

Your Help Needed to Build a Stronger Engineering Workforce in Hawai'i

Recruiting, onboarding and developing new engineers is something that every engineering firm wants to do well. The *Oahu Engineering Sector Partnership's* workforce committee identified the need for growth in professional and communication skills in new engineering graduates and is conducting a survey to understand the most essential skills. Survey results will be used to build awareness with engineering students, faculty and employees: what are the professional expectations of engineers? The Partnership also plans to collaborate with engineering faculty to integrate the development of these skills in the classroom, projects, internships and other student experiences.

If you are an engineering professional or engineering recruiter, please participate in this 15-minute survey to identify the most essential professional/communication skills for engineers to be successful -- <https://www.surveymonkey.com/r/3VTQSVL>

The survey will close on July 10, 2019.

Oahu Engineering Sector Partnership Background

Since 2017, engineering firms across Oahu have come together with a shared goal in mind: growing Hawai'i's engineering industry together. From its initial launch, the Oahu Engineering Sector Partnership has worked collaboratively to identify priorities to strengthen the sector. The partnership is an industry-led collaboration driven by a diverse group of engineering leaders representing construction and engineering firms on Oahu. It serves as a forum for the engineering community to tackle common priorities that impact the overall

competitiveness of the sector – these are priorities that no single organization can adequately address on their own. The partnership is convened by the University of Hawai'i and the Chamber of Commerce Hawai'i, working in partnership with other education, workforce and economic development organizations.

The partnership currently has two action teams led by engineering leaders: Regulatory Improvement and Workforce.

Here is what some members are saying about the Oahu Engineering Sector Partnership:

"I am very grateful for the opportunities and connections that are facilitated by the University of Hawai'i and Chamber of Commerce through this Engineering Sector Partnership. As a civil engineer and business entrepreneur, I am always looking to hire the best and the brightest to work at our company. At G70, we work on a variety of projects looking to address some of Hawai'i's significant infrastructure challenges. We in the industry must realize that we have the capability and responsibility to prepare our youth for successful careers in engineering; to develop and foster local talent and keep that talent in Hawai'i. The Partnership gives us the chance to collaborate with our local schools, universities, and industry partners in meeting those goals, by focusing on developing both



Oahu Engineering Sector Partnership committee huddle in action on August 14, 2018 at The Pacific Club.

technical abilities and interpersonal skills in our future generation of engineers." ~ Ryan M.K. Char, G70.

"I have found that participating in the Chamber of Commerce Engineering Partnership Workforce to be extremely beneficial to our firm and to our engineering community. Our firm has been able to get contacts and access UH College of Engineering students for possible internships at our company. In addition, the Committee is collaborating with UH to help shape the future curriculum so that graduates are better prepared for entry into the workforce." ~ Brian Bowers, Bowers + Kubota Consulting.

For more information on the Engineering Partnership, please see <https://hawaii-sector-partnerships.org> or contact Hawaii Sector Partnerships at (808) 956-7278.

ASHRAE's YEAR IN REVIEW

It was nearly 50 years ago on September 10, 1969, that the ASHRAE Hawaii Chapter held its first official Chapter meeting at the Princess Kaiulani Hotel in Waikiki. For the past five decades, the ASHARE Hawaii Chapter has promoted the advancement of the heating, refrigerating and air-conditioning engineering sciences by providing continuing education for members and non-members. The chapter has also offered career guidance and financial assistance to local students in the field and promoted scientific research at the national level. The local chapter has grown since 1969 to be a valued engineering association for over 250 members in Hawaii.

This past society year marks a historic milestone for the Hawaii Chapter, with the completion of \$30,000 in funding for the Kokua Scholarship Fund, which once fully vested in

January of 2020 has the goal of providing an annual scholarship award to local college students who are dedicated to pursuing a career in the HVAC engineering field. The scholarship fund is the culmination of years of fundraising by the ASHRAE Hawaii Chapter and generous sponsorships by many industry partners and individual donors. It was initiated by past-president Kevin Luoma, P.E. (2017-2018 society year), and fully funded this year under the leadership of 2018-2019 president Mofazzal Mir, P.E.

