



San Jose Chapter

San Jose ASHRAE Members and Friends,

Welcome back to another ASHRAE year! While we're not sure what the entire year will look like, we're kicking it off with some wonderful events.

Vanessa O'Connor arranged a Terrarium Workshop for Women in ASHRAE and Diversity in ASHRAE on September 24th. Attendees will be mailed a kit with supplies to plant a terrarium, along with a credit for a meal delivery order. Succulence, a local SF plant shop, will be virtually guiding us and we'll all enjoy a meal while working with our plants! Thanks to our generous sponsors, we are able to provide all of this for only \$10 to our members. I am ecstatic to highlight diversity in our chapter this year and am looking forward to this event. Email Vanessa if you have any further questions!

Joe Chin has been hard at work planning our September Social. On September 30th, we'll be enjoying a virtual guided whiskey tasting of 10th Street Distillery's six whiskey tasting kit and then enjoying our favorite drink while chatting about old chapter lore. What is your favorite past meeting location? Do you know why we are chapter 101? Log on to find out. 10th Street Distillery is a local San Jose business and has been producing hand sanitizer for frontline workers since the beginning of the pandemic; we are looking forward to supporting a local small business. Thanks to a generous sponsor, this event is open to 80 registrants for only \$20. Attendees who want to bring their own drink and learn more about the San Jose Chapter lore can register for free. For more information or sponsorship opportunities – please reach out to Joe Chin or me.

Fall means fire season here in California and the air quality has been less than healthy the past few weeks. Coupled with the ongoing interest in COVID-19 and other airborne pathogens, Indoor Air Quality (IAQ) is front and center on everyone's minds these days. We are very excited to welcome Distinguished Lecturer Brian Monk to present at our October meeting. Join us virtually on October 14th at 12 pm to learn more about how we can better design and retrofit existing buildings for improved indoor air quality.

If you have ideas or requests for future meetings, please let us know what you'd like to see! This will be an unprecedented year and we are always looking for feedback as to how we can best serve our members.

I regret to inform you all we are losing our president elect, Cinthya Carrillo, to Southern California. Cinthya has been a powerhouse K-12 STEM Champion for our chapter for the past few years and we will sorely miss her can-do attitude among our chapter leadership.

On that note, we are always looking for more volunteers. If you have a desire to be more involved with ASHRAE, please reach out to chapter leadership. All of our contact information can be found on the website; we'd love to welcome you to our chapter leadership.

I'm looking forward to the upcoming year and seeing you all virtually!

Elise Kiland
2020-21 San Jose Chapter President



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Thank You







SAN JOSE ASHRAE CHAPTER

SEPTEMBER SOCIAL

JOIN US FOR A VIRTUAL GUIDED WHISKEY
TASTING OF SIX WHISKEYS FROM SAN
JOSE LOCAL 10TH STREET DISTILLERY
FOLLOWED BY CHAPTER LORE AND YOUR
FAVORITE SAN JOSE CHAPTER MEMORIES

WEDNESDAY SEPTEMBER 30
6 PM





REGISTRATION

WHISKEY TASTING KIT

Cost - \$20

Try the whiskies of 10th Street with a guided tasting of six single whiskeys shipped to your door. Kit includes a 50 ml bottle of each whiskey.

Register by September 13 for delivery. Shipping only available in California; signature required for delivery.

Must be over 21 to order. Limited to 40 kits.

CHAPTER LORE

Cost - FREE

Register to receive the Zoom Invite to bring your own favorite drink and join us for chapter lore

Visit sjashrae.org to register

Visit 10thstreetdistillery.com for more info on whiskey tasting kit

Email Elise Kiland for more information or with questions
ekiland@cmihvac.com



OCTOBER TECHNICAL WEBINAR

IAQ AND COGNITIVE FUNCTION IN HIGH PERFORMING BUILDINGS

SPEAKER: BRIAN MONK, P.ENG, ASHRAE DL

We welcome you to join us for the October technical webinar. Check in with our chapter and learn about indoor air quality – an exceedingly important topic during California fire season and the COVID-19 pandemic.

Date: October 14, 2020

Time:

Chapter Announcements	12:00 PM
Presentation	12:10 PM

Location: Virtual
Log in information will be provided prior to the meeting

Cost: \$10

RSVP: <https://sjashrae.org>

Speaker:

BRIAN MONK, P.ENG, ASHRAE DL **NATIONAL SALES MANAGER, CARRIER**



Brian Monk is National Sales Manager, responsible for Carrier Custom Air Handling Solutions, specializing in design of air treatment systems, including airborne contaminant control and dedicated outdoor air systems with energy recovery.

Mr. Monk is also an instructor for Carrier University's Sustainability Symposiums under the International Association for Continuing Education and Training (IACET) program which provides CEU Credit for Professional Engineering Licensure.

His academic background comprises of a college degree in Applied Science (Building Systems Engineering Technology) from Vanier College of Montreal and a Bachelor of Building Engineering from Concordia University of Montreal. He is a Registered Professional Engineer with the Province of Quebec, Canada.

Mr. Monk is an ASHRAE Distinguished Lecturer, and Part-Time Professor in the Faculty of Building Engineering at Vanier College. He is also a member of the IAQA (Indoor Air Quality Association) and a member of Carrier's Healthy Building Center of Excellence committee.

