



# San Jose Chapter

## San Jose ASHRAE Members and Friends,

I almost cannot believe that we have made it through another COVID year. As we close out 2021 and head into 2022, I hope you all were able to send time with your loved ones over the holiday season. This season always fills me with a joy I hope to carry into the new year.

Our December meeting with the Golden Gate Chapter and Redwood Empire section was a wonderful event. We met at the MacIntyre Factory with Society President Mick Schwedler as our guest of honor. It was wonderful to see so many familiar faces who I haven't seen since our September Social or 2019 Joint Meeting with the Golden Gate chapter. Trane and Mitsubishi deserve a large thank you for their generous sponsorship of the event.

In the new year we have some exciting technical events planned. On January 13th we will have Brian Monk speaking virtually on IAQ and Healthy Building Design and we'll have Kathy De Jong speaking on how to Build Better Influence on February 9th. Both have presented to our chapter before and are very excited to have them back to speak again!

I'm excited to announce that the Winter Conference and AHR Expo are being held in a hybrid format in Las Vegas, NV in late January. I will be presenting the ASHRAE Crash Course and would love to see you all there! We are working on coordinating a San Jose Chapter meet up in Las Vegas and will let you know once we have something finalized.

We are also very excited to announce our bocce ball tournament will be held in person Thursday March 24th at Campo di Bocce, Los Gatos. We have not been able to hold this event since 2019 and we are so excited for it! Sarah Dahel is planning the event for us so please reach out to her if you have any questions or are interested in a sponsorship or a team.

If you have ideas or requests for future meetings or events, whether in person or virtually, 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.

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 or find us at the joint meeting! All of our contact information can be found on the website; we'd love to welcome you to our chapter leadership. We are in desperate need for a Research Promotion Chair, so if raising money or exploring new technologies tickle your fancy, please reach out!

Elise Kiland  
2021-22 San Jose Chapter President

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# Thank You



## ***JANUARY TECHNICAL MEETING***

### **IAQ AND COGNITIVE FUNCTIONING IN HEALTHY BUILDINGS**

**SPEAKER: BRIAN MONK**

We welcome you to join us for our January technical meeting. Check in with our chapter and learn about IAQ and Cognitive Functioning in Healthy Buildings. This presentation will focus on the application of enhanced particle, gas-phase and biological filtration for compliance with Standard 62.1 and recently published information on airborne pathogens.

**Date:** Wednesday – January 13, 2021

**Time:** 12:00 PM – 2:00 PM

**Location:** Virtual

**Cost:** \$10

**RSVP:** <https://sanjoseashrae.wildapricot.org>



## Speaker:

### **BRIAN MONK**

P.ENG., ASHRAE DL



Brian Monk is General 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.

## Presentation Summary

### *IAQ and Cognitive Functioning in Healthy Buildings*

GBCI Approved | 1.5 CE Hour | 0920017341    AIA Approved | 1.5 LU/HSW | MONK 04  
Classification: Intermediate

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, reduce airborne infectious disease and enhance cognitive functioning within the occupied space. This presentation will focus on the application of enhanced particle, gas-phase and biological filtration for compliance with Standard 62.1 and recently published information on airborne pathogens. 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 healthy building standards and improved cognitive functioning.





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## ***FEBRUARY TECHNICAL MEETING***

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### **BUILDING BETTER INFLUENCE**

**SPEAKER: KATHY DE JONG**

We welcome you to join us for our February technical meeting. Check in with our chapter and learn about Building Better Influence – increasing your ability to influence others to work effectively and get projects completed safely, on time, and under budget.

**Date:**                **Wednesday – February 9, 2021**

**Time:**                **5:00 PM – 8:00 PM**

**Location:**           **Virtual**

**Cost:**                **\$10**

**RSVP:** <https://sanjoseashrae.wildapricot.org>







## Speaker:

### KATHY DE JONG

BAY AREA SMACNA (SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION)

Kathy de Jong is the Labor Relations Manager for the Bay Area Chapter of SMACNA, a construction association representing over 150 contractors in the HVAC/sheet metal industry. Working previously as a consultant and having been recruited in the industry, she is well versed in developing her influence skills working across organizations. In an industry where connections are key and tenured professionals abound, Kathy thrives on collaborating with others, seeking to understand their motivations, and helping them to succeed with common objectives. She relishes supporting the sheet metal apprenticeship program, serving on several trustee boards, and helping to lead the Women in Construction group as part of her responsibilities.

