

# FOG DISPENSER



## Thursday, June 20 Dinner Meeting



### MAIN PROGRAM:

Our Golden Gate ASHRAE Chapter has had an incredibly successful year. Please come join us as we celebrate our successes as a Chapter. President Michelle Dionello will walk through an End of the Year Recap and present the Chapter Technology Award Recipients. We will end the meeting by installing the new Golden Gate Board for 2019 - 2020.

*For the first hour of the meeting, we will sponsor an*

*open bar!* Please join us for networking, conversation and an end of the year celebration to commemorate another wonderful ASHRAE year!

### SPEAKERS:

**JOHN PAPPAS, MAZZETTI - 1st Place Health Care Facilities-  
Lucile Packard Children's Hospital Stanford**

**JARED DOESCHER, INTERFACE ENGINEERING- 1st Place Educational  
Facilities- Sonoma Academy Janet Durgin Guild and Commons**

### PROGRAM SUMMARY

Come learn about the design features for the 1st place Chapter Technology Awards. This will also be an opportunity to hear the recap on all our chapter activities and provide feedback for next year!

**JUNE 20**

**5:30 PM TO 8:30 PM**

**SCOTT'S SEAFOOD**

**2 BROADWAY**

**OAKLAND, CA 94607**

<http://www.scottsjls.com/location.html>

### AGENDA:

**5:30 pm**

Registration and Social Hour

**6:30 pm**

Dinner, Announcements  
and Introductions

**7:00 pm** Introductions

**7:15 pm** End of Year Recap  
and Chapter Technology  
Award Recipients

**8:15 pm** Installation of new  
Golden Gate Board

**8:30 pm** Adjourn

### COST:

\$320.00 Chapter meeting  
voucher

### Chapter Members:

Before 5pm, June 17 \$60

After 5pm, June 17 \$70

### Non-Members:

Before 5pm, June 17 \$65

After 5pm, June 17 \$75

### Students/Voucher Holder

Free, but please register before  
January 21 to help us better  
plan for meal and venue seats.

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GOLDEN GATE ASHRAE  
FOG DISPENSER  
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JUNE 2019 COVER

## Special Recap: Product Show

### 2019 PRODUCT SHOW – GOLDEN GATE CHAPTER, ASHRAE

By John Plecnik, Product Show Chair

Thank you to all who participated in the 2019 ASHRAE Product Show. In total, we raised close to \$12,000 for ASHRAE Research.

I want to mention all of the vendors once more, who participated in the show. We couldn't have put on such a great event without all of the tremendous support.

Lastly, thank you again to all of the speakers mentioned below. We received great feedback on the topics presented on.

- **Lincoln Lorscheider, BSUBAS**
- **Brandon Gill, Taylor Engineering**
- **Reece Kiri, Taylor Engineering**
- **Dr. Paul Raferty, CBE, UC Berkeley**
- **Tyler Jones, Sindoni Consulting & Management Services**
- **Adam Nakagoshi, Gensler**

I look forward to working with everyone when we plan next year's Product Show, in hopes to raise even more money for Research Promotion! See you all at the next meeting.

John Plecnik



## EVENT CALENDAR 2019

FOR MORE INFORMATION  
AND DETAILS GO TO  
[WWW.GGASHRAE.ORG](http://WWW.GGASHRAE.ORG)

### NEXT MEETING:

► THURSDAY, JUNE 20..... DINNER

LOCATION: Scott's

SPEAKERS: Golden Gate Committee Chairs

TOPIC: Installation Dinner

## GOLDEN GATE CHAPTER MICHELLE DIONEL- JUNE 2019

Dear Golden Gate Members,

I can't believe this is my last President's message for the year. I had so much fun this year and I hope that you did too. As a matter of fact, our participation from our members from this year to last was up by 34%! Thank you for participating in your local ASHRAE community. Reflecting back, here are some new and cool things we tried this year:

- 1st September Social Committee Recruiting Event held at Thirsty Bear Brewery!
- New Product Show & Expo layout. Raised \$12K for Research Promotion! AND it was super fun!
- At our Student/MP Night in April, we also hosted a professional photographer for our members and students to update their headshots! Photos came out great!
- Had tech sessions before the main program (Sketching 101, -40C GMP Freezer Case Study, Low Charge Ammonia Systems).
- Moved Student Night and Awards Meeting from May to April meeting. Finally, didn't conflict with students' exam schedule and had 17 students come out!



