



# San Jose Chapter



Hello San Jose ASHRAE Members –

I hope you are having a wonderful summer. We are looking forward to the start of a new ASHRAE year and the programs and events that will bring. We will be meeting in the same location as before, at the Delta Hotels (Santa Clara Silicon Valley). Looking forward to seeing you there! Especially for some time at the bar beforehand. Second, let's welcome our new officers and chairs to the ASHRAE 2022 – 2023 year! A round of applause to all those below who will be leading our chapter:

President-Elect	Benito Ferreyra
Treasurer	Jacob Saxinger
Secretary	Chalini Ekanayake
BOG #1	Hush Tahir
BOG #2	Nathan Preece
CTTC Chair	Derek Leverenz
GAC Chair	Catherine Wood
MP Chair	Orlando Perez
SA Chair	Chalini Ekanayake
RP Chair	Hush Tahir
YEA Chair	Jake Saxinger
Bocce Ball Chair	Austin Hochstetler
Communications Chair	Nate Preece
Diversity in ASHRAE Chair	Elise Kiland
Historian	Orlando Perez
Honors and Awards	Joe Chin

If you're interested in volunteering for a committee, reach out to the committee chairs above. We would be happy to bring you onto the team!

Finally, we have several events planned in Fall – our annual September Social and a new Top Golf RP Night!

Our annual September Social will take place on Thursday September 14th. Our President-Elect, Benito Ferreyra, has planned a wonderful cocktail reception and dinner at Testarossa Winery in Los Gatos to bring our members together once more. We have several sponsorship opportunities – see the flyer on our event page for more information!

Our new Top Golf RP Night will take place in November. Our Research Promotion (RP) Chair, Hush Tahir, has planned an exciting night filled with Top Golf. We have several sponsorship opportunities, including opportunities to sponsor students – stay tuned for more information! I'm looking forward to the year ahead. For now, here's hoping for a relaxing rest of the summer.

Wishing You the Best,

Austin Hochstetler  
2023-2024 Chapter President

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# Thank You!



**THURSDAY | SEPTEMBER 14, 2023**

Welcome back San Jose ASHRAE!

We're excited to kick-off the 2023 - 2024 year with our annual September Social. The social will be held at Testarossa Winery in Los Gatos. The cocktail reception will be held outdoors on the patio and the sit-down dinner will be held in the Cask Room.

<b>Date:</b>	September 14, 2023
<b>Location:</b>	Testarossa Winery
<b>Time:</b>	300 College Ave, Los Gatos, CA 95030
<b>Check-In and Social</b>	6:30 PM
<b>Dinner</b>	7:15 PM - 9:30 PM

<b>Registration:</b>	
Early Bird Registration	\$75 - Register by August 25 (Thursday)
Registration	\$85 - Register by September 2 (Friday)

See the next page for sponsorship opportunities!







If you're interested in sponsoring the September Social, reach out to our President-Elect Benito Ferreyra at [BFerreyra@westernallied.com](mailto:BFerreyra@westernallied.com).

**(1) Platinum Sponsor**

\$3000

Recognition at the event / newsletter / website.  
Banner with logo will be hung at the front.  
Logo will be shown on all tables.  
Logo will be shown on custom wineglasses.

**(1) Silver Sponsor**

\$1500

Recognition at the event / newsletter / website.  
Banner with logo will be hung at the front.  
Logo will be shown on all tables.

**(2) Bronze Sponsor**

\$1000

Recognition at the event / newsletter / website.  
Logo will be shown on all tables.



