ASHRAE San Jose Chapter

THE GUIDE POST

December 2017

IN THIS ISSUE

President's Message

by Lauren Wilson, 2017-2018 Chapter President

Dear San Jose ASHRAE Members and Friends,

Happy Holidays! I hope everyone took some time off from our hectic lives to spend it with family and friends. I spent my holiday visiting my fiancés family in Chico and Klammath Falls and got to play golf for the first time in months.

San Jose ASHRAE hosted student night November 7th. We had over 30 students attend from Cal Poly SLO, San Jose State University, and Stanford University. We had 5 speakers who have had successful careers in our industry talk about how they got started with their career and what they do on a regular basis. Thank you to Ryan Wall, Lorenzo Rios, Ken Mozak, Jack Walker, and Mark Chellino for speaking at this event. We also went to the San Jose Sharks game with the students on November 8th. The sharks didn't win but we still had fun!

This December we will be having our 2nd annual Ugly Sweater Holiday Party on December 7th 2017 at the Firehouse Grill and Brewery in Sunnyvale. Early registration is open now so get your tickets before the price goes up. If you have any questions contact Cherie Nixon at cnixon@therma.com. Our technical meeting on December 13th will be at the San Mateo Marriott with the Golden Gate Chapter. We are lucky to have the society President Bjarne Olesen speak at this event. Go to our website sjashrae.org for more information. I look forward to seeing everyone there.

Cheers,

Lauren Wilson, Chapter President

December Joint Meeting

Marriott

San Jose and Golden Gate join forces at the San Mateo Marriott 12/11! Join us as the President of ASHRAE Society, Bjarne Oleson will be presenting!

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ASHRAE San Jose Chapter 50

DECEMBER JOINT MEETING WITH GOLDEN GATE CHAPTER

FEATURING SOCIETY PRESIDENT

BJARNE OLESEN, PH.D.

We welcome you to join us for our joint meeting with the Golden Gate Chapter at the San Mateo Marriott for an evening of sharing knowledge, fun and networking.

Date: December 13, 2017

Location: San Mateo Marriott
1770 S Amphlett Blvd, San Mateo, CA 94402

Time:

Check-in and Social:	5:30PM
Dinner, Announcements, Introductions	6:30PM
Main Program	8:00PM

Cost:

Early bird Registration fee:	$ 65/- (by Midnight December 6th)
Late Reg./Walk-ins/Non-Members:	$ 75/-

RSVP: https://sjashrae.org

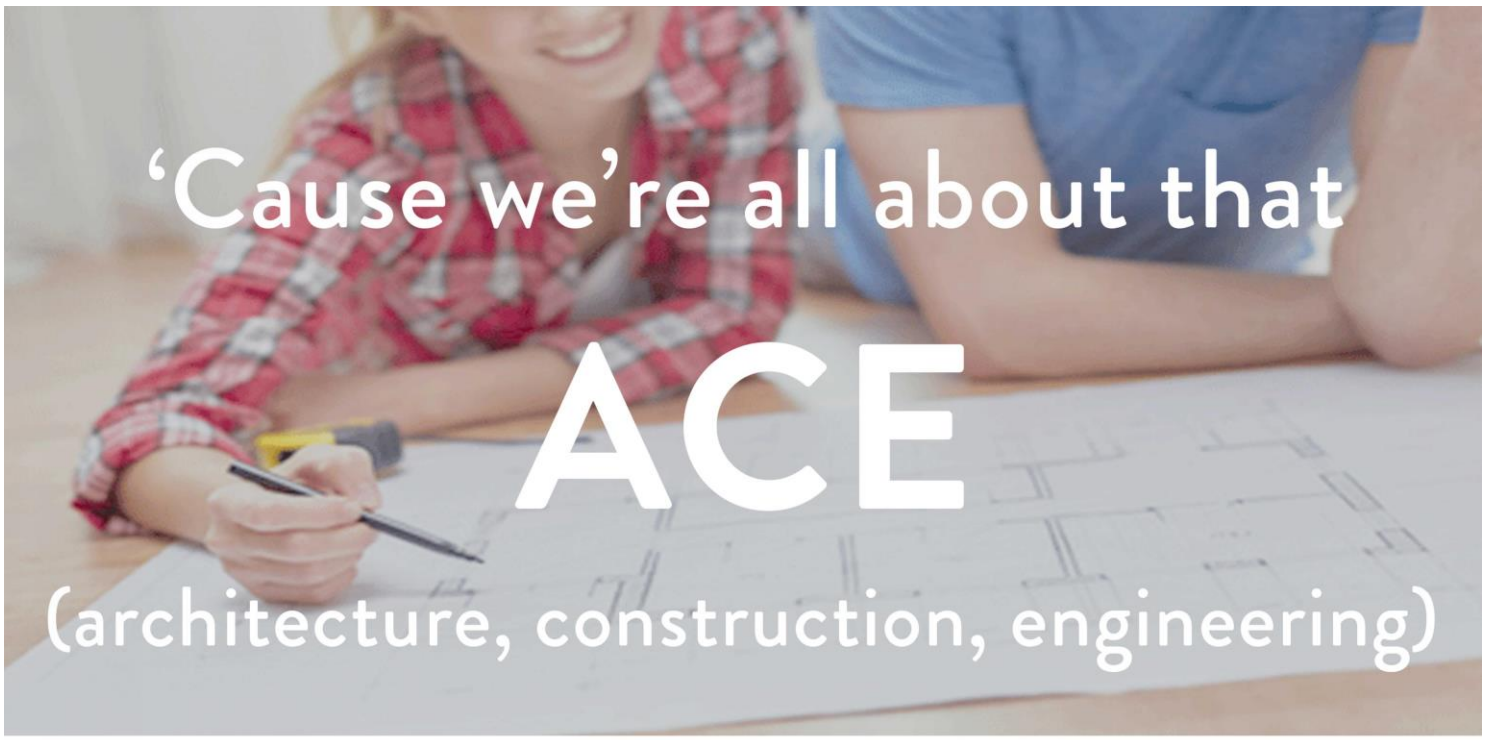
Clay Shoot 2017 was a success! Thanks to all our sponsors!