In addition to the technical presentations at monthly meetings planned by Diamond Pedro and Kelsey Koshi, the ASHRAE Hawaii Chapter has hosted a wide variety of events this past year. The annual Golf Tournament was attended by 170 golfers this year on May 3, 2019 at Pearl Country Club, and is traditionally the biggest

fundraising event the Chapter hosts. The key to the event's success was Research Promotion committee chair Joshua McDonough, his team of volunteers and numerous sponsors.

Continued on Page 7



An architectural round table was held at the January monthly meeting, where architects were invited to discuss their experiences with HVAC in building design and construction.



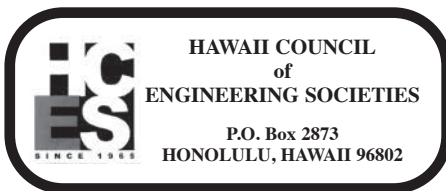
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WILIKI MAILING LIST

Additions and/or corrections to the Wiliki mailing list should indicate the proper society, institution or association. Corrections to email addresses should be submitted to your society coordinator.

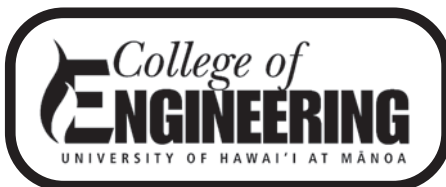


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<http://www.hawaiispe.org/>

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Hawaii County Charter Commission Proposal on PW Director Qualifications Successfully Opposed

The Hawaii County Charter Commission is an 11-member commission which, as its name implies, proposes and recommends charter amendments to be placed on the election ballot for voter consideration. Among the 22 proposed charter amendments on this year's docket was CA-26, to amend Section 6-2.2 relating to "Qualifications for the Director of the Department of Public Works."

Currently, that section of the charter reads as follows: "Director: the director of public works shall be appointed by the mayor, confirmed by the council, and may be removed by the mayor. The director shall be a registered professional engineer. The director shall have had a minimum of five years' experience in an administrative capacity."



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www.uhalumni.org/eaauh

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When Hugh Ono, P.E. got wind of this proposal, he appeared at a Charter Commission hearing and gave public testimony urging the Commission to drop CA-26 after its first reading. But the Commission members agreed unanimously to keep moving the proposal forward. Alertly, Ono notified several prominent members of the local engineering community, many of them members or former members of the Hawaii Society of Professional Engineers. An ad hoc "action committee" was formed to draft testimony, plan a strategy, and spread the word to the larger Hawaii Island engineering community.

The group of ten engineers worked on its mission for about two weeks, and appeared at the Charter Commission's June 7 meeting, at which CA-26 was have its third and final reading followed by a vote of the members on whether to recommend it forward to the Hawaii County Council. The group came armed with its main weapon, a joint statement of position that was supported by no less than 58 professional engineers and EIT's, architects, land surveyors, even non-engineers.

President Mike Lum, P.E. submitted a separate written testimony on behalf of HSPE, and numerous other P.E.'s submitted their own individual testimonies. Nine engineers read their testimony orally to the commissioners, including three former DPW directors: Warren Lee, Hugh Ono, and Riley Smith. One audience member present to testify on other charter measures joined us in testifying against CA-26.

The result was amazing. What had been racing down the tracks as unanimous consent to the proposal was turned to a 7-2 vote against it. During the debate on CA-26, more than one commissioner thanked the engineers who testified for educating them to the importance of professional licensure as a qualification for a County officer who makes frequent engineering decisions as part of his regular duties. Other commissioners mentioned the twin emergencies last year, the Kilauea eruption and Hurricane Lane flooding events, saying they now understood that having a person professionally qualified by licensure to handle technical issues in charge of disaster response and recovery is vital to public safety.

Curtis Beck, P.E., citing his experience on the NSPE Board of Ethical Review and the Task Force on Over-Ruling Engineering Judgement, said that the issue of qualifications of local government leaders in engineering positions is a national issue, that removing the P.E. licensure requirement here would undermine the licensure system that was laboriously constructed state-by-state during much of the 20th century. He urged commissioners to put public health and safety ahead of political expediency in hiring County officers.

HSPE thanks the local engineering community for its support of this effort and, in addition to those already mentioned, commends committee members Nimr Tamimi, Bruce Meyers, Geoffrey Casburn, Austen Drake, Peter Boucher, Cory Kaizuka, and Neal Herbert, P.E.'s all, for their collective efforts.

