VOL. 53 NO. 6

SERVING 2000 ENGINEERS & LAND SURVEYORS

AUGUST, 2017

TOP REASONS FOR PROFESSIONAL AFFILIATIONS

by Kristy Kastner, PSP

Amongst individuals in every company, professional development is a vital component for a successful career path. One avenue that can assist in this guest are the many organizations within HCES. Professional organizations offer technical publications, recommended practices, career centers, conferences, and networking opportunities.

This article will feature AACE offerings such as technical presentations, certifications and conferences are common across Hawaii Council of Engineering Societies (HCES).

Local Technical Events

AACE's Hawaii Section holds monthly planning meetings to provide its members low cost (and sometimes free) technical meetings, social events, and community services. Locally, we have held site tours at the Rail Operations Center and Waihe'e Tunnel. Our technical presentations featured the following topics: "Honolulu's Construction Industry Trends," "AACE Certification Process Overview," "Water Setting Guidelines," and "Riding the Construction Cycle - a short tour of the cost landscape."

Certification Program

AACE offers a range of certification levels from technician to professional to expertise level. AACE International is a member of the Board of the Council of Engineering and Scientific Specialty Boards (CESB). The CCP, CCT, CEP, EVP and PSP Certification Programs are fully accredited by the CESB. A summary of AACE certifications are as follows:

- o Technician Level Certifications (both early-career to gain requisite years of experience and starting point for mid-to-late career professionals)
- Certified Cost Technician (CCT)
- Certified Scheduling Technician (CST)

o Professional Level Certifications

- Certified Cost Professional (CCP)
- Certified Estimating Professional (CEP)
- Earned Value Professional (EVP)
- Planning & Scheduling Professional (PSP)
- o Expertise Level Certifications (for senior-level practitioners and specialists)
- Certified Forensic Claims Consultant (CFCC)
- Decision & Risk Management Professional (DRMP)

On-island, we have members with CCP, CEP, CST and PSP credentials. Advantages of certification shows professional commitment, greater earning potential, improves job opportunities, and intensifies continuous learning. Certification requires you to study recommended practices and standards.

Likewise, employers reap benefits of certification. Employers with certified individuals are able to comply with Request for Proposal (RFP) personnel qualifications.

National Conferences and Seminars

Every summer the AACE Annual Meeting conference is held over four days. Papers are written and presented by individuals in a variety of tracks (BIM, claims and dispute resolution, cost and schedule control, earned value, estimating, professional development, owner issues, project management, risk management, and total cost management.

Similarly, our local members have also found the Western Winter Workshop an easier venue to travel to from Hawaii. The last two years it

University of Hawaii at Manoa. It was a time of double

SWE Begins Scholarship Fund in Memory of Charter

Mae (Nakatani) Nishioka first made her mark on Hawaii's history when she became the first woman to graduate with a degree in engineering from the standards and very different expectations for women, and although some pointed her in the direction of the Home Economics building, she persisted and obtained her engineering degree in 1950. Four years later, she made history again as Hawaii's first female licensed



Professional Engineer. Mae started her career in the Territory of Hawaii's Highway Planning Office, where she would later work on the beginnings of the H-1 freeway. She took a short break to raise her three children but was soon asked to return to work due to a shortage of engineers. She resumed her career in the Hawaii Irrigation Authority, then the Public Works Department, Department of Transportation, and finally the University of Hawaii (UH). While working at UH, she put together a construction program for the development of the UH Manoa, UH Hilo, UH West Oahu, and the community college campuses. She later became the Director of the Facilities Planning Office at UH until her retirement in 1983.

Mae was awarded the 2017 Lifetime Achievement Award by the Hawaii Council of Engineering Societies for her engineering accomplishments, as well as for recognition of the trail she blazed for women in the traditionally male-dominated field. Unfortunately, she passed away just two days before the Award presentation, but her daughter, Susan Nishioka, was able to accept it on her behalf. In her acceptance speech, Susan issued a challenge, in Mae's spirit and aligned with her lifelong efforts, for the audience to find and nurture the next generation of engineers.

