



BAY BREEZE BULLETIN



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President's Message

May is always a busy and energizing time for our chapter. With our Annual Bocce Ball Tournament just behind us, I want to extend a sincere appreciation to everyone who participated, helped organize, and supported the event. It takes a true team effort to bring a gathering like this together, and I'm grateful to the many chapter members, companies, and for the location who gave their time and energy to make it a success!

Looking ahead, I hope you will join us for our **final technical meeting on May 13**, where we'll explore "The Data Center Debate: Hot Topics on Cool Designs." It promises to be a timely and engaging discussion on a subject that continues to shape our industry and our world. I'm looking forward to our last ASHREA technical gathering as an opportunity for members to connect, learn, and share ideas.

You may see, or hear, the words "Thank you" a lot from me over the course of this year...and it's not a phrase that can hold enough value to what you all mean to me, this chapter, and the organization. This year has come with so unbelievable challenges for all of us, and we remain together as a team with a common goal, making the world better today as it was yesterday. See you all soon!

Regards,

Jacob Saxinger

2025-2026 San Jose ASHRAE Chapter President

[Check Out Our Other Newsletter Issues Here](#)

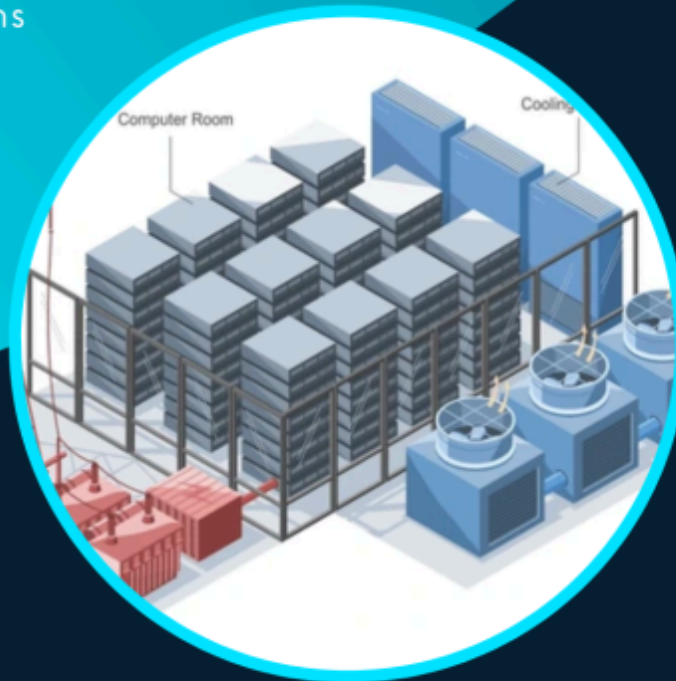
www.sjashrae.org



MAY TECHNICAL MEETING

The Data Center Debate:
Hot Topics on Cool Designs

Presented By
Mehrdad Alipour



RSVP ONLINE

[HTTPS://SJASHRAE.ORG/
MEETINGINFO.PHP](https://sjashrae.org/meetinginfo.php)

Date:	Wednesday - May 13, 2026
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

PRESENTATION SUMMARY

How should data centers be cooled? Air or liquid? High-temperature or low-temperature systems? Single-phase or phase-change technologies? System level: airside or waterside economization? Initial cost or long-term energy savings? Join us for this presentation as we explore the fundamentals of data center design before diving into modern cooling strategies, emerging technologies, and real-world challenges. We'll review two projects that highlight the key technical design decisions that engineers face today and show how it directly impact performance and energy efficiency in data centers.



MAY TECHNICAL MEETING

SPEAKER

Mehrdad Alipour P.E.

**The Data Center Debate:
Hot Topics on Cool Designs**



SPEAKER BIOGRAPHY

Mehrdad Alipour, P.E. is a Director of Engineering and licensed Professional Mechanical Engineer specializing in mission-critical and data center infrastructure. He has over two decades of designing high-performance HVAC and energy systems for large scale facilities, with a strong focus on energy efficiency, reliability, and lifecycle optimization.

