

# wiki to hawaii

## ENGINEER OF HAWAII

VOL. 55 NO. 3

SERVING 2000 ENGINEERS & LAND SURVEYORS

MAY, 2019

***"To stimulate women to achieve their full potential as engineers and leaders, expand the image of the engineering profession as a positive force in improving the quality of life, and demonstrate the value of diversity."*** This is the mission of the Society of Women Engineers (SWE), a global organization serving over 40,000 members. The SWE Hawaiian Islands (SWE-HI) Professional Section has made great strides to demonstrate this mission in Hawai'i since its chartering in 2012.

To stimulate women to achieve their full potential as engineers and leaders, SWE-HI holds regular professional development and career management events, workshops, and webinars. SWE-HI recently held two events in collaboration with the SWE University of Hawaii at Mānoa (SWE-UHM) Collegiate Section on the topics of "Internships – Where to Find Them; Interviews – How to Ace Them; Fulltime Positions – How to Transition into Them" presented by Sarah Leony (Oceanit) and "Dancing the Fine Line Between Art and Science: Inspiring Wholesome Career Development" presented by Andrea Mansfield (Oceanit).

SWE-HI also strives to support members to achieve their full potential by recognizing them for their excellence and commitment. On April 6, 2019, two of the founding members of SWE-HI, Pearl Yamaguchi (Medtronic) and Kristen Yoshida (Belt Collins Hawaii LLC), were honored with WE Local ELITE and WE Local New



**Kristen Yoshida received the WE Local New ELITE Award**

Both were also recognized for their continuing dedication to SWE's mission – striving to highlight the impact and importance of women in engineering across the globe, leading by example, and demonstrating that a career in engineering can be a fulfilling, rewarding pursuit for people of all genders and of any background.

SWE-HI has focused on expanding the image of the engineering profession this year by fundraising for the Section's first scholarship which will honor the memory of Mae Nakatani Nishioka. Mae was many things. She was the first woman to graduate with an engineering degree from the University of Hawai'i (UH) and to receive a Professional Engineer (PE) license in Hawai'i. She was an engineer with an accomplished and decorated career. She was the 2017 HCES Lifetime Achievement Award recipient. She was a mother and grandmother, a SWE member for over 50 years, and a mentor and role model for SWE members and UH students. She also signed the SWE-HI charter which began the first Professional SWE Section in Hawai'i in 2012. The SWE-HI fundraising campaign has received much support from Mae's family and friends, local engineering firms, and the SWE 'ohana. Mae's story was also featured in the Honolulu Star Advertiser ("Honoring the Legacy of Mae Nishioka" by Lee Cataluna) in July 2018 and the Hawaii Herald

ELITE (Emerging Leader in Technology & Engineering) awards, in Bellevue, Washington. This is a prestigious honor by SWE, one that recognizes women engineers who have been actively engaged in an engineering or technology profession and have proven their technical excellence as well as leadership within their community.

(Women's History Month "Mae Nishioka: An Engineering Trailblazer" by Kristen Nemoto) in March 2019.

To demonstrate the value of diversity and inclusion, SWE-HI officers attended workshops at SWE conferences to learn to be even more inclusive of gender identity and ethnicity through the use of language at meetings and events. SWE-HI installed its first Hawaiian Culture Liaison, who will educate officers and members on aspects of Hawaiian culture. The Section also co-authored a proposal for a SWE-HI Asian Affinity Group in SWE.

This month, SWE-HI will host its first diversity and inclusion discussion on **"More Work to Do in STEM for Diversity and Inclusion – A Conversation on Underrepresented Genders"** in Honolulu, May 25, 2019 from 8:30 AM – 12:00 PM. Speakers will present topics including the mahu gender role in the Hawaiian culture, advancing nonbinary and transgender engineering students, and diversity and inclusion efforts in SWE. Registration link will soon be available on the SWE-HI website <http://hi.swe.org>.

This year has been a blast with many events, activities, and memories. Thank you for supporting the SWE Hawaiian Islands Section and our mission!