In addition to her commitment to her family and career, Mae was also passionate about supporting the community. She was an active member of the Society of Women Engineers (SWE) for 59 years. When she joined in 1958 as a Member-At-Large, Hawaii did not have its own SWE section. The national organization of SWE wanted a representative from each state to attend the 1964 World's Fair in New York, and Mae served as the Hawaii delegate. She spent many years mentoring female engineering students and professionals, even before she served as a signer in 2011 endorsing the charter for the formation of the SWE-Hawaiian Islands section (SWE-HI), which would be the first professional section of SWE in Hawaii

The Society of Women Engineers is the world's largest advocate and catalyst for change for women in engineering and technology. The Society provides unique opportunities to network, develop professionally, and shape public policy. SWE inspires more than 30,000 members to reach their full potential as engineers and leaders. SWE champions the value of diversity by being the catalyst for change, as well as inspiring young girls to become engineers. SWE has a Hawaii presence both as a

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Mae (Nakatani) Nishioka was the only woman in the engineering college at the University of Hawaii.

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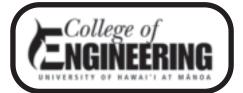
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EAH's new meeting location is Room 301 in the Topa Tower (Ewa tower on Fort Street; Old AMFAC Building). Validated parking is available (enter from Nimitz). The WEB site has been updated to provide directions and a Map. If you have questions please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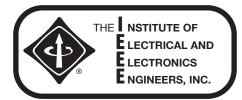
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NEXT ASME-HAWAII SECTION GENERAL MEMBERSHIP MEETING

Date: To be determined.

usually 5:30 pm to 7:00 pm Time: usually at HECO's Ward Ave Place: Cafeteria Conference Room

Agenda: To be announced.

As usual, all members are invited and encouraged to attend our meetings. There are always lots of complimentary pizza and soft drinks. Please contact incoming Chairman Froilan Garma for directions and for more information, such as parking within Hawaiian Electric's Ward Avenue facilities.

ASME PE EXAM REFRESHER COURSE **UPDATE**

Congratulations Matthew Komo, Darcy Marumoto and Derek Taguchi. They passed the April 2017 P.E. Exam. See their testimonials on the ASME-HI website showing the effectiveness of the ASME P.E. Exam Refresher Course.

2017 RAYTHEON MATHCOUNTS NATIONAL **COMPETITION REPORT**

This year's competition was held May 13-16, 2017 at the Hilton Orlando Lake Buena Vista, Florida. Results are shown on the MATH-COUNTS website (mathcounts.org/nationalcompetition). The National was a great experience for all Hawaii Team members, especially Michael Wong of Iao School, who wrote to us about his own experiences and thoughts as a MATHCOUNTS National Competition participant. He wrote:

"My heart was racing. The timer still had a few minutes left. I glanced at my test. Nothing on the last two pages was answered. I desperately tried to fill the questions in, using every second I had... and then the timer went off. That was just one moment of my MATH-COUNTS Nationals experience. I was fortunate enough to be one of the students representing Hawai'i and the only one from Maui. My teammates and coach, all of whom were from Washington Middle School, were very welcoming towards me. To start off our trip, we took a plane to Orlando, Florida and settled into our hotel rooms. After that, we did some studying to prepare for the competition. Eventually, the competition arrived and we were all anxious; I felt that the test was rather daunting. After completing the competition, we got to do some fun things in Florida. For one, we got to trade pins with other states, with each state having their own unique pin. We also got to visit the Kennedy Space Center, where we saw the Apollo 8 space shuttle. I think the Space

Shuttle was a metaphor for the National Trip in itself because of what it seemed to symbolize. It was so incredible it was hard to believe I was really there, just like the trip itself. Finally, we got to shop at Disney Springs and picked up some cool souvenirs.

