Hello San Jose ASHRAE Members –

September is finally here, and with September comes new beginnings! Whether you're an ASHRAE member with a family, bringing children into another school year, or an ASHRAE member fresh out of college, stepping into your career, September is a time for new experiences and adventure.

So come celebrate September with your colleagues at the September Social! The annual September Social will take place on Wednesday September 14 at Testrarossa Winery in Los Gatos. Hopefully you've already registered, as registration has officially closed. If you still want to attend, reach out to Austin Hochstetler (AHochstetler@controlac.com) to see if there are any last minute openings.

Our technical meetings will be in-person once more at the recently renovated (and renamed) hotel, Delta Hotels (Santa Clara Silicon Valley). Come join us on Wednesday October 12 for a presentation on the City of San Jose's Building Electrification Plan. Our guest speaker, Monika Starr, is part of the Climate Smart Team. She will be bringing us up to date on the latest developments in San Jose.

For those looking ahead to November, come join us on Wednesday November 9 for Student Night. There will be students from San Jose State and Cal Poly SLO in attendance, and there will be a presentation on 2022 Title 24 Changes! Our guest speaker, Sargon Ishaya, will present on the key changes to the updated code and how that will affect building design in the future. Come to stay informed on the latest code and to meet students interested in our industry.

Finally, Top Golf RP Night will take place on Thursday November 10. Register ahead of time to claim your spot! There will be Top Golf, a Texas-style BBQ, and drinks for all of our members. Students will be attending as well, and there are sponsorship opportunities, including opportunities to sponsor students. Registration and a flyer with more details will be available soon!

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
OCTOBER TECHNICAL MEETING
The City of San Jose’s Building Electrification Plan

Presented By
Monika Starr

RSVP ONLINE
HTTPS://SANJOSEASHRAE.WILDAPRICOT.ORG/EVENTS

Date: Wednesday - October 12, 2022
Location: Delta Hotels Santa Clara Silicon Valley
2151 Laurelwood Rd, Santa Clara, CA 95054

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

Registration:
Early Bird Registration $50 - Register by October 5 (Wednesday)
Registration $60
OCTOBER TECHNICAL MEETING

SPEAKER

Monika Starr
The Climate Smart Team
City of San Jose Environmental Services

SPEAKER BIOGRAPHY

Monika Starr is a Public Information Rep II with the City of San José’s Environmental Services Department. Monika works on recycling education campaigns to help San José residents recycle right. She is also the lead for community engagement for the City’s climate action plan, Climate Smart San José. Monika leads outreach that educates the community on various efforts to combat climate change including building electrification and water conservation.

PRESENTATION SUMMARY

Climate Smart San José, adopted by the City Council in 2018, lays out how we are doing our part to address climate change. It’s a community wide initiative to reduce air pollution, save water and improve quality of life. To get there, Climate Smart sets ambitious goals for energy, water, transportation and local jobs. This presentation will cover the goals of Climate Smart, programs we’re currently working on, and what you can do to take climate action in San José.
NOVEMBER TECHNICAL MEETING
2022 Title 24 Changes

Presented By
Sargon Ishaya,
PE, LEED AP

RSVP ONLINE
HTTPS://SANJOSEASHRAE.
WILDAPRICOT.ORG/EVENTS

Date:
Location:

Wednesday - November 9, 2022
Delta Hotels Santa Clara Silicon Valley
2151 Laurelwood Rd, Santa Clara, CA 95054

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

Registration:
Early Bird Registration
Registration
$50 - Register by November 2 (Wednesday)
$60
NOVEMBER TECHNICAL MEETING

SPEAKER

Sargon Ishaya, PE, LEED AP
Consulting Engineer
Pragmatic Professional Engineers
Adjunct Engineering Professor
San Jose State University

SPEAKER BIOGRAPHY

Sargon received his Master’s Degree from Stanford University and his Bachelor’s Degree from California Polytechnic State University in San Luis Obispo. He is a registered professional engineer in the state of Hawai’i and California, a LEED Accredited Professional, a NEBB supervisor for TAB and Building Commissioning, and a two-time past president of San Jose ASHRAE. He currently serves as the Post-High Student Activities Chair. Sargon spent many years in the design build industry before leaving to start his own mechanical, electrical, process piping and plumbing engineering consulting company called Pragmatic Professional Engineers. He has experience in the design of data centers, bio pharmaceutical facilities, solar-thermal systems, semi-conductor facilities, lab and office buildings, and residential and hotel design.

PRESENTATION SUMMARY

In August 2021, the California Energy Commission adopted the 2022 Title 24, Part 6 Energy Code updates that will take effect January 1, 2023. Sargon will present on the key changes to the updated code and how that will affect building design in the future.
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.

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:

- Harikrishna Patadiya
- Lior Raskin
- Ivan Russo

“We look forward to seeing you at the next meeting!”
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.

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

GO FOR THE GOAL!
Our Goal: $9,300.00
THURSDAY | NOVEMBER 10, 2022

Come support Research Promotion (RP) at Topgolf!

