

FOG DISPENSER



2019 PRODUCT SHOW – GOLDEN GATE CHAPTER

MAIN PROGRAM: MAY PRODUCT SHOW & EXPO

SPEAKERS:



Lincoln Lorscheider,
BSUBAS
"How Great is BACnet?"



Tyler Jones, Sindoni Consulting
& Management Services
"The Growing Challenges and
Benefits of Commissioning:
Trends & an Industry Tune-Up"



Paul Raftery, CBE, UC Berkeley
"Getting out of Hot Water: Elec-
trification of VAV Reheat"



Reece Kiri, Taylor Engineering
"Transforming Market Delivery
for Building Automation
Systems: ASHRAE Guidelines
36 and EPIC Best in Class"



Brandon Gill,
Taylor Engineering
"ASHRAE Guideline 36
Research: Past, Present, Future"



Adam Nakagoshi, Gensler
"The Use of Virtual Reality (VR)
in the Construction Industry"

continued on next page

MAY 23, 2019

2:30 pm to 6:30 pm

**PACIFIC ENERGY CENTER
851 HOWARD STREET
SAN FRANCISCO, CA 94103**

**All profits will go to ASHRAE
RP! Come out!**

Chapter Members: \$50.00

Non-Members: \$50.00

Students: \$00.00

AGENDA:

*Registration will open at 2:30 pm.
The product showcase will start at
3:00 pm as will the seminars which
will last 30 minutes each with 30
minute breaks in between. Again,
seminars and the product showcase
will be happening simultaneously.
After the final presentation, there
will be heavy hors d'oeuvres, a no
host bar, and a raffle for door prizes
which will help keep attendees at the
show until the 6:30 close.*

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**GOLDEN GATE ASHRAE
FOG DISPENSER
VOLUME L15- NUMBER 8
MAY 2019 COVER**

PROGRAM SUMMARY

This year's Product Show will be held on Thursday, May 23rd, 2019, at the PG&E Pacific Energy Center in San Francisco. This annual event is a main fund raiser for the chapters' contribution to ASHRAE Society Research projects.

If you are interested in attending the show, registration can be found at <https://ggashrae.org/>. It will cost \$50 to attend which will give you entry to the show as well as the great presentations, a drink coupon, and a chance to win some awesome raffle prizes including AirPods, Yeti Coolers, or a fine bottle of wine!

We look forward to this event, and have just maxed out the capacity on vendors attending! If you are interested in participating in next year's event, feel free to reach out and I will add you to the wait list.

Also, a huge thanks to all of the speakers who are presenting on key topics throughout the industry!

If you have any questions about this event, please don't hesitate to contact me at jplecnik@chchydro.com or phone: 510-266-7855 to get an application form.

See you at the next meeting.

Thank you to all the vendors that have inquired and booked tables for the upcoming product show. That list includes:



EVENT CALENDAR 2019

FOR MORE INFORMATION
AND DETAILS GO TO
WWW.GGASHRAE.ORG

NEXT MEETING:

- THURSDAY, MAY 23 DINNER
- LOCATION: PGE Pacific Energy Center
- SPEAKER: Multiple
- TOPIC: Product Show

FUTURE MEETINGS:

- THURSDAY, JUNE 20 DINNER
- LOCATION: Scott's
- SPEAKERS: Golden Gate Committee Chairs
- TOPIC: Installation Dinner

Dear Golden Gate Members,

Thank you to those that came out to our April Chapter meeting. We had a wonderful turnout of 80 attendees. It was Student Night and 17 students were present to receive their scholarships, totaling \$49,000. It was also Membership Promotion Night and we celebrated the new members that joined the meeting. The Membership Promotion committee also funded head shots for members and students and it was a huge hit! Thank you to our photographer, Ross Marlowe for setting up and providing all the digital prints. Check out my fancy, new head shot for this month's picture.

Our speakers from Affiliated Engineers, Pius Kao, PE and Joanna Pyun, PE provided an insightful talk on district heating and achieving the University of California Office of the President initiative on carbon neutrality by 2025. The speakers walked us through the design process of proving a solution for steam to hot water conversion for UC Davis, including their review of existing building loads, equipment/material and phasing for the project.