MATHCOUNTS is a nationwide program with competitions on a district, state, and national level for middle schoolers. This year's National MATHCOUNTS competition was held in Orlando, Florida, at the Hilton Orlando Lake Buena Vista. There are 4 rounds; Sprint, Target, Team, and Countdown. The Sprint and Target rounds are done individually, and the Team Round is done by the state's teams. The 12 students with the highest individual scores (calculated by combining the Sprint and Target scores) partake in the Countdown Round, which is like Jeopardy meets MATHCOUNTS. A lot of the competitors in the Countdown Round were insanely fast. The top three teams were Texas, New Jersey, and California.

But the trip was more than just a vacation. For one, it was a testament to the reward of hard work. I had spent three years trying to get to that point, and it was so gratifying to be rewarded in such a big way. Second, it taught me a lesson in humility. In Hawai'i, I was in 2nd place, but at Nationals, I was surrounded by students who were smarter than me. So the takeaway here is that no matter how good you are at something, you should always strive to be better, because there will always be people who are more skilled than you. Finally, I would like to thank my coaches, my teammates, our trip coordinators, the HSPE and their sponsors, and the MATHCOUNTS Foundation and their sponsors for making this trip possible."



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http://hawchapter.cmaa.org

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DIRECTOR: Jeff Člark (Flour)

CMAA Hawaii Chapter News:

Aloha CMAA Hawaii! Can you believe that it's August already? As part of our Summer program, CMAA Hawaii hosted our bi monthly luncheon event on Thursday July 20th at Dave and Buster's in Kaka'ako and featured guest speaker Karin L Holma; a partner with Bays Lung Rose & Holma who spoke on the topic of Mechanic's Liens.

Also in early August, we held the 2017 Professional Construction Management (PCM) class; which was a great success- thanks to our instructors Norman Takeya (Also the CM professor at HCC) and Richard Panos- who visited from the mainland to instruct- once again we had a great turnout and are now expecting to see our Hawaii CCM numbers jump as these graduates take their CCM exams

We have closed the application period for the CMAA Hawaii 2017 Scholarships, and next month, CMAA Hawaii will award 2 scholarships for \$1000 each to 2 deserving full time undergraduate students currently enrolled at Community College or other Honolulu Universities who are interested in or pursuing a major/minor in Construction Management, or a dependent of an active CMAA Hawaii Chapter/Student Chapter member who has been accepted to attend a university or college and is interested in Construction Management with a cumulative GPA of 3.0 or higher.

Coming up in October, our chapter will host our 6th Annual CMAA Golf Tournament benefitting our scholarship recipients and funding our other Chapter activities. Please plan to join us Friday Oct 27th, 2017 at the Ewa Beach Golf Club for this event and stay tuned for more information via our Email blasts! We would love for you to be a part of the excitement that is CMAA Hawaii. 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,

Looking for a CCM? The current listing for all CCMs can be found here: https://cmaanet.org/certified-constructionmanagers-registry.



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

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PREVIOUS BOD MEETING

July 5, 2017

General Membership Meetings/Technical Seminars/Events

For all events see seaoh.org or look for email flyer for registration.

- SEAOH Annual Convention August 25 and 26, 2017, Aulani Resort & Spa.
- CRSI Seminar Economical Concrete Buildings: Seismic Detailing – September 2017, details to be announced.
- SEAOH Golf Tournament October 13, 2017, Hoakalei Country Club, details to be announced.
- AISC Seminar Bracing Connections and Related Topics – October 2017, details to be announced.

New Member Applications

Applications for the following individuals have been received and are open for comments from the membership: Kelli Oura for Associate Member, and Christopher Wise for Associate Member.

Nominating Committee has been appointed to come up with a slate of candidates for next year's Board. The committee consists of Jeff Hanyu, Jonathan Murai, Jeoffrey Cudiamat, Akira Usami, and Kevin Galvez. Please contact Jonathan Murai if you are interested in serving on the Board.