*We couldn't do anything without all the tremendous effort from each of our committees, so I wanted to say thank you:*

- **John Plecnik** (Lead), **Hans Kaufmann**, and **Sanjil Karki** for making the ASHRAE Product Show & Expo a reality.
- **Scott Wayland**, Honors & Awards Chair, who identifies our members and champions these Society recognitions. Proud to see Charles Eley and Fred Baumann, two ASHRAE fellows, recognized at the Society Winter Conference this year.
- **Alicia Tan**, **Richard Paillon**, **Matt Flannery**, **Juliana Velez**, **Alicia Tan**, **Anthony Covarrubias**, and **Glenn Friedman**, Student Activities & Foundation Committee, for all the opportunities the team organized, for our members to volunteer with K-12, Student Branches. Also for managing the Foundation and distributing \$49K in scholarships!
- **Ken Mozek** for his passion and commitment to have two out of the eight technical meetings be about refrigeration. Really enjoyed your energy and what you added for our members.
- **Charlie Warren**, RP Chair, for your monthly updates to me and making sure we were on track. We surpassed our RP goal of \$26K! Thank you to you AND all of *our sponsors!*
- **Brian Chacon** for hosting the Golf Event in the fall and for also being the Membership Promotion (MP) chair. I can't believe you pulled it off and really well, while also being our Treasurer!
- **Jake Barker**, YEA Chair for hosting technical and social event to keep our younger members engaged!
- **Jim Kelsey** (Lead), and **Cael Silver**, Bike Event Committee, for setting a date for our new event and bringing something new to Golden Gate ASHRAE.
- **Adrian Giovenco** and **Billy Martin**, Redwood Empire Section President and President Elect, for organizing technical event, distributing scholarships to high school students, and your dedication to the Redwood community.

*continued on next page*

- **Erik Kolderup** and **Scott Wayland**, Audit Committee, for completing the audit on our 2017-2018 books.
- **Moana Reynau** for updating our website and content on our front page with relevant news and information on all our committees.
- **Zeid Arnaout**, CTTC Chair, for submitting two technical awards to the Regional Chapter, which we will learn more about at our June Meeting. Thank you for all your years of seeing this through!
- **Glenn Friedman, Tyler Bradshaw, Ted Tiffany, Clark Bisel, Bill Burke, Charles Eley, David Lehrer, and Liang Ma**, Seminar Committee, for organizing another wildly successful event in October, which also raises a large portion of our RP goal.
- **Tom Gilbertson** for your historical articles with humor. I really enjoyed when you spoke at our February meeting and pulled out the biggest valve schedule, we have ever seen.
- **Jeremy Martinez**, Grassroots Government Activities Chair, for keeping our members informed on when they could comment on Standards or Codes. Thank you for your relentless efforts.

At our June Meeting, **Cory Palmer**, Nominating Chair, will commence the installation ceremony and I just wanted to say thank you to Cory, for calling me six years ago to serve. I never imagined that I would be so sad that these years have flown by but I am looking forward to what is to come.

Our goal was for Golden Gate ASHRAE to provide a community, which engages you in socially, technically, and continually develops you as a contributor to the built environment and I think we nailed it! A huge shout out to the board- **Jason Lesser, Alyse Falconer, Brian Chacon, Jeremy Martinez, John Gardner, and Nikola Kravik**. Thank you for your dedication. There are also so many other people to thank- our speakers, our student branches, and all the support we receive from the Society and Regional Level.

The picture this month is from our end of year board dinner in May. Unfortunately, Jason and Nikola couldn't make it but we still managed to have a little fun and close down the restaurant. Please raise your glass, your coffee, or whatever you have near your hand while reading this. Cheers to ASHRAE Golden Gate, it has been an honor to serve as your President. Hope to see you on June 20th.