Please see slide deck on or website here to learn more: https://ggashrae.starchapter.com/downloads/2019.04.18_ashrae_golden_gate.pdf

I am extremely excited about our event on May 23rd. Doors open at 2:30pm and the first set of speakers are on at 3pm. What more can we ask for? Innovative products, great speakers, amazing door prizes, and fun with our ASHRAE community. All of this while we fund ASHRAE research, which impacts our industry and happens in our own backyard. If you haven't been to a meeting this year, this is the one that you don't want to miss!

Lastly, the ASHRAE calendar year is winding down. Our last meeting in June, will be all about our members, committees and incoming board members. It will be an evening of reflection and learning how to make the upcoming ASHRAE calendar year even better for you all!

This month, I have been reflecting on how we all carve out time from our busy schedules to either help organize or attend events. This professional organization is made possible by everyone's dedication to be involved. I remembered how at our first meeting in October, we had an SFSU student come and he brought his four-year-old daughter. At the time, I was very impressed that the little girl sat through an entire presentation on lighting controls! Now, I think of the choice the dad made to come to the meeting. Staying home is much easier, but he was committed to come, the babysitter fell through, but there they both were. This story is the reason I enjoy serving my local ASHRAE chapter; I am constantly humbled by those around me and the choices people make to be part of this community. With that, I hope you choose to come to our ASHRAE Product Show & Expo because our ASHRAE members have worked hard to put on an event that we hope you will enjoy.

Hope to see you soon. Thanks,

Michelle Dionello,
Golden Gate ASHRAE President 2018-2019





Tom Gilbertson, Chapter Historian

May 2019!

May – History Month!...What in the World happened in those last 57-years?

The “industry” that revolves around “ASHRAE” ...and particularly the Golden Gate Chapter of ASHRAE, in San Francisco, and our Chapter’s Region, has been a great place to have observed history!...The commercial history, that walking around San Francisco with a roll of drawings under your arm for 57 years, has afforded the opening of many interesting doors. And allowed access into great numbers of interesting situations....

Consider just how active the commercial environment was?...57-years ago in San Francisco... and, over these past years!. Realize that it is commercial activity that creates and drives needs; “needs” that that can be answered by out industry.

San Francisco was a truly unique environment...it was “home” to following, but not limited to,... the following commercial institutions.

The Bank of America...HQ, at the time...for the World’s largest bank

Pacific Telephone & Telegraph...HQ, at the time, to the largest “Baby Bell” which also controlled Nevada Bell, and Northwest Bell

Pacific Gas and Electric...HQ for the largest U.S.-Utility

Standard Oil of California...HQ for the 2nd largest oil company in the U. S.

Southern Pacific Railroad...HQ for the 2nd largest railroad in the U.S...in 1940 the “SP” was the 5th largest company, by assets, in the entire Country

Bechtel Corporation...HQ for the Worlds largest engineering company with over 10,000 employees in San Francisco

American President Lines...HQ for the leader in ocean shipping, and containerization

Demonte Foods...HQ for one of the original, major food companies

Hills Brothers Coffee...HQ

Folgers Coffee...HQ



The point is that these companies required the goods and services that our ASHRAE-related industry offered...and in 1962 there were over 50, relatively small “consulting engineering firms” ...that engaged in HVAC-design...San Francisco, and our Golden Gate Chapter was the center of what was aa real “happening-place”.

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We have not even begun to mention all the commercial activity that took place “down-the Peninsula” ...or “across the Bay”.

Think of the jobs, and demand for services... that just the San Francisco-list created...and then add-in the Peninsula and the East Bay...

Hewlett-Packard...Intel...Lockheed...Varian...Fairchild... Food Machinery...Owens-Corning...The Kaiser Companies... and now Apple...Alphabet (GOOGLE)...Facebook...You-tube...and Twitter...and, first GM's Buick Oldsmobile and Pontiac Plant...then NUMI Motors...and now Tesla...and on and on.

Then there is the education and medical opportunities that are centered in our area...Cal...Stanford...San Jose State (the largest of all State-Universities) ...Santa Clara...St. Mary's...USF...UC Medical Center... (both Campuses)...Stanford Med Center...Sutter Health...John Muir...Chiron...Genetec...and then throw-in ORACLE...and SAP!

Put the design and construction of our area's sport market like...Giants' Park...the Shark Tank...Levi's Stadium...and the new Warrior's' Complex...and one is practically overwhelmed with monumental construction sport-projects.

Along the line the area saw the design and construction of countless hotels, condominiums and apartments and plain-old houses...and the Area did build BART, a new San Francisco subway system...(from scratch)...and developed three International Airports...San Jose...Oakland...and...SFO...and one of largest ocean-going container ports in the World, at Oakland.