Scholarship application for members or children of members is available on the website. SEAOH will award up to three \$3,000 scholarships to students furthering their education in structural engineering. Applications must be postmarked by September 13, 2017. The funds for the scholarship are primarily generated by the annual golf tournament so member firms are urged to participate by entering a team or donating prizes.

BASE Wins Top Post-Tensioning Institute Award

Congratulations to SEAOH members Steven Baldridge and Fernando Frontera from Baldridge & Associates Structural Engineering (BASE), who were recognized for their work on The Ritz-Carlton Residences Waikiki Beach, Phase 1 project which received Post-Tensioning Institute's 2017 Project of the Year award. The PTI awards are given biennially and



recognizes projects worldwide for excellence in its application of post-tensioned concrete.

Next Meeting on August 2, 2017. For information, contact SEAOH President; Jonathan Murai *jmurai@kaihawaii.com.*



HONOLULU POST

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July 12, 2017 Lunch Meeting Presentation Topic: Reducing Risk and Uncertainty in

Complex Projects

Synopsis: Many government agencies know that formal risk management programs are not a luxury; they are a project necessity. By implementing risk management techniques, owners have seen tangible and significant cost and time savings. Through this presentation, you will learn the value of mandating risk management in every project execution plan. The session incorporates real life examples from domestic and overseas projects for public sector clients exceeding \$1 billion.

Presenters: Mairav Mintz, PE, CCM, Senior Vice President, Project Executive, MBP AND Sagar Khadka, CCP, PSP, DRMP, Director, Project Risk Management Services, MBP

Ms. Mairav Mintz brings more than 24 years of construction project and program management (CM/PM) experience, including risk management, critical path method (CPM) scheduling, earned value management, commissioning, change management, delay analysis, claims analysis and disputes resolution. She has served as project executive on high profile construction projects in complex risk environments

Mr. Sagar Khadka has more than 25 years of construction experience with public and private sector firms on a broad range of project types with construction values exceeding \$1 billion. He is experienced in risk management, Critical Path Method (CPM) scheduling, and cost control and analysis. Mr. Khadka also serves as the Committee Chair for the Decision and Risk Management Professional (DRMP) certification with the AACE International Certification Board.



2017-2018 ITE Officers

President: Chad Kadokawa

ckadokawa@wilsonokamoto.com

Vice Pres.: Claire Fukuoka cfukuoka@atahawaii.com
Sec./Treas.: Cristina Rodriguez crodriguez@atahawaii.com

The ITE Hawaii Section will be hosting their monthly meeting on Wednesday, August 2, 2017 at Austin, Tsutsumi & Associates Inc. at 11:45 AM. Ms. Lori McCarney, Executive Director of Bikeshare Hawaii, will speak on the Biki Update. Please email crodriguez@atahawaii.com if you are interesting in participating in this event.



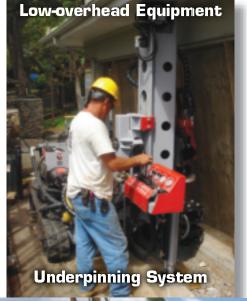
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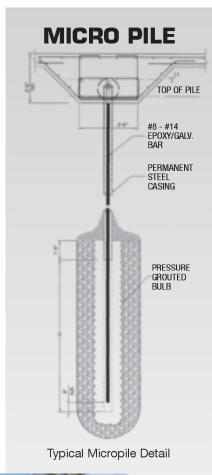
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MICRO PILES As defined in FHWA-RD-96-016 "Micro-piles are small diameter drilled and grouted reinforced piles used for both structural support and insitu earth reinforcement." Typically less than 10" in diameter, allowable design capacities frequently exceed 100 kips and our crews have performed testing in excess of 225 kips or over 100 tons. Micro-piles are frequently used where a deep foundation system is required in difficult substrata conditions, or where driven piles or large diameter systems are impractical due to subsurface obstructions, or limitations presented by existing buildings at or adjacent to the project site.

