San Jose ASHRAE Members and Friends,

We are getting some rain, some warmer weather, and some return to “normal” with in person ASHRAE events! As overjoyed as I am to see life returning to some pre-COVID norms, I could do without the rise in traffic!

Our last virtual technical meeting for the year will be Tuesday May 10th on Electric Resistance Boilers with Gregg Achtenhagen and John Lemke. It should be an insightful event where we will learn how electric boilers play a role in decarbonization! Please see our website for registration.

We are teaming up with the Golden Gate chapter on April 24th and 30th at the Bay Area Science Fair! The event on the 24th will be at Oracle Park in San Francisco and at Cal State East Bay in Hayward on April 30th. We are looking for volunteers to help man the booth and also hope to see those of you with children at the event! It is free to attend. Please contact Chalini Ekanyake for more information.

We had a blast at our first in person bocce ball tournament in years in March! I want to thank all of our sponsors for supporting the event and Sarah Dahel who coordinated and made sure it was a huge success! I hope everyone who attended had a blast and I am already looking forward to next year’s event.

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.

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.

Elise Kiland
2021-22 San Jose Chapter President
MAY TECHNICAL WEBINAR

DECARBONIZATION AND ELECTRIC RESISTANCE BOILERS

SPEAKER: GREGG ACHTENHAGEN AND JOHN LEMKE

We welcome you to join us for the April technical webinar. Check in with our chapter and learn about how the importance of comfort and ventilation in the workplace and how they influence operational costs of a facility.

Date: May 10, 2022
Time:
  Chapter Announcements  5:00 PM
  Presentation  5:15 PM
Location: Virtual
Log in information will be provided prior to the meeting
Cost: $10

RSVP: https://sjashrae.org
Gregg Achtenhagen
Cleaver Brooks

Gregg Achtenhagen is Senior Manager for Cleaver-Brooks Packaged Boiler Division. In his current role, he works with engineers and contractors on applications for hydronic and steam boiler plants. Previously, Gregg designed central plants for large universities and health care institutions as a principal at Ring & DuChateau, an MEP consulting engineering firm in Milwaukee. He has also taught HVAC design at the Milwaukee School of Engineering and is a Past President of the Wisconsin Chapter of ASHRAE. Gregg graduated from Marquette University with a B.S. in Mechanical Engineering. He is a registered P.E. in 14 states and is a LEED AP and Certified GeoExchange Designer.

John Lemke
Cleaver Brooks

John Lemke is a Product Specialist for Cleaver-Brooks Packaged Boiler Division. He has over four years of experience in the boiler industry; focusing on boiler controls, packaged feedwater systems and electric/electrode boilers. John graduated from Milwaukee School of Engineering (MSOE) with a B.S. in Mechanical Engineering and is training for his professional engineering license.

Gregg and John recently presented on decarbonization and electric boilers at the 2022 AHR Expo.

Presentation Summary
The desire to reduce greenhouse emissions is rapidly increasing among businesses. Decarbonization plays an important role in this effort. In this educational session, attendees will learn ways to reduce greenhouse gas emissions to zero, the benefits and challenges of carbon capture, the availability of renewable fuels, and how electric/electrode boilers play a role in decarbonization.
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:

- Miss Nora Kabbani
- Anthony Victor Perrucci
- Alec Faiola

“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
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
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:

Announcements

Public Comment Opportunities:

- No new opportunities this month!
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.
FREE PIZZA!

SJSU HVAC CAREER FAIR
Bring your Resume!
ENGINEERING BUILDING, RM 285/287
Wednesday, May 4th @ 3pm to 7pm.
2022 HVAC CAREER FAIR
May 4th 3PM-7PM
Come meet prospective employees!
SJSU ENGINEERING BUILDING Room 285/287
To sign up please call Sargon Ishaya @ (408) 813-2970 Or Jacob Penzo @ (831) 801-0980
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 or the link from Society’s home page
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

Or

Sargon Ishaya  
Pragmatic Professional Engineers, Inc.  
Phone: 408-982-6246  
Email: Sargon@PragmaticPE.com

Please visit our chapter at www.sanjoseashrae.org or the link from Society’s home page
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: ___________

<table>
<thead>
<tr>
<th>EDUCATION</th>
<th>Name &amp; Location of School</th>
<th>Years Attended</th>
<th>Date Graduated</th>
<th>Subjects Studied</th>
</tr>
</thead>
<tbody>
<tr>
<td>High School</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>College/University</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please visit our chapter at www.sanjoseashrae.org or the link from Society’s home page
<table>
<thead>
<tr>
<th>Subjects of Special Study or Research work:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Activities (Exclude organizations that the name or character of which indicates race, creed or national origin of its members):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

Date: ____________________________  Signature: ____________________________

San Jose ASHRAE Chapter Use Only:

- Application
- Essay
- Resume
- Transcript

Please visit our chapter at www.sanjoseashrae.org or the link from Society’s home page
EXPERIENCED MECHANICAL ENGINEER - Taylor Engineers

Taylor Engineers is looking for self-motivated HVAC design engineers to join our team. We specialize in HVAC, plumbing, fire protection and control system design; energy and indoor air quality analysis; and system commissioning.

**Job Description**

Design HVAC systems and controls for commercial buildings, performing load calculations, energy analysis, equipment selection, and layout. Analyze system operational data and make recommendations for improving system performance. Provide technical leadership.

Remote work is an option for experienced candidates.

**Job Requirements**

Minimum of two years' experience with a bachelor's degree in Mechanical Engineering. Professional Engineer desired. Prospective candidates must have a thorough understanding of thermodynamics and fluid flow fundamentals. Design/build or field experience, writing specifications and fee estimating are desirable. Candidates must have excellent communication skills and a working knowledge of Microsoft Office and Revit.

Resume and salary requirements to Glenn Friedman at gfriedman@taylorengineers.com.
Now Hiring!

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!