How could we not mention our friends to the North...in the Wine Country...with all that growth in over 1200 wineries?

Can ANY area, or other Region in the entire World...let alone our Country...have experienced the growth opportunities concentrated in one area,...that has driven the Golden Gate Chapter's demand for services?

I wonder if we realize what has happened in this pleasant little ASHRAE-Chapter's venue?...in those short 57 years?

Our Golden Gate Chapter has truly been at almost an astronomical-growth center...that certainly afforded opportunities for our ASHRAE-related service.

“Yep!...we have been pretty lucky!”

Congratulations to the Scholarship Winners

The recipients of the Golden Gate Chapter Scholarships and the Eric Thor Andresen Memorial Scholarships were announced at the chapter meeting on May 18.

The Golden Gate recipients were:

Won Hee Ko	\$2,000	UC Berkeley
Samuel Moser	\$2,000	Cal Maritime

The ETAMSF awardees were:

Elnaz Tafrihi	\$8,000.00	UC Berkeley
Tathya Abe	\$5,000.00	UC Berkeley
Syung Kee Min	\$5,000.00	UC Berkeley
Chandra Vogt.....	\$3,500.00	UC Berkeley
Mohamad Milad Alajtal	\$3,500.00	SF State
Osama Hasan.....	\$2,500.00	SF State
Mohammad Keshavarzi	\$2,500.00	UC Berkeley
Carson Alexander	\$2,500.00	Cal Maritime
John Paul Metkowski.....	\$2,500.00	SF State
Ben Taube	\$2,500.00	UC Berkeley
Sierra Spencer	\$2,500.00	UC Berkeley
Marta Delgado	\$2,500.00	UC Berkeley
Alberto Sanchez	\$2,500.00	SF State

The recipients attended the meeting and received their scholarship certificates that were presented by members of the Student Activities Committee. The student activities committee consists of Juliana Velez, Alicia Tan, Matt Flannery, Richard Paillon and Anthony Covarrubias.

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 22-26. 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>

REDWOOD EMPIRE NEWS

June 14 final meeting to be held at the new Russian River Brewery!

The main announcement from RE is that we will hold our final meeting of the year at the newly built Russian River Brewing Company brewery in Windsor on Friday June 14. Cost is \$50 for members (\$55 if register late) and \$60 for non-members (\$65 if register late). Ticket price includes a technical brewery tour with details about their HVAC and refrigeration systems, beer, food and the company of your fellow ASHRAE buddies and significant others.





Jake Barker, YEA Chair
Young Engineers of ASHRAE

San Francisco YEA golden gate chapter recently hosted a joint social hour with the local AYP San Francisco chapter. AYP is the young affiliates of the ASP (American society of plumbing engineers). Since plumbers and mechanical engineers work so closely both the AYP contact (Chelsea Quigley)

and YEA chair thought it be good to host a social hour. Members of both groups met on April 11 at Brewcade. Brewcade is a combination tap room and arcade with lots of old video games. Quarters were doled out, adult beverages were drank, and conversations about how best to pump water were had.

If you have interest in joining these activities and other events hosted by YEA contact Jake Barker@ jbarker@airtreatment.com.



MEMBERSHIP PROMOTION



Brian Chacon, Membership Promotion Chair
April 18 MP Night

A special thank you to those who went the extra mile and brought new members to our April Dinner meeting. We had 17 potential new members attend, well done!

Welcome New Members!

When renewing your memberships, please pay your local chapter dues AND Society dues. Throughout the year I will list the members who joined over the previous month, be sure to keep a look out and give them a warm welcome! Below are our newest members:

Nick Bublavi, PE
 Danny Helms
 Mr Louis Mercado
 Mr Kurt M Beske
 Matthew William Keating
 Mrs LANFANG LIU

Mr Caleb A Clough
 Mr Anthony R Saracino
 Sadie Rose Joy
 Mr Prashanth Mundkur
 Mrs Sherie Ann Bialous
 Mr Benjamin Ross Manich

Ms Lauren Byrne
 Mr Marwan Higgy
 Mr Bruce Daniel Johnson
 Juvenal Martinez
 Mr Kent A. Dahlquist
 Dr Seema V Bhangar

Cheers, Brian Chacon



Charlie Warren, Research Promotion Chair

What is the Resource Promotion Campaign?