With gratitude,

**Michelle Dionello,**  
**Golden Gate ASHRAE President 2018-2019**



*Tom Gilbertson, Chapter Historian*

**June 2019!**

**June! – Then “Summertime” ...**

***“In the Good old Summertime!”*** (Evans and Shields – 1902)

**June! The month that “historically” we began to be concerned about air-conditioning!**

Leaving Winter, and then Spring behind us...we used to think in terms of hot weather starting in June....and then that cooling unit that we have...had better work! But, thinking seasonally about air-conditioning is pretty much old-fashioned...if we even think “seasonally” about anything...basically we have everything!...all of the time!

ASHRAE ...with its air-conditioning-capabilities changed the World!...our industry pulled the World from an all too frequent, miserable set of conditions...to what we have today...and a whole lot more!

Having just spent 20-days in genuine 3rd-world-conditions, I can assure you that real heating, AND cooling, AND hot-running, sanitary, domestic water...AND electrical power that stays on 24/7...AND medical facilities...all of which ASHRAE -technology makes possible...are full appreciated. Remove ASHRAE-technology from the equation...and you don't have the above items. ASHRAE, like no other grouping of technology...with its somewhat organized approach...ASHRAE-members have done more for improving the lot of humankind than any group on earth...then, or now!



***21st Century -living...without our ASHRAE Technology would be basically obtainable.***

Look at the ASHRAE Handbook Series!...See just how many areas of ASHRAE influence our quality of life!...Don't sell yourself short!...ASHRAE Technology is the most comprehensive collection of improved lifestyles enhancing technology that exists. ASHRAE enables our quality of life to flourish...and improve...like nothing else!

***Look how our industry has improved just about everything that makes life better!***

Starting with cooling...and heat transfer, and dew point...and all that stuff...(Don't forget that Willis Carrier “discovered” the concept of dew-point and condensation in that Pittsburgh Railroad Station back in 1902)...and that leads us to dehumidification...and then in terms of that not just seasonally, but year 'around,!...We feel the effect of ASHRAE. Human comfort without air-conditioning is virtually impossible...Humidification in the Winter months, equally improves our lives...then we get to refrigerating our foods, and the food storage, and food processing, and the use of refrigeration in the manufacture of drugs and medicines...then extend that to health care, and the required filtration...and then to operating room theaters...then to safe storage of our food...and our medicines. Then, there is the automotive use of refrigeration...as well as in the airlines...most every human experience is allowed, because of ASHRAE's influence. Consider the BART cars with no-cooling or no-ventilation...The restaurants with their requirement to store food...or provide cooling beverages...an to be able to sustain sanitary, central food preparation...and our supermarkets with all their refrigerated food displays. These all depend on ASHRAE!

Consider the industrial side of our industry...with biotech labs literally filled with refrigerated stations...and ventilation systems that protect our technician's health...and the manufacturing processes that demand our ASHRAE-honed skills.

What do you have that does not rely upon the ASHRAE-skills and your technical experience?

The World is somewhat like the “mouse that was given a cookie...and wanted some milk!”...When the World finally “tasted” the ASHRAE-technology and skills...it never looked back ..it just wanted more...and the industry that made the fresh milk possible!...ASHRAE!

Hey!...Golden Gate Chapter members!...over this Summer just take some time to realize how important you are to allowing the World to have the sustainable conditions that not only improve the quality of life...BUT... even make it possible!

***See you in Fall...after a Summer of reflection!***

## 2019 ASHRAE Annual Conference: Kansas City, MO, June 22 thru June 26, 2019



The 2019 ASHRAE Annual Conference will be held in Kansas City, June 22–26, 2019. The Technical Program along with Committee meetings, Registration, Bookstore, and Speakers Lounge will be held at the Kansas City Marriott and Kansas City Convention Center.