Presentation Summary

Achieving balance among desired goals for indoor air quality (IAQ), energy consumption, and occupant comfort within the built environment is challenging. The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) endeavors to achieve this through guidelines and standards focused on advancing building science as it relates to environmental quality. This presentation will review the commonly used design guides found in ANSI/ASHRAE Standard 62.1, "Ventilation for Acceptable Indoor Air Quality."

The current form of ANSI/ASHRAE Standard 62.1 employs two mechanical ventilation procedures to provide acceptable IAQ in buildings: The Ventilation Rate Procedure and the Indoor Air Quality (IAQ) Procedure. While the Ventilation Rate Procedure provides only a dilution solution for the control of typical offending contaminants for a specified occupancy, the IAQ Procedure provides a directed approach by reducing and controlling the concentrations of selected air contaminants of concern through both dilution and enhanced air cleaning.

Rather than relying only on diluting the concentration of contaminants with outdoor air, designing with enhanced filtration of both recirculated and ventilation outdoor air can improve IAQ and result in the protection of the occupied space. This presentation will focus on the application of enhanced particle, gas-phase and biological filtration for compliance with Standard 62.1. An outline of the design aspects to consider will be reviewed, with the focus on achieving acceptable levels of contaminants of concern within the occupied space while considering the desire to meet high-performance building standards and improved cognitive functioning.



Vanessa Lasseson

Membership Promotion Co Chairs



Benito Ferreyra

San Jose would like to welcome the following members:

Associate:

- ❖ Shyam Kumar
- ❖ Franklin Lee
- ❖ Donald Yu
- ❖ Adrina Bourang

"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.
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.

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



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.



Rushang Shah

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 Lasseson

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



ASHRAE Announcements:

- ASHRAE President Sends Letter Supporting the Inclusion of ASHRAE Guidance in California Legislation
- ASHRAE Urges California to Adopt its Refrigerant Standards



GAC Announcements:

- ASHRAE Supports 239 Scientists' Statement on Airborne Transport of the Coronavirus

GAC ANNOUNCEMENTS



ASHRAE President Sends Letter Supporting the Inclusion of ASHRAE Guidance in California Legislation

ASHRAE Government Affairs Update

California Assembly Bill 841, establishing the School and State Building Energy Efficiency Stimulus Program, includes ASHRAE's Building Readiness Guidance and Guidance for Reopening Schools and Universities. In the [letter](#), ASHRAE President Gullledge states, "Using ASHRAE's guidance concerning ventilation and filtration provided by heating, ventilating and air-conditioning systems can reduce the airborne concentration of SARS-CoV-2 and thus the risk of transmission through the air. The guidance addresses the air transport path in the HVAC system, as well as air in the occupied space. ASHRAE recommends a minimum MERV 13 filter where feasible, along with appropriate ventilation rates, air distribution patterns, humidity control and supplemental disinfection." The letter also recommends the inclusion of ASHRAE Standard 188-2018, Legionellosis: Risk Management for Building Water Systems, and Guideline 12-2020, Managing the Risk of Legionellosis Associated with Building Water Systems, for addressing the water systems in school re-openings. The California Senate Energy, Utilities and Communications Committee held a hearing on the bill on August 3, at which the letter was included in the hearing record. The committee approved the bill and now must be considered by the California Senate Appropriations Committee.

ASHRAE Urges California to Adopt its Refrigerant Standards

ASHRAE Government Affairs Update

On August 4, ASHRAE President Gullledge sent a [letter](#) providing comments on the proposed California regulation, "Prohibitions on Use of Certain Hydrofluorocarbons in Stationary Refrigeration, Stationary Air-conditioning, and Other End Uses." The State of California is proposing to phase down the use of high-global warming potential (GWP) hydrofluorocarbon (HFC) refrigerants. As part of this process, ASHRAE wants to ensure safety standards are incorporated into building codes. The letter specifically recommends that ASHRAE Standard 15-2019, Safety Standard for Refrigeration Systems and ASHRAE Standard 34-2019, Designation and Classification of Refrigerants should be adopted by California to help ensure a safe refrigerant transition.

ASHRAE Supports 239 Scientists' Statement on Airborne Transport of the Coronavirus

ASHRAE joined more than 680 built environment experts and associations in signing a [petition](#) to Dr. Tedros Adhanom, Director General of the World Health Organization, in support of a statement sent by 239 scientists regarding research that indicates that in addition to droplets, the coronavirus can also be spread via aerosols, which is also known as "airborne spread." More information about the petition and statement of support can be found [here](#).



Sargon Ishaya

Student
Activities Co
Chairs



Chalini Ekanayake

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!

JOB POSTING

Mechanical Engineer – HVAC and Plumbing

AGC Inc.

745 Camden Avenue, Suite B
Campbell, CA 95008

Job Summary

AGC Inc. is a Design/Build firm looking for a Mechanical engineer to assess the needs of our clients, develop a coherent solution, and execute.

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.
- 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 trades during design and during construction phases as required for coordination.
- Work with equipment vendors to size and select air handlers, pumps, boilers, compressors, etc.
- Work with project manager to keep the project within budget and to track changes to the design.

Please email your resume and relevant experience to Richard@agcinc.com.