Meetup with coworkers, colleagues, and long time friends for a night at Topgolf. Students from Cal Poly San Luis Obispo and San Jose State will be invited as well, and a Texas Style BBQ will be provided along with a round of drinks!

**Date:** November 10, 2022

**Location:** Topgolf San Jose

10 Topgolf Dr, San Jose, CA 95134

**Time:**

Check-In & Top Golf 5:00 PM

Dinner & Top Golf 6:00 PM - 8:00 PM

**Registration:**

Team Registration for (3) $400 - Register by October 26 (Wednesday)

Individual Registration $150 - Register by November 2 (Wednesday)

See the next page for sponsorship opportunities!
If you're interested in sponsoring a student or the event, reach out to our Research Promotion Chair Hush Tahir at Hush.Tahir@us.belimo.com.

(1) Event Sponsor  $3000
Recognition at the event / newsletter / website. Logo will be advertised on all booth tables. Includes registration for 6 and one booth.

(2) Golf Sponsor  $2000
Recognition at the event / newsletter / website. Logo will be advertised on take-home golf balls. Includes registration for 3 and one shared booth.

(5) Bar Sponsor  $1000
Recognition at the event / newsletter / website. Logo will be advertised on the bars. Includes registration for 3 and one shared booth.

Student Sponsor  $150
Sponsor a student! Each donation will allow (1) student to attend the event for free. Remaining sponsorship funds will go to Student Activities!
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

Upcoming Events

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

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

Public Comment Opportunities:

- No new opportunities this month!
### ASHRAE Announcements

**U.S. ASHRAE Members Request at EPA-hosted webinar on the Epidemic Task Force Core Recommendations**

On August 9th, the Environmental Protection Agency (EPA) hosted a webinar on ASHRAE’s Epidemic Task Force (ETF) guidance developed in response to the COVID-19 pandemic. The webinar examined engineering controls (ventilation, air distribution, filtration, air cleaning, and others) and how to reduce indoor exposure to infectious aerosols such as SARS-CoV-2, the virus that causes COVID-19. Dr. William Bahnfleth, chair of the ETF, identified the ETF’s “Core Recommendations” and elaborated on the rationale behind the key principals relevant to engineering controls in buildings. These core recommendations address public health guidance, ventilation, filtration, air cleaning, air distribution, HVAC system operations, and system commissioning (verify that HVAC systems are function as designed).

Link to ASHRAE Core recommendations: [EPA Webinar Recordings](https://www.epa.gov/)

**ASHRAE Boise Chapter Sends Letter to Idaho Building Code Board Regarding Proposed Code Changes**

On August 11, Thomas Simenc, President of ASHRAE’s Boise Chapter, sent a letter to the Idaho State Building Code Board regarding proposed code changes being considered by the board. The proposed rulemaking would remove sections of the building energy code related to commissioning requirements, mechanical requirements, water heating, and lighting efficiencies. The Boise Chapter’s letter stated that ASHRAE opposes rolling back these requirements and removed the changes would make the code less effective and less efficient, resulting in higher operating costs. During its meeting on August 16, the Building Code Board decided to allow more time for public comment until November regarding the proposed changes. Thomas Simenc, as well as ASHRAE members Tom Johnson, Damon Woods, Robyn Vowell, and Dan Russell of the Boise Chapter, will also meet with the Idaho Division of Occupational and Professional Licenses (DOL), one of the state agencies responsible for drafting the code revisions, regarding the code proposal. The Building Code Board will make a recommendation to the Idaho State Legislature, which will make the final decision on whether to proceed with the changes.

### Local Announcements

**City of San Diego Plans to Ban Natural Gas in New Homes and More Energy Efficient Buildings**

In early August, the San Diego City Council voted unanimously to approve a new Climate Action Plan that calls for banning fossil fuels in new construction, while also electrifying nearly all existing buildings over the next 12 years. This would align with the city’s existing goal of reaching net-zero emissions by 2035. Multiple cities have restricted the installation of gas stoves and heaters in new construction, but San Diego would be the first in California to focus on retrofitting existing buildings as a major component of their electrification goal. Phasing out natural gas from existing buildings, including all those owned by the city, would represent nearly 40% of all greenhouse gas reductions by 2035. Under the new plan, drafted in 2019, building retrofits composed less than 2% of total greenhouse gas reductions. A new building ordinance, along with a detailed implementation and funding plan, is expected in early 2023.

**New Report on State-Level Pathways to Residential Decarbonization**

A new scorecard from the American Council for an Energy-Efficient Economy (ACEEE) evaluates each state according to 33 possible actions it could take to reduce pollution and housing costs for residents through energy efficiency, electrification, and renewable energy investments. These recommendations include incentives for low-income households to install solar panels, prioritizing health and safety repairs in home weatherization initiatives, and protecting customers from utility shutoffs if they apply to participate in energy efficiency programs. According to this metric, Maryland, Rhode Island, and California were the top-performing states. The full report can be found on the ACEEE website.
Interested in Outreach? ASHRAE can provided 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
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

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
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
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!