Our own Golden Gate ASHRAE Board Member & YEA RVC, Alyse Falconer, Golden Gate ASHRAE's Student Activities Chair, Juliana Valez, and Honors & Awards Chair & RMCR, Scott Wayland will all be in attendance! Keep an eye out for them representing our Chapter & Region!

### ***DON'T MISS THE FOLLOWING EVENTS IF YOU'RE HEADING THERE:***

#### • ***Young Engineers in ASHRAE (YEA) Hospitality Reception***

***Date: Sunday, June 23      Time: 4:00 – 6:00 p.m.***

Attention members age 35 and younger—

You are invited to visit the YEA Hospitality Reception, offering social and networking opportunities. Light refreshments will be available.

#### • ***Joint Regional Dinner in Kansas City!***

In anticipation of our upcoming Joint CRC in San Diego, Region IX and Region X have teamed up to host a joint dinner at the annual conference in Kansas City!

***Date: Sunday, June 23      Time: 7:30 pm***

***Location: Flying Saucer Draught Emporium (101 E. 13th St.)***

***Price: \$25/person (separate tabs)***

***Student Members...***

#### • ***Women in ASHRAE Happy Hour***

***Date: Monday, June 24      Time: 4:00 – 6:00 p.m.***

***Location: John's Big Deck, 928 Wyandotte St.***

***Cost: \$30***

Join women from around the world to share ideas and learn how to be active at the chapter, region, and/or Society level. Current ASHRAE members will share insight and experiences. Ticket purchase includes two drink tickets and light appetizers. This event requires pre-registration.

## UPCOMING EVENTS



- Goodie bags
- Snacks before and mid-ride
- SAG support
- BBQ lunch post-ride

**Please sign-up early**, so that we can plan accordingly. Pre-reg is only \$60 but day of ticket to ride will be \$75. So sign up now and secure your spot for this ASHRAE GG first – the new annual GG ASHRAE fall cycling spectacular.

If you would like to be a volunteer for this event, please register using the link as a volunteer! For sponsorship inquiries or other questions, please reach out to our Bike Chair, Jim Kelsey at [kelsey@kw-engineering.com](mailto:kelsey@kw-engineering.com).

## GGASHRAE Bike Ride

***It's the GG ASHRAE, first annual fall cycling spectacular!***

It's not a race! Just don't tell us if you're trying to beat your favorite "frenemy" design firm pro. Come out and join us energy geeks for a supported ride in the beautiful Marin headlands.

Come join us for the tour de Marin energy-geek ride, now re-booted for September 28, 2019. There will be bikes, snacks, BBQ, and a great time. Start time is at 9:00am but come out beforehand for snacks and stay after for Beer and BBQ.

There are two courses that will ride through the Marin Headlands- 50km or 100km.

Riders will get:

## STUDENT ACTIVITIES

### Golden Gate Achieves the K-12/STEM Leadership Award

***Juliana Velez, Student Activities Chair and Alicia Tan, K-12 STEM Lead***

A big thank you to all the members of the Board of Governors for helping us achieve the K12/STEM Leadership Award! To earn this award every Board member, the Student Activities Chair, and the K12/STEM Champion attended a K-12 STEM activity this year. This included the Bay Area Science Festival in November, teaching 4th grade students and middle school students about electromagnetic motors, and career workshops with high school students.

### Scholarships and grants

The Golden Gate Chapter is offering up to two travel grants to students who would like to attend the ASHRAE Annual Conference in Kansas City, MO; June 22-16. The chapter sends chapter students each year to discuss the latest topics in the building industry, participate in technical tours, attend ASHRAE Learning Institute courses, and much more. .

To see more details and obtain a grant application go to:

<https://ggashrae.org/Students>



**Brian Chacon, Membership Promotion Chair**

## Membership Advancement

If you are an Associate member (most of you), becoming a full member may be easier than you think. Step 1: You need a total of 12 points to advance to full Member status, use the calculator below to tally your points. Step 2: Update your biography on the Society web site (ashrae.org). Step 3: Send an email to membership@ashrae.org telling them you qualify and would like to advance your membership.