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NEXT EXECUTIVE COMMITTEE MEETING

July 17, 2019, 11:30am, CSM Baseyard – 99-989 Iwaena St

NEXT QUARTERLY LUNCHEON MEETING

Program: Honouliuli WWTP Biogas Upgrading Facility – Richard DeGarmo

Date: Wednesday, July 10, 2019
 Location: Dave & Buster's Honolulu
 Time: 11:30 a.m. – Check In
 11:45 a.m. – Lunch
 12:15 p.m. – Program
 1:00 p.m. – Adjourn
 Menu: Buffet
 Cost: \$20.00 for HWEA Members
 \$10.00 for Students

Registration and payment on-line at: www.hwea.org

Reservations for the luncheon meeting to Jon Baker by Monday, July 8, 2019, by phone at 768-4473 or email at jbaker@honolulu.gov.

STORMWATER QUALITY BMPS WORKSHOPS

Date: July 22-26, 2019
 Location: Hawaii Convention Center
 More Info: <http://bit.ly/BMPworkshop>
 Registration: www.HWEA.org
 Topics: Permanent post-construction BMPs, erosion and sediment control BMP inspections, local case studies, permitting challenges, LID BMP pilot studies, TMDLs and drivers for LID BMP implementation.
 There will be multiple training/certification courses in conjunction with this event (at additional cost).

10th BIENNIAL COLLECTION SYSTEMS CONFERENCE – CALL FOR ABSTRACTS

Date: Wednesday, November 20, 2019
 Location: Koolau Ballrooms Kaneohe
 Abstract Due: July 31, 2019
 Send abstracts to: Tom Myers – tmyers@brwn.com
 Submit with abstract: Title, names of speakers, authors, company/agency affiliation, address, telephone number and email address
 Visit our website for list of topics: www.hwea.org
 For questions/info call: Tom Myers (203-2660) or Sheryl Nojima (521-0306)

NEW STRATEGIC PLAN

The association has a new 2019-2022 Strategic Plan to guide our efforts and activities for the next three years. Please look at the plan on the website (www.hwea.org) and see how you can get involved and contribute. Contact Roger Babcock: rbabcock@hawaii.edu.

**2019-2020 ITE Officers**

President: Jennylyn Tapat
JTapat@wilsonokamoto.com
 Vice Pres.: Kelly Akasaki
 Sec/Treas: Jasmine Teramae-Kaehua

A Hawaii Section meeting was held on May 21st at the Frank Fasi Municipal Building. At the start of the meeting, Legislative Committee Chairperson Wayne Yoshioka provided a summary of the legislative measures that passed during the recent legislative session. These measures included the passage of the red light cameras (SB663 SD2 HD1) and changes to the traffic code regarding pedestrian crossings (SB98 HD1 CD1). The former establishes a red light running committee to develop policy recommendations for a red light running pilot program and is comprised of state and county administrators while the latter is intended to clarify the requirement that a motorist yield to a pedestrian by specifying when a pedestrian is considered to be within an intersection or adjacent crosswalk.

The committee reports were followed by a presentation from guest speaker Justine Espiritu, Grants and Program Manager from Bikeshare Hawaii. Justine's presentation highlighted the organization's successes in the last year including an increase in ridership and a 30 percent expansion to the program's bicycle fleet growing from 100 stations to 130 stations within the last year. Biki was also recently ranked top 6 bikeshare system in the nation by the National Association of City Transportation Officials. Biki users are comprised of a mix of visitors and local residents with residents making up 60-75% of Biki users. As such, Biki has been focused on targeting resident demand including areas like Makiki, Diamond Head, and Wilei. When asked what initiatives Biki has been involved in to increase infrastructure improvements, Justine shared that Biki has been working closely with the Hawaii Bicycling League to put together workshops to educate riders safe cycling practices and the rules of the road and encourage their members to be involved in town meetings. In the future, the organization plans to explore potential sites for expansion including establishing satellite stations in Kapolei, Haleiwa, and Kailua.

