from guest speakers and mentors
- ✂ Gain professional and leadership skills through team interactions and design projects
- ✂ Potential scholarships
- ✂ Connect with other students as passionate as you!

Check with your local team for if sessions will be held virtually, in-person, or a combination of both!

**GOT  
QUESTIONS?**

CLICK TO WATCH  
A VIDEO ON ACE

<https://www.youtube.com/watch?v=rzBqlyTwM>

## HOW DO I JOIN?

Complete the online registration and parent consent form at <https://app.acementor.org/login> or scan the QR code below.

Teams include the following regions:

- 📍 San Francisco
- 📍 Peninsula
- 📍 Contra Costa
- 📍 San Jose
- 📍 East Bay
- 📍 Solano
- 📍 Marin



## NEW JOB POSTING

### PACIFIC COAST TRANE – Ductless Applications Sales Specialist

**SUMMARY:** Pacific Coast Trane is looking for someone to be responsible for VRF/Ductless product sales, growth, and sales solutions that involve teaming with Account Managers in assigned territory. Provides sales support in the design, application and selection of Trane VRF (Variable Refrigerant Flow) and HVAC Ductless products. And will work closely with our specifying engineers, contractor and owner customers. This is an inside sales position but some local travel might be necessary.

**Qualifications:** Associates or Bachelor's degree in engineering or engineering technology with a minimum of three years' experience in the application, selection, and/or installation of VRF systems; or equivalent combination of education and work experience. Working knowledge of all facets of construction including mechanical, electrical, plumbing systems, etc. preferred. Great public speaking and presenting experience is required.

This is an inside sales position, but some local travel may be required. We offer competitive compensation and comprehensive benefits plan.

To apply, please email resume to: [jcregala@trane.com](mailto:jcregala@trane.com)

### PACIFIC COAST TRANE – Ductless Technical Product Specialist

**SUMMARY:** Pacific Coast Trane is looking for someone to be responsible for working closely with our contractor customers and internal service fulfillment team to ensure proper installation and startup. Also, providing technical sales support in the application of Trane VRF (Variable Refrigerant Flow systems) and Ductless HVAC products.

**Qualifications:** Associates or Bachelor's degree in engineering or engineering technology with a minimum of three years' experience in the application, selection, and/or installation of VRF systems; or equivalent combination of education and work experience. Working knowledge of all facets of construction including mechanical, electrical, plumbing systems, etc. preferred. Mitsubishi VRF start up and check out preferred.

This is a technical position with local travel required. We offer competitive compensation and comprehensive benefits plan.

To apply, please email resume to: [jcregala@trane.com](mailto:jcregala@trane.com)





## **AGC Inc. – Lead Design Engineer**

**SUMMARY:** AGC Inc. is a Design/Build firm looking for an experienced lead design engineer to join our team!

Why choose AGC?

- We pride ourselves in our friendly, family-like environment. AGC employees tend to stay with us for the long haul!
- We support career growth and development and will reimburse any cost related to further education/certifications.
- Our clients are not run-of-the-mill. We design mechanical and process systems for biotech labs, university science and research labs, MOBs, semiconductor facilities to name a few. We welcome innovative ideas and encourage creative thinking.
- Our compensation and benefits package are both extremely competitive.

### **Job Description:**

- Design all types of mechanical systems for the building industry including HVAC, plumbing, and process piping.
- Prepare load calculations, distribution loss calculations, reports, and engineering studies to support the design solution and support construction.
- Perform site visits to examine existing conditions and validate field construction.
- Develop project drawings using AutoCAD MEP or Revit to capture all scope for bidding and construction.
- Coordinate with other design team members (architects, structural, and electrical engineers) during design and during construction phases as required for coordination of the projects.
- Work with equipment vendors to size and select air handlers, pumps, boilers, compressors, etc.
- Work with project managers to keep the project within budget and to track changes to the design.
- Respond to design comments from Owners, Contractors, and the City to demonstrate that the project meets design intent and code requirements.

### **Skills & Requirements:**

- Bachelor's Degree in mechanical engineering or equivalent experience
- 5+ years of Design Engineering experience
- Experience in AutoCAD is required, Revit is a plus
- Professional Engineer License or track is preferred
- Cohesive understanding of mechanical and plumbing systems
- Communications skills are a must between clients and other colleagues

Contact: Jon Mohs at [jon@agcinc.com](mailto:jon@agcinc.com)





## 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!