### 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 her: \_\_\_\_\_ (E)

Now... add (A) + (C) + (D) + (E) = \_\_\_\_\_ (F)

*is (F) at least 12? Then you qualify for full membership!*

## Thank You To Our 2018-2019 NEW Members and Those Who Renewed Their Memberships:

|                           |                         |                             |                             |
|---------------------------|-------------------------|-----------------------------|-----------------------------|
| Mr Caleb A Clough         | Greg R McManus          | Jonathan A Gonzalez         | Noah A Zallen               |
| Ryan L Mitchell           | Nick Bublavi, PE        | Matthew William Keating     | Mr Kent A. Dahlquist        |
| Mr Aren Daniel Hofland    | Jesse Avalos Garcia     | Mr Eric J Rodgers           | Mr Brandon Hartstein        |
| Mr Prashanth Mundkur      | Grant M Kleinman        | Mrs Sherie Ann Bialous      | Juvenal Martinez            |
| Mr Charles W Bennett, Jr  | Eryn E Doran            | Mr Sherveen Rasooly         | Mr Gustavo Daniel Carrillo  |
| Miss Michele Lam          | Marko Zivanovic         | Melvin Cheng                | Mr Peter Mustacich          |
| Mr Priyank Vekaria        | Ms Rose Titcomb         | Sanjil Karki                | Mr Mathew Wyatt Simmons     |
| Mr Scott Archer           | Mr Benjamin Ross Manich | Mr Michael Maarten Carlson  | Won Young Park              |
| Lincoln David Lorscheider | Ms Inna Dolottseva      | Mr Robert Prickett          | Mr Shane E Russell          |
| Mr Kurt Richard Heinze    | Mr Alan McDermott       | Sadie Rose Joy              | Ms Kimberly M Zylker        |
| Mr Tom Karbowski          | Dr William W Tsai       | Shruti Borle                | Dr Seema V Bhangar          |
| Mr Harrison J Nichols     | Adam Brier              | Mr Logan P McGowan          | Mr John E Taylor            |
| Mr Aditya Thakur          | Mark C Donahoe          | Mr Jam Jam James M Perey    | Dr Marco Pritoni            |
| Miss Manju Bhashni        | Mr Carlos Santamaria    | Xing Wu                     | Brian Fogle                 |
| Venugopal                 | Mr Sean Quinn           | Ms Lauren Byrne             | Mr ARVIND B Tandel          |
| Mr Marwan Higgy           | Matt Staublin           | Dr Yi-Shu Kung              | Mr Matthew Adam Charles     |
| Mr Anthony R Saracino     | Mr Wenhan Qiu           | Mr Jason Wade Osborne       | Dr Joe Vaughn Farsight, PhD |
| Mr Kurt M Beske           | Chitra Nambiar          | Mr Tejesh Bagul             | Mr Alexej Goehring          |
| Mr Jackie Liang           | Mr Louis Mercado        | Mr Ryan Militello-Hourigan, | Mr Glenn L Mercurio         |
| David Lynch               | Mr William B Wright     | PE                          |                             |
| Megan Rodriguez           | Danny Helms             | Mr Blake Alfonso            |                             |
| Mr Ashwin Pandit          | Christina S Shaeffer    | Ms Shira Wedemeyer          |                             |
| Mrs LANFANG LIU           | Mr Bruce Daniel Johnson | Johnny Phane                |                             |
| Amy Nagengast             | Emma Bassein            | Joey Vargas                 |                             |