Kathy's background includes leadership roles in recruiting, learning and development, and career development. She has a MA in Organizational Management and Development from Fielding Graduate University and BA in Public Policy from California State University, Sacramento. She has been fortunate to expand her passion for learning and sustainability on the Board of Directors for Rising Sun Center for Opportunity and has served on several other non-profit boards. Her other hobbies include skiing and attempting to be a better coach for her 3 children.

## Presentation Summary

Construction projects require trust and collaboration by multiple stakeholders in order to work effectively to get projects completed safely, on time, and under budget. Your ability to influence others across organizations and levels is fundamental to getting key objectives completed with the support you need.

This program will increase your awareness of the strategies needed and steps you can take to increase your ability to influence others.

You will:

- Understand the three primary outcomes of effective influence strategies
- Practice communication techniques to build better buy-in
- List personal strategies to increase your impact with others

## 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:

- ❖ Dalton Guidry
- ❖ Aaran Bolden
- ❖ Dr Azita Soleymani

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)



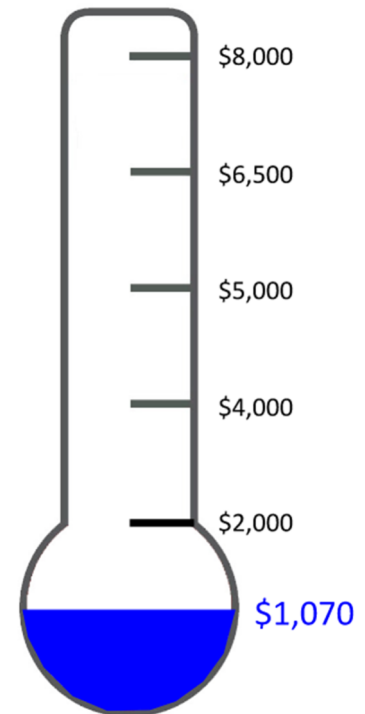
## RESEARCH PROMOTION



**HELP WANTED!**  
(Committee Chair)

*Help Wanted! If you are interested in volunteering for this open SJ ASHRAE position, contact Elise Kiland at [ekiland@cmihvac.com](mailto:ekiland@cmihvac.com)*

2021-22 RP Goal  
\$9,000



### 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>

## GOVERNMENT AFFAIRS



Vanessa Lasseon  
(Committee 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:

- No new opportunities this week!

## STUDENT ACTIVITIES



Chalini Ekanayake  
(Committee Chair)



**Stanford**  
University



### 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.



**ASHRAE** American Society Of Heating, Refrigeration and Air-Conditioning  
Engineers, Inc.  
1791 Tullie Circle, NE • Atlanta, Georgia 30329-2305 ☎ 404 636-8400 • Fax 404-321-5478 •  
[www.ashrae.org](http://www.ashrae.org)

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# ***San Jose ASHRAE Scholarships***

## ***Various Awards Available to Qualified Applicants***

### **For Academic Year 2021 – 2022**

**Deadline for Receipt of Application:**

**May 30, 2022**

Interviews:

To Be Determined

Announcement of Selection:

**June 2022**

#### **Description of the Award:**

The purpose of the scholarship is to promote student interest in the Heating, Ventilating, Air Conditioning and Refrigeration industry.

#### **Eligibility Requirements:**

1. The applicant must be a full-time student (12 Units or more) and enrolled in an accredited Mechanical Engineering, HVAC&R or other major related to the goals of ASHRAE during the 2021-2022 Academic Year.
2. The applicant can be an undergraduate or graduate student at a junior college or university
3. The applicant must be a Student Member of ASHRAE. The student membership application may be submitted along with the scholarship application.