**Hawaii Section 2019-2020 OFFICERS**

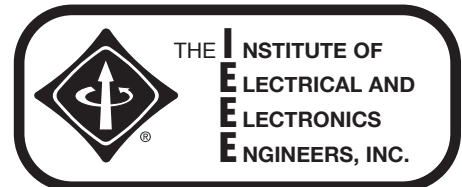
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 Cont. on the Board of Directors: Maelyn Uyehara (Past Pres.)

Local Elections for AAACE Hawaii Section's Board of Directors were held in May. Thank you to our supportive members and colleagues for making our events successful.

"Lessons Learned on Integrating a Linear Schedule with the CPM Schedule," a technical presentation was presented by Kristy Kastner. This was held on Friday, June 7, 2019. Mrs. Kastner provided our group an opportunity to learn how a single page linear schedule can properly represent the full project scope and is worthwhile to pinpoint schedule issues and flaws in comparison to the traditional Critical Path Method (CPM).

Our local Board Meetings are held monthly. Feel free to contact us with suggestions or interest. For more information, please visit our website www.aacehawaii.com.

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Website: www.acechawaii.org

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8th Annual Scholarship Open Golf Tournament



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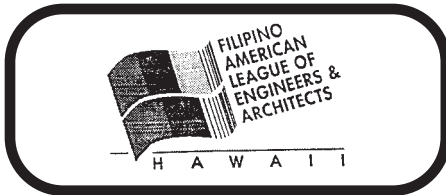


FRIDAY, JULY 12, 2019

Ewa Beach Golf Club
91-050 Fort Weaver Road, Ewa Beach, HI 96706

Check In / Lunch – 11:00 AM
Shotgun Start – 12:30 PM

REGISTRATION DEADLINE: JUNE 25, 2019



P.O. Box 4135, Honolulu, Hawaii 96812
Website: <http://www.falea.org>

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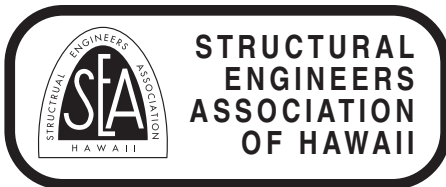
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The Filipino American League of Engineers and Architects (FALEA) of Hawaii is holding their 8th Annual Scholarship Open Golf Tournament on Friday, July 12, 2019 at the Ewa Beach Golf Club at 91-050 Fort Weaver Road, Ewa Beach, HI 96706. The registration deadline is June 25, 2019. This golf tournament raises money for the FALEA Foundation that grants scholarships to students of Filipino ancestry who are pursuing careers in science, technology, engineering and mathematics (STEM).

For more information, contact:

- o **Elvi Sutherland** - 397-0754
elvi@amethystbuilders.com
- o **Angie Armas** - 382-6290
angiearmas67@gmail.com
- o **Ferdi Guinto** - 518-0455
goldinhawaii@gmail.com

Registration forms and payment can also be mailed to FALEA Foundation, PO Box 4135, Honolulu HI 96812-4135.



PO BOX 3348, HONOLULU, HI 96801
Web Page URL <http://www.seaoh.org>

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PREVIOUS BOD MEETING

June 5, 2019

General Membership Meetings/Technical Seminars/Events

- For all events see seaoh.org
- SEAHO Convention 2019 – Dates are set for

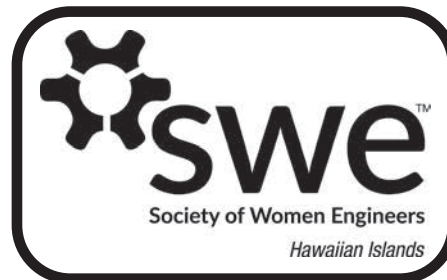
October 18-20 with the main convention activities being held at Alohilani Resort in Waikiki and the Banquet Dinner held the Hawaii Convention Center hosted by Ashraf Habibullah of CSI. Mark your calendars and watch for the opening of registration. You won't want to miss this!

• The Annual SEAHO golf tournament is scheduled for November 1st at the Hoakalei Country Club. More details to follow.

SEAHO Young Member Group

If you are a younger member interested in social activities with your peers, volunteering for outreach and community service, and opportunities for professional development, please contact Kevin Galvez at seaoh.ymg@gmail.com for more information.