**Pearl Yamaguchi receives the WE Local ELITE Award from Rachel Morford, SWE Director of Advocacy**



**Cristina Nishioka and Cookie Corner owner, Angus McKibbin, present a check to SWE-HI treasurer, Kristen Yoshida, and SWE-UHM officers, Danielle Young, Kaila Foltz, and Kevin Williams**



**SWE-HI passed out flowers and notes for scholarship fundraising at SWE's annual conference, WE18**



**SWE-HI members and friends at WE Local Bellevue, WA**



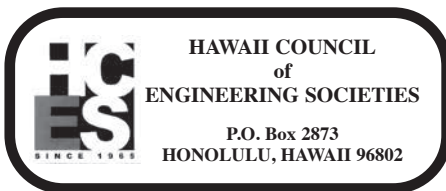
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**WILIKI MAILING LIST**

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.



HOME PAGE: [hceshawaii.org](http://hceshawaii.org)  
EMAIL: [hcesorg@gmail.com](mailto:hcesorg@gmail.com)

**2018-2019 OFFICERS**

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Secretary: Roger Babcock  
Treasurer:

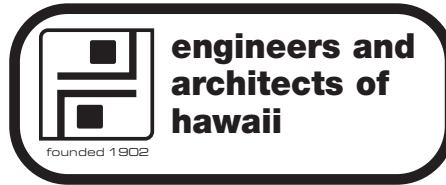
SOC	Representative	Alternate
AACE	J. Uno	
ACECH	M. Adolpho	
APWA	R. Char	
ASCE	E. Arakawa	
ASHRAE	D. Kishi	B. Lee
ASME	F. Garma	
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SAME	L. Wong	
SEAOH	K. Hashimoto	
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SWE	K. Yoshida	
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Sec./Treas.: Jennylin Tapat  
[JTapat@wilsonokamoto.com](mailto:JTapat@wilsonokamoto.com)

**Meeting Announcement**

Please join us at our next Section meeting.  
Date: Tuesday, May 21, 2019  
Location: Frank Fasi Municipal Building, 3rd Floor, 650 South King Street, Honolulu, HI 96813



**P.O. Box 1901, Honolulu, HI 96805-1901**  
**An association for Hawaii's Engineers and Architects**

WEB address: [www.eahawaii.org](http://www.eahawaii.org)**EAH 2018- 2019 Officers**

President	Howard Wiig	587-3811
1st V. P.	Open	
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Director	Bill Brizee	523-9636
Director	Phil Blackman	282-7948
Director	Rob Kinslow	
Past President	Dave Martin	543-4504

**May EAH Friday Noon Lunch Meetings: May 3 and May 17 Room 301 Topa Tower**

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!!

**EAH Meeting Notes – Mar 6, 2019**

**Speakers: Duane Kurisu -- aio & Joel Yuen - InSynergy**

**Subject: "KAHAUIKI VILLAGE – POWERING THE NEXT GENERATION"**

Duane Kurisu was first to speak and talked about all the coordinated efforts it took to complete the Kahauiki Village project. The State was the first to provide lease free land for the site. Next came all the design efforts by the architects and engineers which were provided Pro Bono. The City waived the permitting, but the designer and contractor obtained permits anyway. Not all materials were free, but all the contractors provide some free labor and material and there were volunteer groups providing free labor. Duane showed a tear-jerker video of the thankful new residents moving in. One of the big efforts was by InSynergy the electrical and mechanical designer who designed the village to be off grid. The micro-grid has PV and batteries that can provide 100% of the village's demand. There is a connection to the grid for charging the batteries but so far they have not had to recharge from the grid.

**EAH Meeting Notes – Mar 22, 2019**

**Speaker: Mike Hunnemann - KAI Hawaii**

**Subject: "CLEAN WATER RINSE RACK AT AIR STATION BARBERS POINT"**

Mike Hunnemann gave an excellent presentation on the clean water rinse rack at the US Coast Guard Barbers Point Air Station, which is used to rinse their C-130 airplanes and H-65C helicopters. Previously the planes had to be hand washed with mops on extended poles. Now the plane or helicopter taxi through the Rinse Rack after each landing. This significantly reduces corrosion due to Hawaii's salty environment.

Guest Speaker: Todd Boulanger, Executive Director of Bikeshare Hawaii

Topic: Biki Update--A Year Later

If interested in attending, please email Jenny at [jtpat@wilsokamoto.com](mailto:jtpat@wilsokamoto.com).



P.O. Box 31218, Honolulu, HI 96817

Web page: [www.samehonolulu.org](http://www.samehonolulu.org)**SAME Honolulu Officers and Directors**

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Director, Nominations	Robin Cababa
Director, Pacific Industry Forum	Jeff Clark
Director, Readiness	Lance Lum

**2019 SAME Honolulu Pacific Industry Forum****and Icebreaker Reception, May 13-14, 2019**

SAME Honolulu Post will hold its annual Pacific Industry Forum and Icebreaker Reception that are open to all SAME sustaining and individual members as well as non-members.