#### **Application Requirements:**

1. Application form
2. Essay – The essay should be one to two pages outlining the applicants educational & career goals, and reasons for interest in the HVAC&R industry. Also describe any relevant student projects, work related projects, or coursework that have sparked an interest in HVAC&R. Any previous involvement with ASHRAE should be described. The applicant should also include any additional information he/she would like the selection committee to know about them.
3. Current Resume
4. Current Transcript. Transcripts must have description/name of class not just class numbers.

Please visit our chapter at [www.sanjoseashrae.org](http://www.sanjoseashrae.org) or the link from Society's home page





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## **Selection Process:**

All applications will be reviewed by the scholarship committee & presented to the San Jose ASHRAE Board of Governors. The following criteria will be evaluated:

1. Relevance of the student's background to the HVAC&R industry based on the essay & coursework.
2. Subject matter and grades in courses relating to ASHRAE interests and goals will be strongly considered.
3. Financial need for the scholarship will be considered.
4. The committee recognizes that many students have not formulated career objectives or geographical preferences due to lack of employment commitments and experience. However, additional consideration will be given to those applicants whose career interests coincide with that of the Chapter and ASHRAE.
5. The committee may request to interview the applicant via phone or in person.

Email your application or any questions to:

Chalini Ekanayake  
Western Allied Mechanical, Inc.  
Phone: 650-798-9119  
Email: [cekanayake@westernallied.com](mailto:cekanayake@westernallied.com)

Or

Sargon Ishaya  
Pragmatic Professional Engineers, Inc.  
Phone: 408-982-6246  
Email: [Sargon@PragmaticPE.com](mailto:Sargon@PragmaticPE.com)

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# ***ASHRAE San Jose Chapter 101 Scholarship Application***

**Academic Year 2021 - 2022**

**Name**

\_\_\_\_\_  
Last

\_\_\_\_\_  
First

\_\_\_\_\_  
Middle

**Name of College/University**

**Student ID #**

**Class Level: 2021-22 school year**

**Major**

**Emphasis**

**ASHRAE Member Number:**

**Present Address:**

\_\_\_\_\_  
Street

\_\_\_\_\_  
City

\_\_\_\_\_  
State

\_\_\_\_\_  
Zip

**Permanent Address:**

\_\_\_\_\_  
Street

\_\_\_\_\_  
City

\_\_\_\_\_  
State

\_\_\_\_\_  
Zip

**Phone Number:**

**Email:**

**Birth Date:**

EDUCATION	Name & Location of School	Years Attended	Date Graduated	Subjects Studied
High School				
College/ University				

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Subjects of Special Study or Research work:

Activities (Exclude organizations that the name or character of which indicates race, creed or national origin of its members):

Date:

Signature:

San Jose ASHRAE Chapter Use Only:

- ☐ Application
- ☐ Essay
- ☐ Resume
- ☐ Transcript

Please visit our chapter at [www.sanjoseashrae.org](http://www.sanjoseashrae.org) or the link from Society's home page

## NEW JOB POSTING

### Project Design Engineer - Force Support Services

We are:

- Force Support Services, an innovative engineering company that is growing rapidly.

We produce:

- Solutions for the support and seismic bracing of non-structural components. Our value engineered seismic bracing reduces installation inefficiencies while satisfying the latest code requirements.

We value:

- Engineers with out-going personalities, who enjoy working in a fast-paced yet flexible work environment with huge potential for personal growth

Our Engineering Services:

- Support/bracing material supply and design for both new and retrofit projects.

At Force Support Services you will:

- Do Seismic and wind force calculations (non-buildings)
- Design piping and duct support systems per code requirements and industry standards
- Be able to provide technical support for innovative mechanical products
- Complete equipment vibration isolation designs
- Design steel frames and manage fabrication logistics
- Complete concrete anchor attachment design
- Be a project management whiz

You will be effective if you:

- Have a B.S. in Mechanical, Industrial, or Civil Engineering

Employer's Email Address: [tim@forcesupportservices.com](mailto:tim@forcesupportservices.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!