*Charlie Warren, Research Promotion Chair*

## What is the Resource Promotion Campaign?

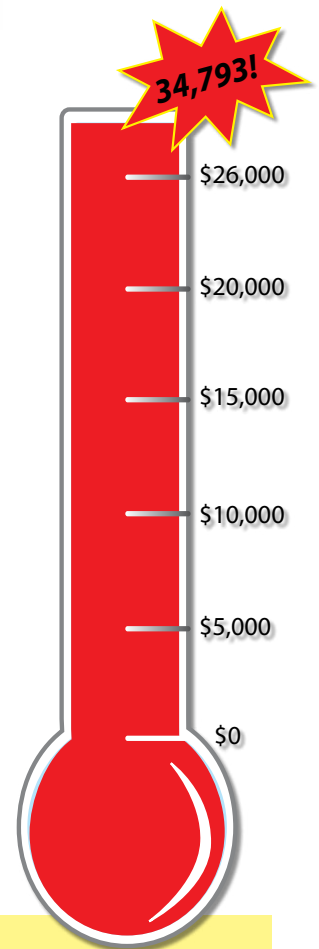
The RP Campaign is an annual fundraising campaign benefiting the funding of numerous ASHRAE Programs. These programs include:

- **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.

We have already had some generous donors. The following individuals have generously supported ASHRAE Research and Golden Gate Chapter for the 2018-19 Campaign.

*Your contributions are much appreciated. Thank you for making a difference and shaping tomorrow's built environment today.*



### DONORS IN 2018-2019:

#### ORGANIZATIONS Over \$1,000

Bay Area SMACNA  
Golden Gate ASHRAE  
Chapter

#### ORGANIZATIONS \$250 to \$999

Nazzaro and Associates  
Taylor Engineering  
Peterson Mechanical

#### ORGANIZATIONS Up to \$249

Genentech  
Conservation Mechanical

#### INDIVIDUALS Over \$1,000

Glen Friedman, PE  
Dr. Edward Arens

#### INDIVIDUALS \$250-\$999

David Nazzaro  
Jim MacDonald  
Frank M Lo, PE  
Steven Taylor, PE

#### INDIVIDUALS Up to \$249

Lori Ann Arakawa  
Kyle S Blocker  
Dr David H Blum

#### INDIVIDUALS Up to \$249

Bryan Brauer  
Brian Chacon  
Blaine Daniel Conner  
Michelle Dionello  
Steve Dobberstein  
Kevin F Dowling  
Alyse Falconer  
John Hill Gardner III  
Steve Greenberg  
Kenneth Hill  
Carl H Jordan  
Hratch A Krikorian  
Glen R Leggoe  
Shawn Masterson, Sr.  
Jeremy Martinez

#### INDIVIDUALS Up to \$249

John R Mathie  
Eugene A McCabe  
Ashley Messier  
Reginald A Monteyne  
Cory C Palmer  
Wasil Popow  
Nenad K Saric  
Shlomo I Rosenfeld  
Alicia Tan  
Dennis W Thompson  
Charlie Warren  
Scott Wayland  
Matthew Williamson  
Gerald Yaffe  
John S Yee

Donations are tax deductible, by check, credit card or online at  
[www.ashrae.org/contribute](http://www.ashrae.org/contribute)

Mail Checks to: ASHRAE RP: 1791 Tullie Circle, NE: Atlanta, GA 30329

For more information, please visit Research and Promotions section on  
[www.ggashrae.org](http://www.ggashrae.org) or contact RP Chair Charlie Warren at  
(415) 742-9350, [charlie@convexlabs.io](mailto:charlie@convexlabs.io)

**We smashed our RP  
GOAL and raised a  
grand total of:**

**\$34,793**

## **Upcoming PG&E Events & Classes**

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### **Commissioning with Data**

Building commissioning is evolving to incorporate a wealth of building performance data now available at most facilities including trend data from energy management systems, interval (smart meter) data from utility meters and weather data from local meteorological sources. Data loggers and other recording meters can also be leveraged for these projects.

***Tuesday, June 18, 2019, San Francisco – Pacific Energy Center and online***

In-person registration: <http://usi.pge.com/event-details?EventID=20908>

Simulcast registration: <http://usi.pge.com/event-details?EventID=20911>

### **A Tool Day Workshop**

This hands-on training will highlight the PG&E Pacific Energy Center Tool Lending Library's more commonly-used tools. Each module will include a technical overview and a field-based tool demonstration. Modules will include hand-tools, data logging, power and energy, liquid flow and pressure, airflow and pressure and particulate measurement.