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Hawaii Section - Younger Member Forum Web site: http://www.ascehawaii.org/ymf.html

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YMF General Meeting

The next YMF general meeting is scheduled for Wednesday, August 2, 2017 at 6:00 pm at The Yellow Cab Pizza Company. 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.

Kaneohe-Kailua Sewer Tunnel Tour By Norman Leong, YMF President

On Saturday, June 24th, 21 total YMF members and AWWA/HWEA YP members attended the Kaneohe-Kailua Sewer Tunnel Tour. We got started with a quick presentation about the project and then took on a walking tour around the site. Hope everyone enjoyed themselves and thank you to Bowers+Kubota for allowing us the opportunity to tour the facility!

Teams warmed up with a few friendly games before starting a single elimination bracket tournament to fight for first place. After four rounds of competitive play "Borderline Engineers" took the first place and second place went to "Arrowstotles". The first and second place teams were awarded with an Archery Tag Hawaii gift certificate and a fashionable gold ASCE pin. Over 75 people participated in this event to fundraise enough money for an end of the year social. More details to come!

ASCE YMF Job Shadow Program

Most students will often go through school having little to no knowledge of what the work environment will be like once they graduate college and enter the workforce. The ASCE Hawaii Section YMF Job Shadow Program offers students the opportunity to spend a few hours with working professionals to gain a better understanding and valuable insight into the civil engineering work environment. Students will follow and observe professionals at work while learning about the various aspects of civil engineering. While hosting students, professionals will be able to share the various responsibilities, duties, and experiences within civil engineering. For more information regarding the ASCE Hawaii Section YMF Job Shadow Program and/or if your company is interested in hosting students in the program, contact Brandon Uejo at buejo@ascehawaiiymf.org



Archery Tag Social

On Sunday, July 9th, 2017, YMF members and recent University of Hawaii graduates participated in an afternoon Archery Tag competition. Participants were divided into 10 teams of 6 to 9 members.



2016-2017 ASCE Hawaii Section Officers

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email: jkage@ascehawaii.org Secretary: Dayna Nemoto-Shima, P.E. email: dnemoto@ascehawaii.org

Past Pres.: Ben Rasa PF email: brasa@ascehawaii.org

YMF Pres.: Norman Leong, P.E.

email: nleong@ascehawaiiymf.org

August DINNER MEETING

The speaker for the August Dinner Meeting will be Mark Merrifield, Director for the Center for Coastal Climate Science at the University of Hawaii at Manoa. The date and location for the August Dinner Meeting are currently being finalized. Please visit www.ascehawaii.org for updates.

EXECUTIVE COMMITTEE MEETING

Last held: Tuesday, July 11, 2017 Next meeting: August 2, 2017

INFRASTRUCTURE REPORT CARD

Hawaii is the only one in Region 8 that does not have a state report card. If you would like to help create one for Hawaii, please contact Tim Goshi, tgoshi@ascehawaii.org.

CONTINUING EDUCATION

Please visit http://www.ascehawaii.org/links. html and click on ASCE National for complete details.

ASCE HAWAII SECTION STUDENT SCHOLARSHIPS

Please help us increase our scholarship endowment so that we can recognize deserving students. We continue to accept taxdeductible donations with the goal of increasing the annual scholarships. Make your check payable to 'ASCE Hawaii Section' and mail to: ASCE Scholarship Committee, P.O. Box 917, Honolulu, HI 96808-0917. If you have any questions, please contact Glenn Miyasato at 488-7579, or gmiyasato@ascehawaii.org.