**Date/Time:**

Icebreaker Reception: May 13, 2019 | 5:00 pm – 7:00 pm

Pacific Industry Forum: May 14, 2019 | 7:30 am – 3:00 pm

**Location:**

Icebreaker Reception: Gordon Biersch Honolulu

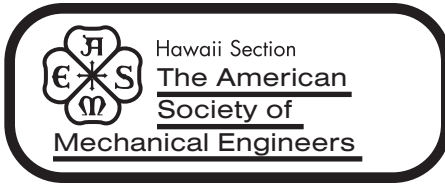
Pacific Industry Forum: Ala Moana Hotel

The sponsorships from the Pacific Industry Forum will support SAME Honolulu Post's scholarship program, construction camps, and youth outreach programs for Hawaii students pursuing their education in engineering or architecture.

The **2019 Pacific Industry Forum** will bring SAME sustaining and individual members, non-members, and senior leaders from the Federal, State and County Governments for program briefings, a luncheon, and small business networking opportunities.

To register, visit SAME Honolulu homepage at [www.samehonolulu.org](http://www.samehonolulu.org).

For more information about the 2019 Pacific Industry Forum and Icebreaker Reception, email [info@samehonolulu.org](mailto:info@samehonolulu.org).



www.asme-hi.com

#### ASME-HI 2018-2019 Officers

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Past-Chair	Derek Sato	
	<i>derek.sato@hawaiianelectric.com</i>	
HCES Rep:	Froilan Garma	

#### HIGHLIGHTS OF THE APRIL 2, 2019 ASME-HI GENERAL MEMBERSHIP MEETING

The meeting was held in Holmes Hall, UHM, with the Francis R. Montgomery Design Competition the main topic of discussion. Thirteen teams (about 120 students) will be participating, location and time, HIB-110, May 3, 2019, 12 noon to 6 pm. With the three ME 482 instructing professors present, Drs A. Zachary Trimble, Zhuoyuan Sang, and Trevor Sorenson, changes to the competition format were discussed and approved. Changes included shortening the team oral presentation portion by 30 minutes and giving this time to the team interviews by judges. Second, allow equal time allotment for presentation regardless of team size, and third, provide general guidance to judges to provide equal time and attention to each project regardless of team size. With the three professors participating, the scoring sheet will be updated and improved with all their inputs. Four prizes will be awarded due to more than ten teams competing. Dr. Trimble will provide judges with team abstracts before the competition date.

Other discussions:

- o Student Section Report by Chris Li: Four students attended the ASME E-Fest, March 15-17, in California. The end of year social will be held April 27.
- o UHM DME Report by Dr. Sangwoo Shin: A professor addition was made to support the DME up-and-coming aerospace program. As known, the new Dean of the College of Engineering is Brennon Morioka, PhD. Civil Engineering.
- o Senior-Student Section Events: Considered is a "Pupu Social" for Senior and Student Sections. This event may be coupled with the Student Section professional networking events. Raymond Liu suggested doing "burger burn" event for informal networking, for senior and student members to meet, more than once a year.
- o Tours: It has been noted that the Serta Mattress tour was a great tour for professionals and students. It provided valuable insight into the capability of the manufacturing of goods in Hawaii. Need to better advertise and sell to the students so more will attend. Looking into planning another tour to Serta. Also thinking about another F-22 tour that may especially benefit the students.



Website: [hawaii.apwa.net](http://hawaii.apwa.net)

#### 2019 Officers

President	Rouen Liu
Vice-Pres	Tyler Sugihara
Treasurer	Aaron Couch
Secretary	Conor Bell
Past Pres	Ryan Char

#### National Public Works Week, May 19-25

National Public Works Week is traditionally sponsored and observed during the third full week in May. During May 19-25, the Chapter will maintain an exhibit of various recent public works projects to energize and educate the public on the importance of the contribution of public works to their daily lives.

This year's theme "It Starts Here" represents the many facets of modern civilization that grow out of the efforts put forth by the public works professionals across North America. What starts here? Infrastructure starts with public works, growth and innovation starts with public works, mobility starts with public works, security starts with public works, healthy communities start with public works. The bottom line is that citizens' quality of life starts with public works. APWA proudly honors the vital contribution public works professionals make every day, and it invites the public to celebrate these efforts and the indispensable influence they have on our everyday life.