***Thursday, June 20, 2019, San Francisco – Pacific Energy Center***

***8:30 am – 4:30 pm***

Registration: <http://usi.pge.com/event-details?EventID=20939>

### **Introduction to Automation of Buildings and Industrial Facilities using PLCs**

This training is an introduction to the basics of Programmable Logic Controllers (PLCs) and how they automate industrial processes, save energy, and enable demand response applications. Participants will develop a basic understanding of PLCs terminology, hardware components, and relay ladder logic programming.

***Monday, June 24, 2019, Webinar***

Registration: <http://usi.pge.com/event-details?EventID=20995>

### **Optimizing Residential HVAC System Performance**

This class focuses on optimizing the actual performance of central forced-air heating and cooling systems in existing single-family residential buildings. This class is primarily geared toward mechanical and home performance contractors responsible for installing and maintaining these systems. The six performance factors that can be applied to HVAC design, installation and/or commissioning will be discussed. The instructor will review how each factor can be specified at design, implemented during installation, and tested/adjusted during commissioning.

***Tuesday, June 25, 2019, San Francisco – Pacific Energy Center and online***

In-person registration: <http://usi.pge.com/event-details?EventID=20505>

Simulcast registration: <http://usi.pge.com/event-details?EventID=20863>

### **Balanced Ventilation for ZNE and High Performance Homes**

Instructor Dan Perunko from Balance Point Home Performance will explain how air tight buildings need balanced ventilation to have healthy and comfortable interior spaces, which also contributes to excellent energy performance. Learn about ventilation equipment selection, control strategies, ducting and commissioning to improve the energy efficiency, comfort and indoor air quality.

***Wednesday, June 26, 2019, online***

Registration: <http://usi.pge.com/event-details?EventID=20787>

*continued on next page*

### System Diagram Workshop

System diagrams are critical design and diagnostic tools. This class explores techniques used to develop system diagrams in the morning session. The afternoon workshop applies the concepts by having teams of attendees develop diagrams for various systems represented in Sketch-up models.

*Wednesday, June 26, 2019, San Francisco – Pacific Energy Center and online*

*8:30 am – 4:30 pm*

In-person registration: <http://usi.pge.com/event-details?EventID=20940>

Simulcast registration: <http://usi.pge.com/event-details?EventID=20941>

### Evening Lecture Series: What Commissioning Has Taught Us About Mentoring

In this evening lecture, David Sellers will share some of his mentoring experiences, mostly in the professional arena but with a few personal ones included. He hopes to convey how important the mentoring process is, both for the mentor and the mentee and for the future of the industry. Please join us for networking, beverages and hors d'oeuvres from 6:00 pm to 6:30 pm.

*Thursday, June 27, 2019, San Francisco – Pacific Energy Center and online*

In-person registration: <http://usi.pge.com/event-details?EventID=20942>

Simulcast registration: <http://usi.pge.com/event-details?EventID=20943>

### Radiant Cooling and Heating Systems for Large Commercial Buildings

This course will assist architects and HVAC Design Engineers in understanding radiant systems with a focus on cooling thermally massive slab systems. The course instructors will present the latest research results, and findings on these types of building designs. Attendees should bring a laptop computer to the course to participate in instructor-led exercises.

*Tuesday, Jul 9, 2019, San Francisco – Pacific Energy Center and online*

*9:00 am – 4:30 pm*

In-person registration: <http://usi.pge.com/event-details?EventID=20011>

Simulcast registration: <http://usi.pge.com/event-details?EventID=20880>

### Air Sealing and Insulating Existing Homes

The most important and cost-effective aspect of improving home thermal comfort and energy performance is optimizing the building enclosure. In this class, the instructor will explain best practices for air sealing and insulating attics, as well as address floors and walls of existing single family homes.

*Thursday, Jul 11, 2019 San Francisco – Pacific Energy Center and Online*

*9:00 am – 4:30 pm*

In-person registration: <http://usi.pge.com/event-details?EventID=20481>

Simulcast registration: <http://usi.pge.com/event-details?EventID=20855>

## KW ENGINEERING

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Are you passionate about saving energy in high performance buildings? Come to kW Engineering! We are a community of gifted engineers who are dedicated to making a real impact.