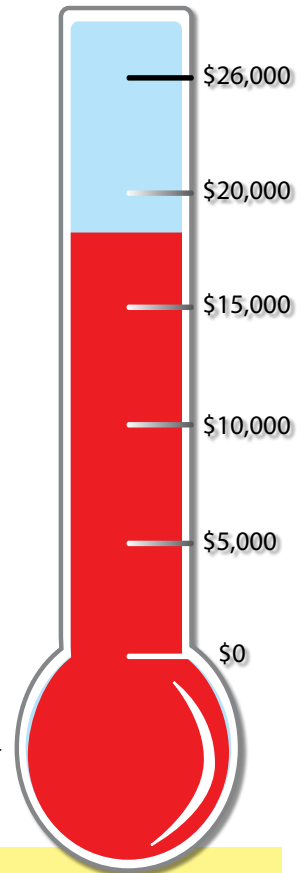
The RP Campaign is an annual fundraising campaign benefiting the funding of numerous ASHRAE Programs. These programs include:

- **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 \$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

Jim MacDonald
Frank M Lo, PE
Steven Taylor, PE

INDIVIDUALS Up to \$249

Lori Ann Arakawa
Kyle S Blocker
Dr David H Blum
Bryan Brauer
Brian Chacon
Blaine Daniel Conner
Michelle Dionello

INDIVIDUALS Up to \$249

Steve Dobberstein
Kevin F Dowling
Alyse Falconer
John Hill Gardner III
Steve Greenberg
Kenneth Hill
Carl H Jordan
Hratch A Krikorian
Glen R Leggoe
Jeremy Martinez
John R Mathie
Eugene A McCabe
Ashley Messier

INDIVIDUALS Up to \$249

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

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 or contact RP Chair Charlie Warren at
(415) 742-9350, charlie@convexlabs.io

GOAL:
\$26,000

CONTRIBUTIONS:
\$18,019



Golden Gate ASHRAE September Road Ride

September 28, 2019

It's not a race but a day of fun on your bicycle!

Do you love riding your bike? Come join this fun-filled race now held in September.

There will be bikes, snacks, BBQ, and a great time. Start time is at 9:00am but come out beforehand for snacks. There are two courses that will ride through the Marin Headlands- 50km or 100km.

Riders will get:

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

Please sign-up early, so that we can plan accordingly but day of ticket to ride will be \$75.

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.

ANNOUNCEMENTS

Special Congratulations!

To our own Golden Gate ASHRAE Photographer and Redwood Empire Board Member Billy Martin! His daughter Emiko Reid Martin, little Emi for short was born on 4/7.

We wish the family a huge congratulations during this wonderful time!



Upcoming PG&E Events & Classes

Ag./Industrial Refrigeration Systems Efficiency

This class will provide attendees with the basic knowledge to identify and quantify energy efficiency opportunities for industrial and refrigerated warehouse refrigeration systems. Among the topics that will be discussed are the basics of refrigeration systems, common energy efficiency measures, case study examples, and PG&E's energy efficiency programs. An explanation of PG&E incentives, baselines, and how they relate to Title 24 requirements for Refrigerated Warehouses will be discussed.

WED MAY 8, 2019, SAN FRANCISCO – PACIFIC ENERGY CENTER

9:00 AM – 5:00 PM

Registration: <http://usi.pge.com/event-details?EventID=20486>

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.

TUE MAY 14, 2019 ONLINE

9:00 AM – 4:30 PM

Registration: <https://usi.pge.com/event-details?EventID=20782>

A Class for Control Freaks: Getting the Most from your Building Automation System

This class will explore common control strategies including schedules, setbacks, resets, lockouts, vacancy controllers, demand control ventilation, CO controllers, economizer operation, and the control of variable speed equipment. We will also look at strategies for diagnosing improper operation of Building Automation Systems using graphics from these systems, trend data and data from loggers.

WED MAY 22, 2019, SAN FRANCISCO – PACIFIC ENERGY CENTER AND ONLINE

8:30 AM – 4:30 PM

In-person registration: <http://usi.pge.com/event-details?EventID=20874>

Simulcast registration: <http://usi.pge.com/event-details?EventID=20875>

Advanced Framing for Energy and Resource Efficiency

This class covers advanced design and construction methods for optimizing building enclosures as well as the implementation of advanced framing in residential and low-rise commercial wood framed buildings. Optimizing building envelopes by reducing the framing factor leads to lower air leakages, less thermal bridging, and high R-values.