SAN JOSE ASHRAE CHAPTER SEPTEMBER SOCIAL

# SILVER SPONSOR



# BRONZE SPONSORS



THANK YOU TO OUR SPONSORS







***November***

***Technical Meeting: Student Night***

**Steve Taylor Presenting: Guideline 36 -  
Best in Class HVAC Control Sequences**

**TIME:**

**CHECK-IN AND SOCIAL**

**5:30 PM**

**DINNER**

**6:30 PM - 8:15 PM**

**YEA MIXER**

**8:30 PM - LAST CALL**

**REGISTRATION:**

**REGULAR**

**\$75**

**STUDENT**

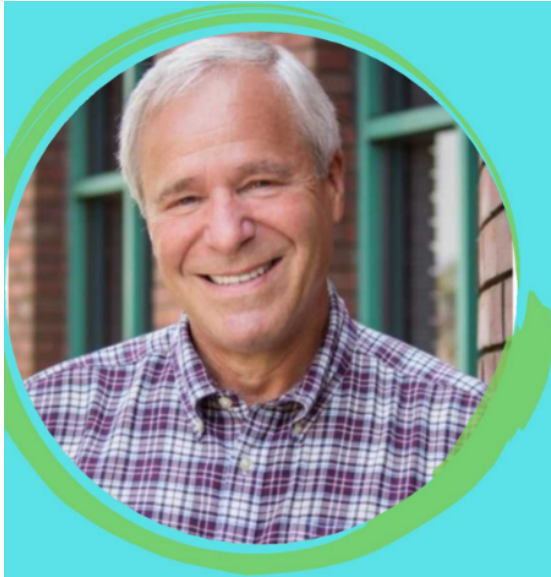
**FREE**

**TABLE SPONSORSHIP\***

**\$300**

**\*COMES WITH RECOGNITION AT EVENT, AND LOGO ON TABLES.**





Steve Taylor has over 40 years of commercial and institutional HVAC system design experience, the last 12 with design/build contractors before starting Taylor Engineers in 1995.

Mr. Taylor is a nationally known building automation system expert. He is the author of an ASHRAE sponsored textbook on the Fundamentals of HVAC Control Systems and served as chair of ASHRAE's Control Theory & Application Technical Committee 1.4 and ASHRAE's Guideline Committee 13 Specifying Building Automation Systems. Recently he founded and is a past chair of ASHRAE's Guideline 36 High Performance Sequences of Operation for HVAC Systems.

**Presentation summary:** Standard practice for HVAC digital control systems includes creating custom control sequences for each building, often dumbed down to "keep it simple" for the building operator so much so that they are not in compliance with codes and standards such as Standard 90.1/Title 24 (energy) and Standard 62.1/Title 24 (ventilation). Even with this oversimplification, the sequences are not always well programmed, debugged, and commissioned because of the one-off custom application, resulting in subpar building performance. Guideline 36-2018, High-Performance Sequences of Operation for HVAC Systems, was created to address these issues. It includes best-in-class control sequences that have been optimized to minimize energy use and maximize comfort and indoor air quality, that are intended to be preprogrammed and pre-debugged by control system manufacturers. Guideline 36 has the potential to have a larger impact on building energy use than any other ASHRAE standard or guideline. Early implementations of the sequences have shown dramatic energy savings (e.g. more than 50% reduction in boiler energy use in two buildings), all while maintaining code ventilation requirements and improving thermal comfort. And at the same time, using the Guideline reduces costs for all parties: engineers spend less time writing sequences, local control contractors spend less time programming, commissioning agents spend less time testing, building engineers spend less time operating and maintaining, and building owners pay lower energy bills. Meanwhile, occupants see better thermal comfort and better indoor air quality. Once fully implemented, Guideline 36 will be a win-win-win-win-win-win for all parties.





# MEMBERSHIP PROMOTION

We look forward to seeing you at the next meeting!

San Jose would like to welcome the following members:

- ❖ Andy Chang
- ❖ Mr. Donald A Snell
- ❖ Dr. Deepak Upadhyaya
- ❖ Mr. Rodrigo H Reyes
- ❖ Ms. Guo Zhou
- ❖ Mr. Michael Anderson
- ❖ Mr. Matthew R Hajny
- ❖ Mr. John M Hatfield
- ❖ Mr. Kent Penning

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.	2: Update your online ASHRAE profile.	3: Notify/Email ASHRAE
See the next page on attaining Full Membership	Go to <a href="http://www.ASHRAE.org">www.ASHRAE.org</a> . Select "My ASHRAE" and Select "Review/Update Profile"	Email <a href="mailto:membership@ashrae.org">membership@ashrae.org</a> . Let them know you have an updated bio and wish to be considered for a grade advancement.

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

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





## 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)

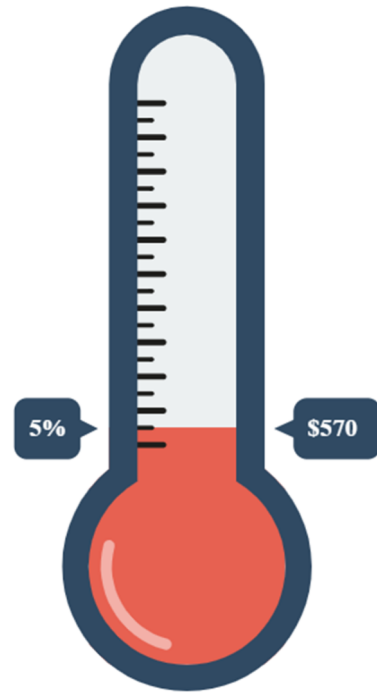
Now....add (A) + (C) + (D) + (E) = \_\_\_\_\_(F)

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

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

GOAL: \$11,000

*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)*



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## 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.