Mehrdad is an active ASHRAE member and contributor, with multiple publications in the ASHRAE Journal, including award-winning work on data center economization and energy optimization. He holds a Master's degree in Mechanical Engineering from San Jose State University and is a Data Center Energy Practitioner (DCEP), LEED Accredited Professional, and Certified Energy Manager (CEM).

His works focuses on practical and innovative engineering solutions to deliver reliable and energy efficient systems.



2026 ASHRAE Annual Conference

JUNE 27 - JULY 1, 2026 | AUSTIN, TEXAS

REGISTRATION NOW OPEN

EXPAND YOUR IMPACT IN HVAC&R

Attending an ASHRAE conference is your opportunity to connect with the brightest minds in HVAC&R and building science while gaining insights you can immediately apply to your work. Attendees include engineers, architects, designers, researchers, manufacturers, contractors, and emerging professionals from around the world. Register today to deepen your expertise, grow your career, and expand your professional network.

Register by April 27 for the best rates!

Registration and more information at:

www.ashrae.org/conferences/2026-annual-conference-austin



ASHRAE CONNECT ANNUAL CONFERENCE

Applications due June 5th
Click [HERE](#) for more information

Are you a first-time attendee at the ASHRAE Conference, or have you attended before but felt overwhelmed by the many options? This shadowing program offers the perfect opportunity to gain first-hand experience by following a member of ASHRAE through committee meetings and conference events.



Communications

What is the Communications Committee?

The Communications Committee is like the marketing team for the ASHRAE chapter. We market membership, events, and ASHRAE participation. Additionally, we keep our members updated on the latest information and oversee the chapter website and social media.

If you're interested in volunteering for the Communications Committee, reach out to our Chair!



Cat Wood
Communications Chair
Webmaster
2025 - 2026
catherinecwood118@gmail.com

www.sjashrae.org

Proposed New Membership Model

ASHRAE's Membership Models Presidential Ad Hoc was tasked by Presidential Members Ginger Scoggins and Dennis Knight with reviewing the current membership model to make it fairer, more equitable, and more valuable. The group developed a new model intended to simplify membership and expand ASHRAE's reach globally and across the industry, and the Board of Directors approved the proposal on May 28, 2025. Because the change requires updates to the Society Bylaws, members will vote on the amendments in the Spring 2026 ballot, and if approved, the new model will take effect on July 1, 2027.

Read more about the proposed changes and how it will impact your membership benefits and dues on our [Blog Page!](#)

Follow Us for the Latest



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SANJOSEASHRAE

Cat Wood

2025-2026 San Jose Chapter Communications Chair
& Webmaster



Chapter Technology Transfer Committee

What is the Chapter Technology Transfer Committee?

The Chapter Technology Transfer Committee (CTTC) focuses on the efficient transfer of technical and research advancements throughout the HVAC&R industry.

If you're interested becoming a member of the CTTC, reach out to our CTTC Chair!



Sarah Rock
CTTC Chair
2025 - 2026
srock@svminc.com

www.sjashrae.org

New Topical Conference Announced



2027 ASHRAE Data Center and AI Integration Conference

March 3-5, 2027 | Dallas, Texas

This conference will serve as a global platform for professionals in the data center and IT infrastructure sectors to exchange knowledge and strategies on designing, operating and optimizing facilities for the era of artificial intelligence. With AI workloads driving unprecedented demands for power density, cooling efficiency, and sustainability, this event will focus on bridging the gap between advanced computing requirements and resilient, energy-efficient data center design.

Conference Tracks Include:

- Track 1: Roadmap + Research + Emerging Technology
- Track 2: Codes + Standards + Guidelines
- Track 3: Resources + Sustainability + Impact
- Track 4: Applied Execution + Best Practices + Case Studies

More details including a call for presentations will be coming soon.