MARINA MECHANICAL

ADVANCE DESIGN CONSULTANTS, INC.

1906 Our Second Century
NORMAN S. WRIGHT MECHANICAL EQUIPMENT

We had so much fun at the Students Sharks Game! Thanks to everyone for coming!



Mentors needed Jan–May 2018!

What do ACE mentors do?

- Team up with other South Bay professionals to inspire students in your field.
- Facilitate a 2-hour weekly session at a local high school (**three sites** to choose from). Typical sessions involve guest speakers, activities, and time for student teams to work on a final project design.

Perks for you:

- Networking opportunities
- FREE 3-year license to all Autodesk software
- Warm fuzzy feelings knowing you are giving back to students in your community!

SJ1: Monta Vista High School

Room F-101
Tuesdays at 4–6 p.m.
Beginning January 16, 2018

SJ2: Independence High School

Room M-38
Wednesdays at 4–6 p.m.
Beginning January 17, 2018

SJ3: Yerba Buena High School

Room 903
Mondays at 4–6 p.m.
Beginning January 15, 2018

ACE MENTOR PROGRAM
ARCHITECTURE · CONSTRUCTION · ENGINEERING

The ACE (architecture, construction, engineering) Mentor Program is a national nonprofit organization, reaching over 8,000 students annually. Learn more and register today at **acementor.org.**

Questions? Contact Hugh King at Hugh.King@salasobrien.com.

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

GOVERNMENT GRASSROOTS ADVOCACY COMMITTEE

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

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STATE CODE ANNOUNCEMENT

Effective	2017-12
Bulletin	17-04
Announcement	CA Building Standard Commission Amendment - Flexible Duct
	The BSC has released an amendment allowing the use of factory-made flexible air duct as an elbow under specific conditions.
Purpose	"This information bulletin is provided for informational purposes only to advise of the Tentative Interim Amendment (TIA) UMC-005-15 issued by the International Association of Plumbing and Mechanical Officials (IAPMO) Standards Council. The TIA serves to update the 2015 Uniform Mechanical Code (UMC), Chapter 6 – Duct Systems, relevant to Factory-Made Air Ducts and Connectors by amending model code language in Section 603.4.1. This amendment to Section 603.4.1 permits a factory-made flexible air duct to be used as an elbow under specific conditions."
	Link to full article: http://www.bsc.ca.gov/pubs/bullet.aspx

ASHRAE Certifications

The Benefits of an ASHRAE Certification

SHINE IN A RISING FIELD

Certification validates critical job knowledge, skills and abilities in a given practice area.

GAIN A COMPETITIVE EDGE

ASHRAE certifications are recognized by over 30 national, state and municipal entities.

DISTINGUISH YOURSELF

Use the ASHRAE Certified logo and designation—e.g. Curtis Smith, BEAP, BEMP—in email signatures, professional networking and business cards to enhance your reputation.

LET ASHRAE PROMOTE YOUR ACHIEVEMENT

Certificants and their employers are listed on the website and in ASHRAE *Insights*.