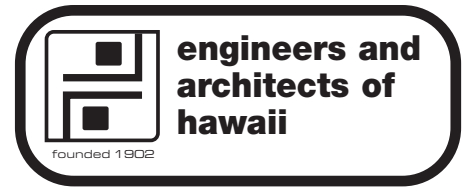
Next Meeting on July 3, 2019. For information, contact SEAHO President; Kevin Nakamoto knakamoto@ssfm.com



P.O. box 61728
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EMAIL: swe.hisecion@gmail.com

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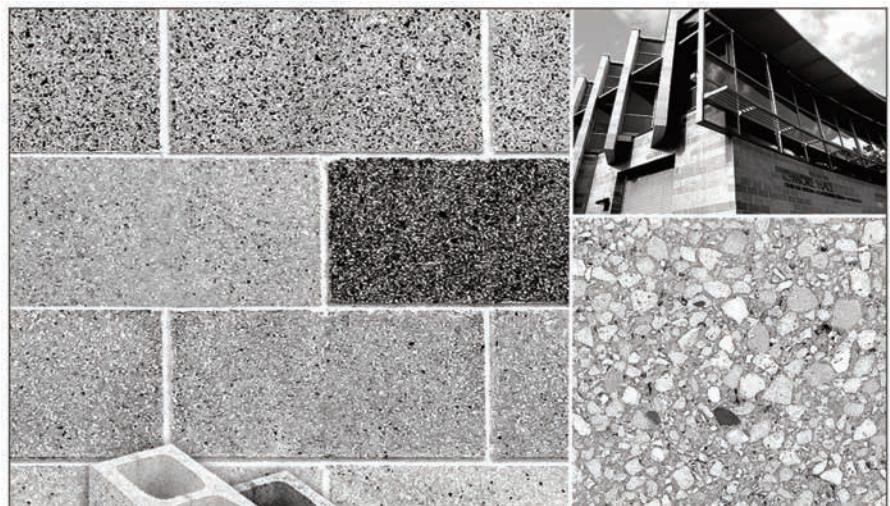
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Past President	Dave Martin	543-4504

EAH's new meeting location is Room 301 in the Topa Tower (Ewa tower on Fort Street; Old AMFAC Building). Validated parking is available (enter from Nimitz). The WEB site has been updated to provide directions and a Map. If you have questions please call Sam Gillie (543-4739).

Meetings are held every Friday (except Holidays). Meetings start at NOON and have ended PROMPTLY at 1:00 pm for 70 Years.

Program schedule may be adjusted. Call Sam Gillie to confirm speaker 543-4739; Fax 203-1335.

Lunch is \$10.00 Members, \$12.00 Guests. (All Welcome), Students Free. Drink refreshments are complimentary. You may bring your own lunches, in which case a \$2.00 donation is gratefully appreciated!!



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CMAA Hawaii Chapter News:

Aloha CMAA Hawaii!

Everyone is still taking about the great mini conference held at Koolau Ballrooms. The attendance of 102 professionals made for an exciting time. The CMAA National President Andrea Rutledge was impressed and some of the speakers stayed for the entire conference.

The speaker luncheon was held at Honolulu Community College cafeteria and Garret Matsunami/Castle & Cooke spoke about the Koa Ridge Project.

The PCM class is scheduled for August 7-9, 2019. Emails went out regarding registration. If you have not signed up, it is not too late as there are still openings available.

The next community service is being finalized. Be on the lookout for information and bring along some friends to give back to our community.

As shared in the past, our chapter is here as a resource for all Construction Engineering and Management professionals, and the things that we do benefit not only our CM community but our larger Ohana as well.

If you have any questions regarding any of our upcoming events, would like to join our Ohana and become more involved with the CMAA Hawaii Chapter or would simply like to be added to our email list, please email us at: hawaii.cmaa@gmail.com, or at our mailing address: CMAA Hawaii, PO Box 531, Honolulu, HI 96809

Looking for a CCM? The current listing for all Hawaii CCMs can be found here: <https://cmaanet.org/certified-construction-managers-registry>.

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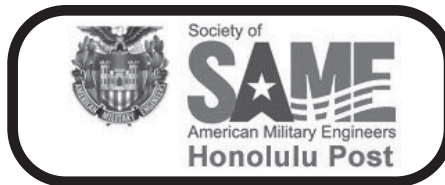
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 Jordan Urabe, Past President
jurabe@ascehawaiiymf.org

YMF General Meeting

The next YMF general meeting is scheduled for Wednesday, July 3rd, 2019 at 6:00 pm at Coffman Engineers (Downtown Office). If you are interested in attending and learning more about the various professional, social and service opportunities available through YMF, please contact YMF at ymf.hawaii@gmail.com.