WED MAY 22, 2019, SAN FRANCISCO – PACIFIC ENERGY CENTER AND ONLINE

9:00 AM – 4:30 PM

In-person registration: <http://usi.pge.com/event-details?EventID=20334>

Simulcast registration: <http://usi.pge.com/event-details?EventID=20852>

Evaluating and Selecting Luminaires

How do you find and compare lighting fixtures for your application? What do you look for in the product? This class will identify characteristics of fixtures to help you understand what to select for an application, with a focus on fixtures with integrated LEDs as the source. Lighting concepts will be reviewed, including color, basic photometry and glare, and a method for comparing luminaires will be introduced.

THU MAY 30, 2019, SAN FRANCISCO – PACIFIC ENERGY CENTER AND ONLINE

In-person registration: <http://usi.pge.com/event-details?EventID=20903>

Simulcast registration: <http://usi.pge.com/event-details?EventID=20904>

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Upcoming PG&E Events & Classes *continued*

Air Sealing to Achieve Zero Net Energy – New Techniques and Applications

One of the key components in achieving a Zero Net Energy building is the tightness of its envelope to air infiltration. In this training, Terry Nordbye will use real world examples to explain the need and importance of air sealing. Methods to incorporate air sealing into building design and construction will be presented along with a comparison between the different air sealants and air sealing techniques.

WED JUNE 5, 2019, SAN FRANCISCO – PACIFIC ENERGY CENTER AND ONLINE

9:00 AM – 4:30 PM

In-person registration: <http://usi.pge.com/event-details?EventID=20378>

Simulcast registration: <http://usi.pge.com/event-details?EventID=20756>

Window Selection for New and Existing Homes

This class examines how to evaluate and select the most appropriate window technology for a given California climate in order to save on heating and cooling costs as well as increase occupant thermal comfort. Topics include, NFRC labels, new low-E and spectrally selective coatings, advanced frame and spacer technology, in addition to how to properly flash windows during installation.

TUE JUNE 11, 2019, ONLINE

Registration: <http://usi.pge.com/event-details?EventID=20785>

How to Design and Build High Performance Walls and Roofs

This class examines how to design and build high performance wall and roof assemblies that deliver energy efficiency without leading to water and moisture failures. This interactive class is designed to sort through the myriad of insulation system options in order to match the best insulation system to the type of structure.

WED JUNE 12, 2019, SAN FRANCISCO – PACIFIC ENERGY CENTER AND ONLINE

9:00 AM – 4:30 PM

In-person registration: <http://usi.pge.com/event-details?EventID=20498>

Simulcast registration: <http://usi.pge.com/event-details?EventID=20858>

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.

TUE JUNE 18, 2019, SAN FRANCISCO – PACIFIC ENERGY CENTER AND ONLINE

8:30 AM – 4:30 PM

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

Simulcast registration: <https://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.

THU 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.

MON JUNE 24, 2019, WEBINAR

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

continued on next page



Jaime Wisniewski | Energy Centers Marketing & Communications Specialist

Pacific Gas and Electric Company | SodexoMAGIC

415.973.9827 office | 223.9827 internal | jaime.wisniewski@pge.com

Learn something NEW this spring - download our calendar to find the energy efficiency class for you!

Upcoming PG&E Events & Classes *continued*

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.

TUE 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.

WED JUNE 26, 2019, ONLINE

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

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.

WED 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.

THU 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.

TUE JULY 9, 2019, SAN FRANCISCO – PACIFIC ENERGY CENTER

9:00 AM – 4:30 PM

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

KW ENGINEERING

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

kW Engineering

287 17th Street, Suite 300

Oakland, CA 94612

www.kW-Engineering.com

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

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

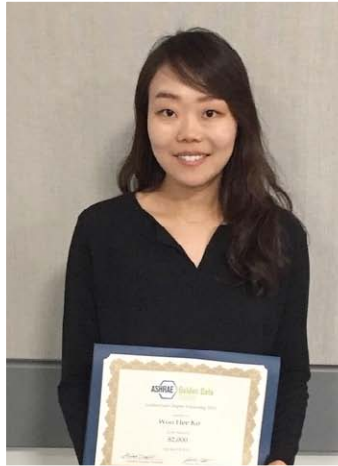
ENHANCEMENTS:

- Energy Audits, Retro-Commissioning, Energy Modeling

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 or by phone at 303-278-1532x214.

APRIL MEETING RECAP



APRIL MEETING RECAP



Board of Governors

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