ASHRAE® Certified

5 Easy Steps to Earn and Maintain an ASHRAE Certification

1. **Read the *Candidate Guidebook***
   Visit www.ashrae.org/certification and download the guidebook for the program in which you are interested.
2. **Complete the Application**
   Complete the online application at www.ashrae.org/certification. Membership in ASHRAE is not a requirement for certification.
3. **Schedule an Examination**
   BCxP, BEAP, BEMP, HBDP, HFDP and OPMP examinations are offered at over 300 conveniently located computer-based testing centers worldwide. Candidates may schedule an examination appointment online or by telephone.
4. **Review Available Resources**
   The *Candidate Guidebook* for a program identifies available resources, including practice exams, that may help candidates gain an understanding of the body of knowledge that the examination tests. Purchase of books or course registrations is not a prerequisite to taking any ASHRAE certification examination.
5. **Renew the Certification**
   Each certification is renewable every three years. To retain certification, each certification holder must earn 45* Professional Development Hours (PDHs) during the three year period following initial certification or the last renewal.
   *BCxP requires 50 PDHs.

Schedule an exam at one of over **300 testing centers** worldwide **TODAY!**

To learn more or apply, please go to
www.ashrae.org/certification

ASHRAE Certification

More than 2,500 professionals certified in six key built-environment fields.

Are You Ready to Join Them?

Validation. Pride. Recognition.

"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, BEMP, Ross-Bain Green Building, LLC

ASHRAE Certified

ASHRAE, the standard setter for sustainable building performance and system design and operation, validates through certification the critical knowledge, skills and abilities of professionals in six key, built-environment fields.

Recognized by over 30 national, state and local government bodies – and with over 2,500 certifications earned – ASHRAE certifications increasingly have become the must-have credential for built-environment professionals.

Building Energy Assessment Professional (BEAP) (ANSI)

The growing emphasis on energy consumption reduction and cost savings has highlighted the need for credible specialists who assess energy use in buildings. The BEAP certification validates competency to *audit, assess and analyze residential, commercial and industrial building energy use and develop and implement recommendations.*

The BEAP certification is integral to ASHRAE's Building Energy Quotient (BuildingEQ) program, as is its BEMP certification. Together, the programs provide a valuable toolkit when it comes to the evaluation and reduction of building energy use. Two separate Workbooks, As Designed and In Operation, are part of the BuildingEQ program. Submitting both of these Workbooks can earn an As Designed and In Operation building rating. Only those certified as BEAPs, or Professional Engineers licensed in the jurisdiction where a BuildingEQ project is located, may submit the In Operation Workbook. Additionally, only BEAPs (and BEMPs whose certification relates to the As Designed Workbook) may display the BuildingEQ Certified Provider logo with descriptions of their services.

Building Energy Modeling Professional (BEMP) (ANSI)

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. Only those certified as BEMPs, and Professional Engineers licensed in the jurisdiction where a BuildingEQ project is located, may submit the As Designed Workbooks to ASHRAE. Like BEAPs who may submit In Operation BuildingEQ Workbooks, BEMPs may display the BuildingEQ Certified Provider logo with descriptions of their services.

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.*

Many building owners look for ways to lower energy bills, reduce change orders during construction, avoid premature equipment replacement costs, and create safer and healthier buildings. Building commissioning measures and tunes up performance of existing buildings and ensures that new buildings begin their lifecycle at optimal productivity.

High-Performance Building Design Professional (HBDP) (ANSI)

The HBDP certification, an ANSI accredited certification program, 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 and regulatory codes as well as unique healthcare facility requirements and design principles in HVAC system design.*

Growing numbers of aging medical facilities, advances in technology, shifting environmental requirements and an increasingly older population have created a critical need for expansion and renovation of healthcare facilities.

Operations & Performance Management Professional (OPMP)

The OPMP certification validates competency to *manage facility operations and maintenance to achieve building performance goals, including those related to indoor environmental quality, health and safety.*

Today's complex buildings can fade from green to gray when building operators don't realize the full potential of the systems they manage. Staying current with the latest facility operation strategies and technologies can reduce energy use in buildings by 10% to 40%.