## CHAPTER TECHNOLOGY TRANSFER COMMITTEE

### 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  
2023 - 24

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Vanessa O'Connor  
GAC Co-Chair  
2023 - 24

VLasseson@western  
allied.com

## ASHRAE Announcements

### Americans Underestimate the Benefits of Heat Pumps and Electric Appliances

A Washington Post poll shows that a majority of Americans are not able to correctly gauge what climate change mitigation measures yield the best results. Importantly, a majority of survey respondents did not indicate that they thought using a heat pump or transitioning to electric instead of gas appliances would meaningfully reduce their carbon footprint, with 58% and 65% of respondents saying that these mitigation measures would have a little or no impact at all. This highlights the need for ASHRAE to continue to lead on advocacy and education on the subject of sustainable building practices and building decarbonization as greenhouse gas emission mitigation strategies. You can read an analysis of the survey and see the full results [here](#). To learn more about how to get involved with ASHRAE's advocacy efforts, please contact [GovAffairs@ashrae.org](mailto:GovAffairs@ashrae.org).

### ASHRAE Expert Speaks at Webinar on Healthy Schools

On August 23, Dr. Bill Bahnfleth, Chair of the ASHRAE Standard 241 Project Committee, spoke on a webinar hosted by the Efficient and Healthy Schools Program to discuss ASHRAE's newly published Standard 241, Control of Infectious Aerosols, which establishes minimum requirements for outdoor air ventilation system and air cleaning system design, installation, commissioning, operation and maintenance. On the webinar, Dr. Bahnfleth explained how the standard can help schools be better prepared to reduce airborne infection risks, including those that result in the flu and Covid-19. Bahnfleth also noted that Dr. Ashish Jha, the former White House Covid Response Coordinator, commended ASHRAE on its work in developing this standard.

The webinar also included a presentation by Kenneth Mead, Chief of the Engineering and Physical Hazards Branch at NIOSH, who described the CDC recommendations for improving indoor air quality through filtration, air disinfection and air flow. More information and resources about creating healthy and energy-efficient schools can be found [here](#).

## Local Announcements

### California City Officials Send Letter to Governor Requesting Statewide All-Electric Building Standards

On September 7, 26 local government officials in California, including mayors and city council members from major cities such as Los Angeles, San Francisco, Sacramento, and San Jose, sent a letter to Governor Gavin Newsom requesting that he encourage the adoption of a zero-emission building standard statewide. The letter references the federal court decision in April that overturned the city of Berkeley's building electrification ordinance and the challenges that it has created for local governments in the state, especially those that have already adopted a similar requirement. These local officials believe that only a statewide standard will prevent localities from having to backtrack on their existing commitments, and refer to the California Air Resources Board's Scoping Plan, issued last year, which specifically mentions an opportunity for the state to move forward with zero-emission building standards for new construction as part of the California Green Building Standards Code (CALGreen.) The letter also states that California has fallen behind in its leadership on building decarbonization, with New York becoming the first state to ban natural gas hookups in new buildings in May. The letter can be found [here](#).

### California Becomes First State to Require Reduction of Embodied Carbon in Building Code

In August, California became the first state in the U.S. to include in its building code requirements for the reduction of embodied carbon emissions in design and construction. These requirements will apply to commercial buildings and schools. Embodied carbon refers to greenhouse gas emissions from building materials over the entire life cycle, including manufacturing, transportation, installation, maintenance, and disposal. The code changes will limit embodied carbon in building materials for the construction, remodel, or adaptive reuse of commercial buildings over 100,000 square feet, and school buildings over 50,000 square feet. Emissions from buildings currently account for approximately 40% of California's greenhouse gas emissions. These new code changes will become effective starting July 1, 2024.



San Jose would like to welcome  
the following student members:

❖ Rebecca Grekin



**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
  - See next page 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!**



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

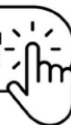
- ✂ FREE weekly team activities from January to May
- ✂ Open to all high school students
- ✂ Learn about architecture, construction, and engineering from guest speakers and mentors
- ✂ Gain professional and leadership skills through team interactions and design projects
- ✂ Potential scholarships
- ✂ 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=ir2BqlyTwM>

**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







## 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!