Sarah Rock

2025-2026 CTTC Chair



Government Affairs

What is the 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!

ASHRAE Government Affairs

Stay informed on the latest news. Subscribe to ASHRAE's bi-weekly Government Affairs Update!

[SUBSCRIBE HERE](#)

or visit

<https://www.ashrae.org/about/government-affairs/government-affairs-updates>

www.sjashrae.org

ASHRAE Announcements

U.S. EIA Releases Annual Energy Outlook 2026 Report

On April 8, the U.S. Energy Information Administration (EIA) released "Annual Energy Outlook 2026," an annual report on energy consumption and supply trends and projections in the U.S. The report found data center load is emerging as the dominant driver of long-term U.S. electricity growth and projected electricity demand will increase 50 to 90% over the next 25 years. For more information and findings from the report, click [here](#).

President Trump Releases Fiscal Year 2027 Budget Request

On April 3, the Trump administration released its Fiscal Year (FY) 2027 budget request, which proposes \$2.2 trillion in spending. The budget request, an annual document that outlines the administration's spending priorities to Congress, would reduce nondefense discretionary funding by \$73 billion to \$660 billion from enacted FY26 levels and increase defense discretionary spending by \$251 billion to \$1.15 trillion. The budget proposes several changes for agencies that work on energy efficiency, indoor air quality, and resiliency. Highlights, relative to FY26 enacted levels, include:

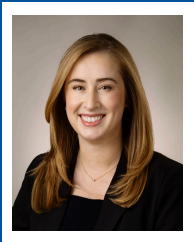
- \$53.9 billion for the Department of Energy (DOE), a 1.8% increase
- \$4.2 billion for the Environmental Protection Agency (EPA), a \$4.6 billion decrease
- \$38.5 billion for FEMA, a \$5.5 billion increase
- \$853 million for the National Institute of Standards and Technology (NIST), a \$993 million cut from FY26 enacted level
- No mention of ENERGY STAR transition or funding

The President's budget request officially starts the appropriation process, and now the House of Representatives and Senate must draft and pass their 12 appropriations bills for the President to sign into law. The budget request can be found [here](#).

Government Affairs | www.ashrae.org/about/government-affairs



Government Affairs



Elise Kiland
GAC Chair
2025 - 2026
ekiland.ashrae@gmail.com

ASHRAE Government Affairs

Stay informed on the latest news. Subscribe to ASHRAE's bi-weekly Government Affairs Update!

[SUBSCRIBE HERE](#)

or visit

<https://www.ashrae.org/about/government-affairs/government-affairs-updates>

ASHRAE Sends Letter Supporting Funding for ENERGY STAR

On April 15, ASHRAE joined 29 organizations in sending a letter to leaders of the House and Senate Appropriations and Energy and Interior Subcommittees supporting continued funding for the ENERGY STAR program in fiscal year 2027. In the letter, ASHRAE urges legislators to provide \$36 million for the program. The letter also defers to Congress on whether to fund the program through the U.S. Department of Energy (DOE) or Environmental Protection Agency (EPA). On March 3, EPA and DOE released a Memorandum of Agreement that moves primary oversight of ENERGY STAR to DOE. The letter can be found [here](#).

Local Announcements

ASHRAE Supports Continuation of California School HVAC Improvement Program

On April 13, ASHRAE President Bill McQuade sent a [letter](#) to the California Senate and Assembly Budget Committees supporting a proposed amendment to the budget trailer bill, RN 26-09129, that would extend the CalSHAPE program. CalSHAPE, established in 2020 after the COVID-19 pandemic began, funds K-12 school HVAC and plumbing system improvements and upgrades. Despite approximately \$194 million in remaining funds, it is set to expire on January 1, 2027. If this amendment is included in the budget and passes the legislature, those funds will continue to be available for school upgrades.



YOUNG ENGINEERS IN ASHRAE

What is the Young Engineers in ASHRAE Committee?