Instituted as a public education campaign by APWA in 1960, the Week calls attention to the importance of public works in community life. Through the Week and other efforts, APWA seeks to raise the public's awareness of public works issues and to increase confidence in public works employees and professionals who are the often-unsung heroes of our society. Additional information may be found at [www.apwa.net](http://www.apwa.net).

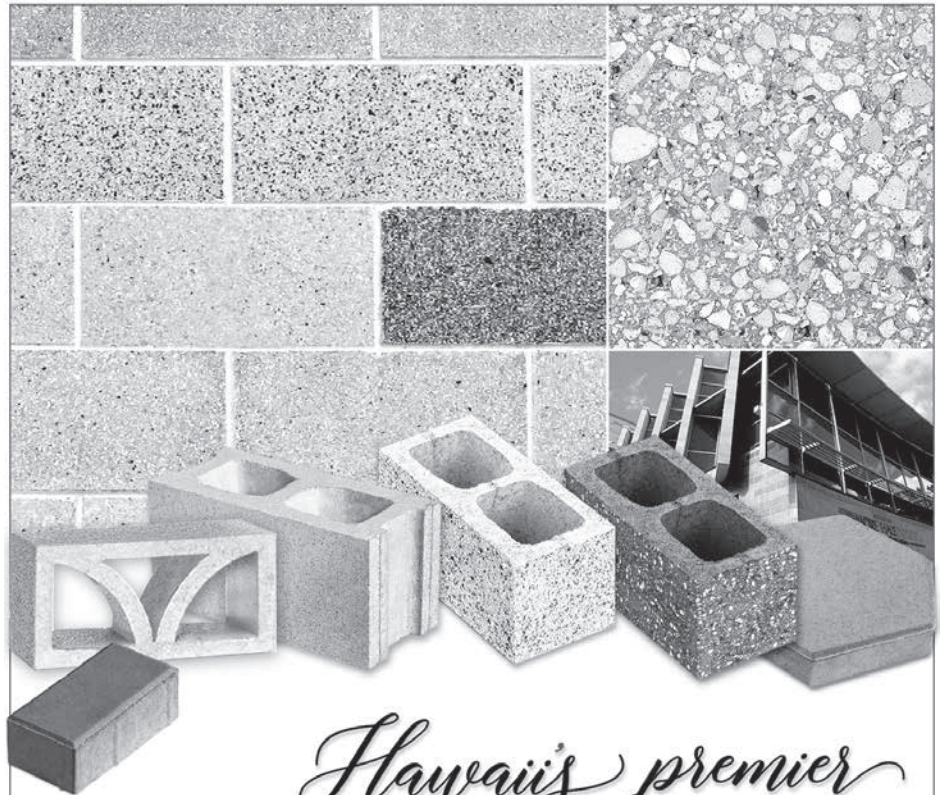
#### Hawaii Public Works Conference – May 24

Registration is now open for the inaugural Hawaii Public Works Conference which will be held Friday, May 24, at the Daniel K. Inouye International Airport, Interisland Terminal Conference Rooms (7th floor, Terminal 1). Contact Jon Young at [jon@hawaiiasphalt.org](mailto:jon@hawaiiasphalt.org) or 808-847-4274 for more information.

#### Annual Education Fund Golf Tournament

The 26th Annual Education Fund Golf Tournament was held April 5, at the Ala Wai Golf Course. Golf Committee Chair Rouen Liu extends a big mahalo to all participants and volunteers for yet another successful event. Proceeds will sustain the Chapter's education fund which provides annual monetary awards at the State Science and Engineering Fair and annual partial scholarships towards higher education.

**Deadline for  
*Wiliki*  
is May 15th**



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#### 2018-2019 ASCE Hawaii Section Officers

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email: [earakawa@ascehawaii.org](mailto:earakawa@ascehawaii.org)  
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Immediate Past Pres: Lara Karamatsu, P.E.  
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YMF President: Nicole Nakakaoka, P.E.  
email: [nnakaoka@ascehawaiiyymf.org](mailto:nnakaoka@ascehawaiiyymf.org)

#### EXECUTIVE COMMITTEE MEETING

Last held: Apr 2, 2019

Next meeting: May 2, 2019

#### ASCE HAWAII SECTION DINNER MEETING Program: T.B.D.

Check our website at [ascehawaii.org](http://ascehawaii.org) for updates and an email will be sent out to membership with more information.