P.O. Box 31218, Honolulu, HI 96817

Web page: www.samehonolulu.org

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 Pres-Elect Samantha Nakamura, PE
 Vice Pres Matthew Tio
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 Treasurer Justin Choriki
 Board of Governors Mofazzal Mir, PE, Kevin Luoma, PE, Paul Scott, Scott LaBeau

Chapter Chairperson

Attendance and Reception: Min Zhong, PE
 Technology Awards: Charles Chaloeicheep, PE
 Grassroots Government Activities Chair (GGAC): Kevin Luoma, PE
 Historian: Mofazzal Mir, PE
 Membership Promotion: Jeanessa Slaughter
 Newsletter Editor: Matthew Tio
 Chapter Programs: Froilan Garma & Todd Strand
 Refrigeration: Kelsey Koshi
 Research Promotion: Joshua McDonough
 Student Activities: Tony Rasabout, PE & Andrew Crossland, PE
 Technical Seminar & Product Show: Josh Jackson
 Technology Transfer: Samantha Nakamura, PE
 Webmaster: Kalani Castro
 Chapter Electronic Communications: Diamond Pedro & David Lebowitz
 Young Engineers of ASHRAE (YEA): Kelly Zheng
 Sustainable Activities: Charles Chaloeicheep, PE & Dan Mestas
 Nominating Committee: Paul Scott, William Lee, PE, Kevin Luoma, PE
 Events & 50th Anniversary Celebration Committee: Donna Kishi, William Lee, PE, Kevin Luoma, PE

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ASHRAE's YEAR IN REVIEW continued from page 1

Proceeds contribute to the Chapter's research promotion goals, which promote the development of new ASHRAE technical documents and refinement of existing ASHRAE standards that are fundamental tools for engineers in building design and construction.

The ASHRAE Hawaii Chapter also holds an annual Technical Seminar, which was on March 7, 2019 at the Ala Moana Hotel and organized by event chair Josh Jackson. Members attended a half-day seminar to learn about topics such as how the Internet of Things impacts the design of buildings and cities by ASHRAE Distinguished Lecturer Dr. Dru Crawley, Cannabis Facilities Design 101 by Kevin Hicks, and best legal practices for risk mitigation in the construction industry by Addison Bonner.

Sustainable Activities chair Charles Chaloeicheep, P.E., encouraged members to

donate their time and efforts at several beach cleanups, promoting stewardship of the island's beautiful landscape. A refrigeration plant tour of the Ice Palace was organized by refrigeration committee chair Jeanessa Slaughter to provide an educational experience as well as a fun ice skating outing for members and their families. The Hawaii Chapter's first Women in ASHRAE event was also held this year at Amuse Wine Bar as a networking pau hana for women in the HVAC industry.

As the 2018-2019 society year wrapped up in June, the Chapter celebrated the installation of new officers, board of governors, and committee chairs at the annual Installation Banquet on June 13, 2019 at the Plaza Club downtown. The event was Las Vegas casino themed, complete with blackjack and craps tables. It was an enjoyable night honoring the hard work of all the past year's officers, board and committee chairs as they pass the torch onto the next incoming group of volunteers, led by newly installed president Willie Diguc, P.E.



HAWAII CHAPTER OFFICERS

President: Robert Bigtas
Coffman Engineers
bigtas@coffman.com
Vice President: Derick Kam
NAVFAC Hawaii
Secretary: Ferdi Guinto
NAVFAC Hawaii
Treasurer: Sam Dannaway
Coffman Engineers
Director: Mel Harano
Thermal Engineering Corporation
Director: Bob Lohaus



The refrigeration plant tour at Ice Palace concluded with some fun on the ice.



New officers and board of governors were installed on June 13, 2019.



Members enjoy a night of fellowship with their families and friends at the annual ASHRAE Hawaii Chapter Christmas Party.



Members enjoy a great day of golf at the annual ASHRAE Hawaii Chapter Golf Tournament.

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