The Young Engineers in ASHRAE (YEA) committee focuses on engaging members 35 and younger through networking, technical tours, and social events. It promotes leadership development and career growth by connecting young engineers with training programs, mentorship, and society-level initiatives.

If you're interested in volunteering for the YEA Committee, reach out to our Chair!



Janan Mirza
YEA Chair
2025 - 2026
Janan.Mirza@therma.com

Why was the ductwork so popular?

It was well connected.

www.sjashrae.org

ASHRAE Connect

Are you a first-time attendee at the ASHRAE Conference, or have you attended before but felt overwhelmed by the many options? This shadowing program offers the perfect opportunity to gain first-hand experience by following a member of ASHRAE through committee meetings and conference events.

Shadowing opportunities are available at the Winter and Annual Conferences. You can shadow:

- A member of the Young Engineers in ASHRAE (YEA) committee
- A member of Technical Activities Committee (TAC)

See page 4 if you are interested in applying for the Annual Conference.

YEA Scholarship Opportunities

2026-27 Scholarship Opportunities will be available by May/June 2026. Information will be made available as it is posted.

And More

Check out all YEA opportunities through [ASHRAE](#).

ASHRAE Announces Call for Abstracts for 2027 Winter Conference in Chicago

Abstracts due May 27, 2026

Abstract submissions are now being accepted for the 2027 ASHRAE Winter Conference to be held in Chicago, Illinois, January 23 – 27, 2027. Abstracts (400 words or less) are due May 27, 2026. If accepted, final conference papers (8-page maximum) are due September 2, 2026. Accepted papers will be considered for publication in *Science and Technology for the Built Environment*, ASHRAE's research journal.

"Our technical program explores the full breadth of innovation across the HVAC&R industry, including thermal network modeling, energy storage and AI-supported building operations," said Technical Conference Chair Li Song. "Additionally, the conference highlights the growing importance of residential HVAC research through real world performance studies, advanced heat pump technologies, smart controls, and strategies that enhance comfort, resilience and energy efficiency across diverse housing types. We anticipate a lively event in Chicago where new ideas and forward-looking research help shape the future of our built environment."

Conference papers are requested for the following tracks:

- **"Residential HVAC Research and Demonstration"** track explores technologies and strategies that improve energy efficiency and climate resilience while still prioritizing occupant comfort, indoor environmental quality and cost for diverse residential housing types.
- **"Thermal Network Systems and Energy Storage"** track focuses on the applications such as networked building energy modeling, district heating and cooling, and advanced control architecture that optimizes energy systems across varying operating conditions.
- **"Nexus of Real and Artificial Intelligence"** track explores the relationship between human insight and AI-enabled controls to elevate building operations, with a focus on data center environments, building and campus design strategies, and power-delivery systems.
- **"Decarbonization Retrofits"** track focuses on reducing emissions from existing buildings through improvements to control modifications, commissioning, system or equipment replacements, and others.
- **"Research Summit"** track features active research, and the exchange of research findings, critical to the development of the HVAC&R industry and built environment. The track includes a partnership with ASHRAE's archival journal, *Science and Technology for the Built Environment*.
- **"Refrigerants and Refrigeration"** track explores refrigeration systems, which generate and use cold for a range of processes, from food preparation and conservation to vaccine preservation, to long-term protection of fragile ancient inks of historical documents and others.
- **"Fundamentals and Applications"** track will provide opportunities for papers of varying levels across a large topic base. Concepts, design elements and shared experiences for theoretical and applied concepts of HVAC&R design are included.
- **"HVAC&R Systems and Equipment"** track will focus on the development of new systems and equipment, improvements to existing systems and equipment and the proper application and operation of systems and equipment.

For more information on the call for abstracts and the 2026 ASHRAE Winter Conference, visit ashrae.org/2027Winter.



ASHRAE Certification

Advance Your Career Today!

Over 1,000 Test
Centers Worldwide
Safe, secure and
convenient

Exciting news!