#### Speakers: T.B.D.

**Date:** Thursday, May 23rd

**Location:** HASR Bistro

**Time:** 5:30pm Social Time  
6:30pm Dinner  
7:00 Program

**Menu:** Multi-entrée buffet

**Cost:** \$35.00 for ASCE Members  
\$40.00 for Non-Members and Guests  
\$20.00 for ASCE Student Chapter Members

#### COMMITTEE POSITIONS

ASCE Hawaii is looking for volunteers to fill the following committee positions: History & Heritage Chair, Advocacy Captain, and Student Practitioner Advisor. If you are interested or have questions on any of these positions, please contact President Eric Arakawa, [earakawa@ascehawaii.org](mailto:earakawa@ascehawaii.org).

#### MEMBERSHIP

If you haven't already done so, please renew your ASCE membership. You can renew your membership at [www.asce.org](http://www.asce.org).

#### ASCE JOB LISTINGS

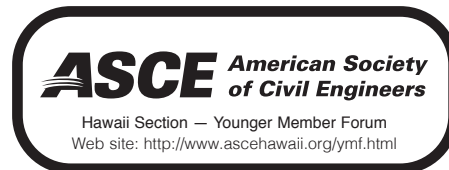
The following job listings are currently posted on the ASCE Hawaii Section website:

- **Booz Allen Hamilton** (Senior Civil Engineer and Wastewater Specialist)
- **City and County of Honolulu** (Civil Engineer V (Geotechnical), Civil Engineer III, V, VII, Mechanical Engineer V)
- **HartCrowser** (Geotechnical Engineers – Principal Level & Project Level)
- **Kennedy/Jenks Consultants** (Project Manager, Staff Engineer for Honolulu Office and Staff Engineer for Hawaii Office)
- **Nagamine Okawa Engineers Inc.** (Structural Engineer)
- **PGH Wong** (Change and Claims Manager, Change and Claims Specialist, Civil/Building Inspector, Office Engineer, Scheduler)
- **SSFm** (Civil Engineers V, Structural Engineer IV)
- **US Army Corp of Engineers** (USACOE)

(Interdisciplinary Project Manager, GS-12)

• **Zane & Associates, LLC** (Facility Planners)

For further information, please visit <http://www.ascehawaii.org/job-listings.html>.



#### 2018-2019 YMF Officers

Nicole Nakakaoka, President  
[nnakaoka@ascehawaiiyymf.org](mailto:nnakaoka@ascehawaiiyymf.org)  
Kapiolani Street, Vice President  
[kstreet@ascehawaiiyymf.org](mailto:kstreet@ascehawaiiyymf.org)  
Carly Kaneko, Treasurer  
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Claire Fukuoka, Secretary  
[cfukuoka@ascehawaiiyymf.org](mailto:cfukuoka@ascehawaiiyymf.org)  
Jordan Urabe, Past President  
[jurabe@ascehawaiiyymf.org](mailto:jurabe@ascehawaiiyymf.org)

#### YMF General Meeting

The next YMF general meeting is scheduled for Wednesday, May 1, 2019 at 6:00 pm at Lisa's House (Bar) in Kalihi. 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](mailto:ymf.hawaii@gmail.com).

#### Golf Outing

On Sunday, March 31st, YMF held a driving range outing at the Newtown Driving Range in Aiea. Eleven YMF members attended, helped each other out with tips to improve their skills, and also played a little game of who could get their ball closest to different stakes/objects out in the range. Overall, everyone enjoyed the beautiful afternoon refining their golf skills and networking with other engineers. Thank you to all who participated in this event and much mahalos for the second time comers. Please keep checking the next YMF website for information regarding the next YMF Golf Outing!



#### CCMAA Hawaii Chapter

<http://cmaahawaii.org>

#### 2018-2019 Board

President	Ranelle Ho (SSFm)
Vice President	Kelly French (Jacobs)
Secretary	Gregg Kodama (Brett Hill Management Group)
Treasurer	Emily Boirum (Bowers + Kubota)
Chapter Past President	Brook Corney (CH2M)

#### CMAA Hawaii Chapter News:

Aloha CMAA Hawaii!

CMAA pau hana was held on April 24th at Aiea Bowl. It was awesome and if you weren't able to come, there is always the next one.