Value of Earning Your ASHRAE Certification

In a recent "Value of Certification" survey, this is what ASHRAE-certified professionals had to say:

- *ASHRAE Certification validates my level of specialized knowledge and ability (89%).*
- *ASHRAE Certification helps differentiate me from my peers (82%).*
- *In my field, ASHRAE Certification has provided me with greater professional recognition (73%).*

Treasurer's Report November 2017	Expenses	Income	Balance
	$ 17,332.04	$ 13,093.50	$ 4,238.54
Sporting Clays	**$ 12,725.21**	**$ 10,182.11**	$ (2,543.10)
Coyotee Valley Fee	$ 10,729.21	$ -	
Catering	$ 1,644.00	$ -	
Insurance	$ 352.00	$ -	
Ticket Sales	$ -	$ 5,769.71	
Sponsorships	$ -	$ 4,412.40	
November Student Night	**$ 2,910.83**	**$ 1,351.73**	$ (1,559.10)
Biltmore Hotel	$ 2,910.83	$ -	
Ticket Sales	$ -	$ 1,351.73	
** $120 unpaid registration fees			
Student Sharks Game	**$ 1,686.00**	**$ 1,559.66**	$ (126.34)
Sharks Tickets	$ 1,686.00	$ -	
Ticket Sales	$ -	$ 1,559.66	
** $30 unpaid registration fees			
Taxes	**$ 10.00**	**$ -**	$ (10.00)
CA State	$ 10.00	$ -	

SJ ASHRAE – Meeting Minutes

San Jose ASHRAE Meeting Minutes

Meeting Number #4

Meeting Date:	11/7/17
Meeting Time:	4:30 PM
Meeting Location:	Biltmore Hotel
Next Meeting Date:	12/6/17
Next Meeting Time:	4:00 PM
Next Meeting Location:	Conference Call

Distribution:

Name	*Present Y/N*
Lauren Wilson	*Y*
Jai Jayaraj	*N*
Bill Schoening	*Y*
Richard Lam	*Y*
Elise Kiland	*Y*
Cinthya Mendez	*Y*
Manuel Uribe	*Y*
Cherie Nixon	*Y*
John Wagner	*N*
Rob Potter	*Y*
Art Quintero	*N*
Sargon Ishaya	*Y*
David Hodson	*Y*
Gabriel Perez	*N*
Lorenzo Rios Jr.	*N*
Sarah Dahel	*Y*
Vanessa Lasseson	*Y*
Justin Libay	*Y*

PREVIOUS BUSINESS:

9.1	**Lauren to talk to discuss PAOE with each committee chair(s).**	**Pres**	**-**
9.5	**Task Santa Clara alumni to help get student branch started**	**LW**	**-**
9.20	**Lauren to look for other storage options as opposed to dropbox**	**LW**	**-**

SJ ASHRAE – Meeting Minutes

10.1	BOG to vote on preferred speakers from list provided by Bill	BOG	10/31/17
10.7	Richard to contact Marites about endowment fund and potential options	RL	
10.9	Richard to look at Biltmore expenses from last year to compare	RL	
10.11	Bill to ask for hotel deal with Biltmore for DL speakers	BS	
10.14	Lauren to send 2016-2017 Audit Report to audit committee	LW	

NEW BUSINESS:

11.1	5 Submissions for Chapter Opportunity Fund. #1 – Funding for a booth at the Bay Area Science Festival. #2 – Funding for 10 Trace licenses for San Jose State University students that are participating in the ASHRAE design competition #3 – Funding for Stanford University student chapter operations. Stanford just became a new chapter and they need financial help to get their chapter started #4 – Funding to send a Stanford University Student Chapter Officer and the San Jose State University Chapter President to the winter conference #5 – Funding to send our student activities chair to the winter conference with the two students above	BOG	
11.2	Bill to receive topics for Dec meeting	BS	
11.3	Elise to upload flyer for Dec meeting	EK	
11.4	Deposit for Dec meeting will be made after dues are received	BOG	
11.5	Admittance fees are set at $65 and $75 for late registration based on 80 person head count	BOG	
11.6	October meeting minutes have been approved 4-0-2	BOG	
11.7	2017-2018 treasurer's budget has been approved 5-0-1	BOG	
11.8	For events cancelations shall be accepted 3 days prior to the event without repercussions. Registration is otherwise final and can be adjusted on a case to case basis. Voted 5-0-1	BOG	
11.9	Speaker has been found for Feb meeting. Topic to be related to energy efficiency in commercial kitchen ventilation systems	CTTC	

SJ ASHRAE – Meeting Minutes

11.10	**DL has been selected for Jan Meeting. Chris Muller from Atlanta will speak on Indoor Air Quality**	**CTTC**	
11.11	**Holiday party has been set for Dec 7th**	**YEA**	
11.12	**Elise will put a new GGAC tab on the website**	**GGAC/ Webmaster**	
11.13	**RP has raised $5,400 for research**	**RP**	
11.14	**RP has surpassed 30% PAOE point goal at Nov milestone**	**RP**	
11.15	**Student scholarships are available. Everyone to notify students and encourage participation**	**BOG Committee Chairs**	