Apply May 1-31 with the discount code CERT2026 to receive a 25% discount on applications for any of ASHRAE's seven (7) building design or building performance certifications. Learn more about these certifications on the following pages.

Here's how the discount works:

- Apply anytime **May 1-31** using the Discount Code: CERT2026
- Take your certification exam at any of ASHRAE's new 1,000+ test center locations worldwide

With already more than 4,000 certifications earned to-date, ASHRAE programs were founded to meet the industry needs of today and provide value to thousands of built-environment professionals, employers and building owners.

[ashrae.org/certification](https://www.ashrae.org/certification)

NEW! Certified Decarbonization Professional (CDP)



- The CDP certification validates competency to assess, analyze, and develop effective and sustainable strategies that reduce/eliminate the life-cycle carbon footprint of new and existing buildings.

Certified HVAC Designer (CHD)



- The CHD certification validates competency of an HVAC Designer, working under the responsible charge of an engineer, to design HVAC systems to meet building/project requirements, including load calculations, equipment selection and sizing, mechanical equipment room design, duct and piping design and layout for the development of HVAC plans for permit and construction.
- In an Industry Need survey, ASHRAE member respondents who influence the hiring decision agree the CHD is a tool to identify competent new hire prospects.

High-Performance Building Design Professional (HBDP)



- The HBDP certification validates competency to design and integrate sustainable HVAC&R systems into high performing buildings.
- Today's building design market requires use of ground-breaking technologies in new and existing structures to meet the need of building owners.

Healthcare Facility Design Professional (HFDP)



- The HFDP certification validates competency to incorporate standards, guidelines as well as unique healthcare facility requirements and design principles in HVAC system design.
- Advances in technology, shifting environmental requirements and an increasingly older population have created a critical need for expansion and renovation of healthcare facilities.

Building Commissioning Professional (BCxP)



- The BCxP certification validates competency to lead, plan, coordinate and manage a commissioning team to implement commissioning processes in new and existing buildings.
- Recognized by the U.S. Department of Energy (DOE) as meeting the Better Buildings Workforce Guidelines (BBWG).

Building Energy Assessment Professional (BEAP)



- The BEAP certification validates competency to assess commercial building systems and site conditions, analyze and evaluate equipment and energy usage, and recommend strategies to optimize building resource utilization.
- The BEAP certification is integral to ASHRAE's Building Energy Quotient (BuildingEQ) program by helping to ensure that only qualified practitioners can submit In Operation Workbooks to receive building ratings from ASHRAE.

Building Energy Modeling Professional (BEMP)



- The BEMP certification validates competency to evaluate, select, implement, calibrate and interpret the results of energy modeling software when applied to new and existing building and systems energy performance.
- The BEMP certification complements ASHRAE's Building Energy Quotient (BuildingEQ) program by helping to ensure that only qualified practitioners can submit As Designed Workbooks to receive building ratings from ASHRAE.

"Because of the high level of expertise, professionalism and ethics demonstrated by ASHRAE, achieving certification under their established requirements implies one of the highest levels of competence and knowledge available in the industry."

Jeffrey G Ross-Bain, BCxP, BEMP, Ross-Bain Green Building, LLC

The Benefits of an ASHRAE Certification

Value for Certification Earners

- ✓ Validation of specialized knowledge, skills and ability
- ✓ Unparalleled recognition
- ✓ Career development

Value for Employers

- ✓ Identify and recruit qualified professionals
- ✓ Elevated credibility among customers
- ✓ Greater employee job satisfaction

Easy Steps to ASHRAE Certification

1. Read the *Candidate Guidebook*

Visit ashrae.org/certification and download the guidebook for the program in which you are interested.

2. Complete the Application

Application discounts for ASHRAE Members.

3. Schedule an Examination

Schedule your exam at one of over 1,000 test centers worldwide.

4. Renew the Certification

Each certification is renewable every three years.

Certification@ashrae.org | 1-678-539-1105

Digital Badging

Helps you get the recognition you've earned.