#### UHCOE Professor Awarded National Honors



Professor Amarjit Singh was awarded the American Society of Civil Engineers' 2019 *Construction Management Award* at the annual ASCE Construction Institute Summit in Atlanta, Georgia. This prestigious award is given once a year for "innovation and research aimed at improving construction around the globe."

Awarded by a large field of accomplished professionals and researchers, this accolade is granted once a year on the basis of outstanding contributions to the field of construction management as a practitioner, educator, or researcher either in the form of written presentations, scholarly work, or notable performance.

Previous recipients of this award include pioneers like John Fondahl—for his discovery of the Critical Path Method—and Robert Peurifoy—whose work revolutionized the field of Construction Management.

Dr. Singh was chosen for his many achievements in different countries, his publications on innovative and pioneering topics, and his cutting edge research on mitigating wave energies in harbors and monitoring distress in airport pavements.

Dr. Singh is also the recipient of nine *Best Paper* awards and was a 2009 recipient of the University of Hawai'i's highest teaching honor—the *Board of Regents Excellence in Teaching Medal*.

In addition to his present position as Professor of Civil Engineering, Dr. Singh is Cooperating Graduate Faculty in the Department of Public Administration, University of Hawai'i, Mānoa. He is also Editor-in-Chief of the *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*.

He earlier served as Chairperson of the Hawai'i Council of Engineering Societies, and Director at the University of Hawaii Professional Assembly. He was elected co-chair of the All Campus Council of Faculty Senate Chairs at the University of Hawai'i.

CMAA mini conference is on May 16, 2019 at Koolau Ballrooms. The committee has lined up some great speakers including CMAA National President Andrea Rutledge. The annual Scholarship recipient will be announced at the mini conference.

There will be a speaker luncheon scheduled in June.

The next PCM class will be scheduled for August 7-9, 2019. Classes will be held at HCC.

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](mailto: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>.

**2019-2020 Officers**

President: Scott McAdam  
*smcadam@honolulu.gov*  
 Vice Pres.: Jason Nikaido  
*jnikaido@honolulu.gov*  
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*Shelle.silva@honolulu.gov*  
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*jbaker@honolulu.gov*  
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 Nat. Delegate: Sheryl Nojima  
*snojima@grayhongojima.com*  
 Deleg-at-Lrg: Lance Manabe  
*lmanabe@fukunagaengineers.com*

**NEXT EXECUTIVE COMMITTEE MEETING**

May 15, 2019, 11:30am, CSM Baseyard – 99-989 Iwaena St

**NEXT QUARTERLY LUNCHEON MEETING**

Program: TBA – please visit [www.hwea.org](http://www.hwea.org)  
 Date: Wednesday, May 22, 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

Please make checks payable to: HWEA and mail to Hawaii Water Environment Association c/o Shelle Silva, CCH-ENV, 650 S. King, 14th Floor, Honolulu HI 96813. Reservations for the luncheon meeting to Shelle Silva by Monday, May 20, 2019, by phone at 768-8763 or email at [shelle.silva@honolulu.gov](mailto:shelle.silva@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](http://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@brwnald.com](mailto:tmyers@brwnald.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](http://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](http://www.hwea.org)) and see how you can get involved and contribute. Contact Roger Babcock: [rbabcock@hawaii.edu](mailto:rbabcock@hawaii.edu)

**Hawaii Section OFFICERS**

[www.aacehawaii.com](http://www.aacehawaii.com)

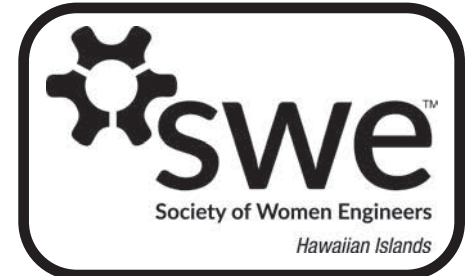
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On Friday, April 12th, 13 AAACE Members visited the HART West Loch Station in Waipahu, hosted by HDCC and HART.

Are you interested in exercising or building leadership skills? Do you know a colleague who could lend fresh perspective to a growing professional organization? We are currently seeking candidates to serve on the AAACE Hawaii Section Board of Directors with dynamic positions that offer opportunities for professional development, expanding your network and giving back to the local industry. If interested, please contact [aacehawaii@strongtie.com](mailto:aacehawaii@strongtie.com)

immediately for more information. Act now – elections for the June 2019 – May 2020 term will take place in May!

Come out and join us, bring a colleague, spread the word and become active. Your involvement will help us locally and can help to advance your career as well.



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