ASCE JOB LISTINGS

The following job listings are currently posted on the ASCE Hawaii Section website:

- · Assistant Program Administrator City and County of Honolulu
- Civil Engineer V (Geotechnical) City and County of Honolulu

continued on page 7





Hawaii Section 2017-2018 OFFICERS

www.aacehawaii.com

Maelyn Uyehara Vice Pres. Christopher Kanae Secretary Kristy Kastner, PSP

Treasurer Cristo Rojas

Joseph Uno, CCP, LEED AP BD+C Dir Soc. Med.

David Ladines Past Pres.

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

TOP REASONS, from page 1

has been held at Palm Springs, California. It is condensed to two and a half days showcasing similar presentations with the very latest in project controls tools and techniques. The AACE Hawaii Section sponsored \$500 for one member to attend the 2017 Western Winter Workshop.

Networking

In closing, people often ask the questions -"Why should I join?" and "What's in it for me?" The responses are a wide range among professions. For me, I attended my first professional organization meeting and obtained an internship. This internship turned into a fulltime job upon graduation with benefits to pay for my graduate school.

Networking and communicating is not easy for most. However, by regularly attending professional organization events it strengthens relationships with colleagues in your industry. I recommend being active within the HCES, find your niche, consider certification, and prosper.

AACE Hawaii Section

The local section was originally established in 1973. It achieved both the Platinum and Gold Award for three consecutive years 2014-2017. Our local area continues to achieve CCP, CEP, CST and PSP certifications. For please information. visit http://web.aacei.org/certification and www.aacehawaii.com.



Society of Women Engineers

Hawaiian Islands

SWE - Hawaiian Island Section P.O. box 61728 Honolulu, HI 96839 Swe.hisection@gmail.com

Executive Committee:

Chancy Hopper ArdentMC President: Vice Pres · Tiffany Au Secretary: Chi Jow Anita Lenk Treasurer: Section Rep.: Kristen Yoshida

SWE Scholarship, from page 1

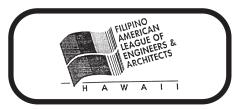
professional section and a student section at the University of Hawaii at Manoa. Together, SWE members in Hawaii have put on a multitude of education and outreach events for K-12 students, created networking and mentoring events for members, and given members the opportunity to attend the large SWE conferences that that have grown to over 12,000 attendees representing 23 countries. The SWE-HI section hosted a very successful regional conference at the Sheraton Waikiki in 2012 showcasing Hawaii's businesses, colleges, and engineers, as well as bringing the national and international field of engineering to Hawaii for its members and the community to grow

In recognition of and gratitude for Mae's contributions to inspiring other women to pursue engineering as a career, SWE-HI is leading an effort to create the Mae Nishioka Scholarship. With a one-time fundraising goal of \$30,000, this scholarship fund will create a legacy to benefit future generations of Hawaii engineers. Donations can be made to the Mae Nishioka Scholarship fund by submitting a check to the "Society of Women Engineers - Hawaiian Islands" with the notation of "Scholarship fund". Checks can be mailed to SWE-Hawaiian Islands, P.O. Box 330708, Kahului, HI 96733. Your donations are tax deductible. Please con-Kristen Yoshida at kvoshida@ bchdesign.com with any questions.

ASCE, from page 6

- Civil Engineer V City and County of Honolulu
- Mechanical Engineer V City and County of
- Design and Construction Branch Chief City and County of Honolulu
- Junior Engineer GPRM Prestress
- Civil Engineer Group 70
- Project Manager Group 70
- Senior Geotechnical/Geological Engineer Hart Crowser
- Project Geotechnical/Geological Engineer Hart Crowser
- Project Kennedy/Jenks Manager Consultants
- Staff Office) Engineer (Honolulu Kennedy/Jenks Consultants
- Engineer (Hawaii Offices) Kennedy/Jenks Consultants
- Principal Project Control Engineer/Specialist, AIRPORT - Parsons
- Civil Engineer V SSFM International
- Structural Engineer IV SSFM International

For further information on these job listings or to find out how you can post job openings in your company on this website, please visit http://www.ascehawaii.org/job-listings.html.



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

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