We are currently looking for a Commissioning Project Manager who is a technical leader in New Building Commissioning. The ideal candidate will have project management experience, strong communication skills, detail oriented and a solid understanding of engineering concepts and advanced problem-solving skills expected of a bachelor level engineering degree or above.

CCP, PE, LEED AP, and/or CLCATT Certifications a plus.

Email resumes to: [careers@kW-engineering.com](mailto:careers@kW-engineering.com)

kW Engineering

287 17th Street, Suite 300

Oakland, CA 94612

[www.kW-Engineering.com](http://www.kW-Engineering.com)

## Commissioning Engineer Level I or II – AMBIENT ENERGY, INC. – SAN FRANCISCO OFFICE

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### REQUIREMENTS:

- 3+ years of professional experience working as a Commissioning Engineer or MEP Design Engineer
- Experience with site inspections, functional testing, and energy audits
- Technical knowledge and understanding of HVAC, HVAC controls and electrical systems
- Demonstrated technical review, writing, and editing skills
- BS in Mechanical or Electrical Engineering or related discipline required
- PE, MS in Mechanical or Electrical Engineering, CxA, CCP or QCxP
- Participating in business development and proposals
- Experience working on at least 2 LEED projects

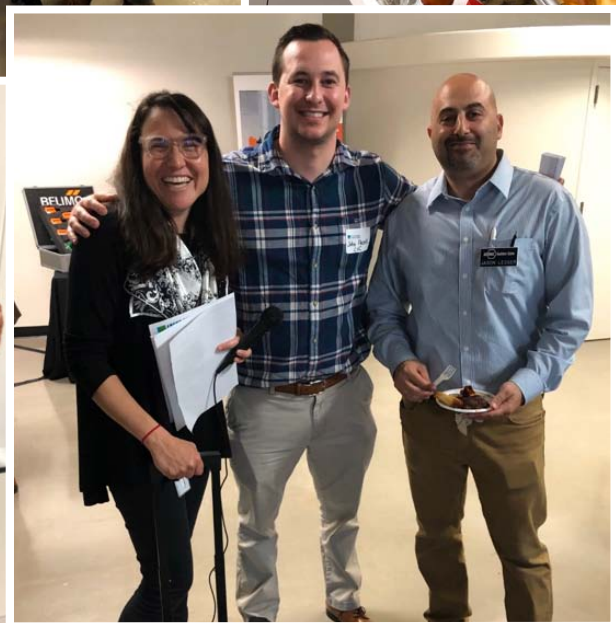
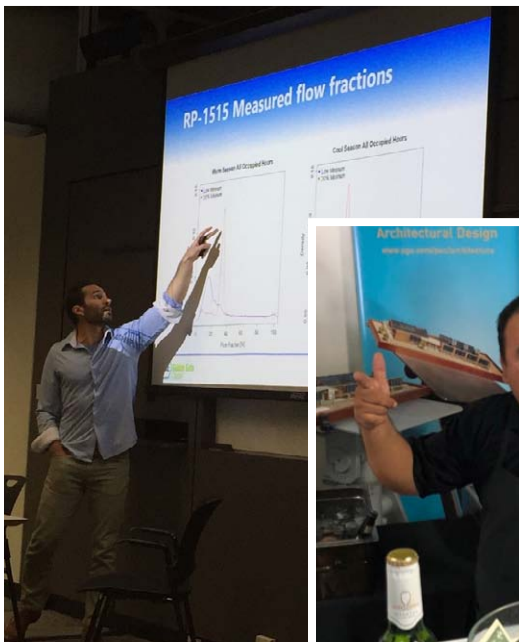
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Work is anticipated to take place at San Francisco International Airport and in San Francisco.

To apply contact Christina Seri at [cseri@ambient-e.com](mailto:cseri@ambient-e.com) or by phone at 303-278-1532x214.

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## MAY MEETING RECAP



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