

Engineering students develop real-world solutions through industry-integrated courses

Students at UH Mānoa's College of Engineering don't just study theory and concepts – they roll up their sleeves and attack current challenges within our community. More and more, the college is pivoting to infuse industry-integrated courses into their four-year curricula, where, through the course of a semester, students are paired with local organizations to design and develop solutions to address actual problems.

Software development for enhanced check-in process

One such opportunity, the Community Innovation Mentorship Program (CIMP), was born through a collaboration between local company DataHouse, Transform Hawai'i Government, Hawai'i Technology Development Corp (HTDC), the State of Hawai'i Department of Agriculture, and the College of Engineering.

The program, under the umbrella of the TRUE Initiative, afforded a team of seven undergraduate computer engineering students the opportunity to tackle software development projects side by side with industry experts. The team started by utilizing tools and techniques to identify and refine problems, to which they then brainstormed and prioritized innovative solutions involving programming frameworks and methodologies, user authentication, technical architectural and database design, middle-tier business logic, and front end UI/UX frameworks.

Through the journey, the students were challenged to learn not just the technical skills of software development, such as JavaScript, Angular, Model-View-View Model (MVVM) software architecture and SQL database programming, but also the softer skills of working and collaborating in a team small enough to meet Jeff Bezo's "two-pizza team" ideal. The CIMP program allowed these students to practice effective collaboration, a crucial skill that all aspiring software engineers need to cultivate early in order to accelerate their careers, by working together to build a solution for a real client.

That client was the Hawai'i State Department of Agriculture's Animal Quarantine (AQ) unit, and the problem at hand was one that their inspectors, pet caretakers, and the many pet owners experienced on a daily basis: the inefficiencies of the animal check-in process. Over the course of five months, the CIMP Team developed a new check-in process and queuing method for the Animal Quarantine Airport Station, featuring two large monitors and an iPad-driven kiosk check-in station that allows the AQ staff to utilize electronic devices to visually guide the processing of pets and pet



Graduates of the first Community Innovation Mentorship Program.

owners.

Their solution also streamlined the staff's workflow with a new messaging system, providing a quicker means of communication between front inspectors and the back pet caretakers, and helped reduce pet owner anxiety by providing up-to-date information on their pet's status via an accompanying app. "It was encouraging to watch the successes and progress from the hard work of the UH students and mentors. The Community Innovation Mentorship Program works very well," said Dr Isaac Maeda, Administrator of the Animal Industry Division, which also includes the title of State Veterinarian of the Hawai'i Department of Agriculture (HDOA). The program concluded with a final team presentation and certificate ceremony at the Entrepreneurs Sandbox in Kaka'ako on May 18.

Machine learning for dental radiograph classification

At the graduate level, Dr. Il Yong Chun's spring course, Computational Image Processing and Computer Vision, afforded students from various engineering and computer science backgrounds the opportunity to understand industrial demands and challenges found beyond the textbook through a flipped-classroom approach, culminating in a project with Hawai'i Dental Service (HDS).

Students focused on areas such as image restoration, image segmentation, and pattern

recognition, using algorithms, statistical modeling, and artificial intelligence (AI) to achieve their outcomes.

"EE616 targets graduate students who want to understand the mathematical foundations underlying computational data science solutions in image processing and computer vision and then eventually develop new solutions," said Chun.

In a modified version of the flipped classroom approach, Chun provided students with partial lecture notes in advance of the class, encouraging more student engagement during the allotted class time.

The final project, in partnership with Hawai'i Dental Service (HDS), put to use the students' enhanced understanding of image pattern recognition and machine learning, allowing them to develop, train, and test AI systems that can identify dental radiographs by those that do and do not indicate dental disease. Such software could prove helpful in assisting dental insurers to identify inaccuracies in insurance reporting, among other applications.

In the end, the data from HDS was not suitable for the project at hand, so students utilized a publicly available dataset to develop AI models that would accurately classify the radiographs. Amongst the results of the seven class members, the most accurate solution performed the task correctly 87.5% of the time.



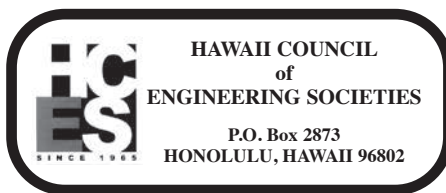
Published monthly by:

HAWAII COUNCIL OF ENGINEERING SOCIETIES

SERVICE PRINTERS, INC.
1829 Dillingham Boulevard • Honolulu, HI 96819
Telephone: (808) 841-7644 • Fax: (808) 847-1487
ADDRESS ARTICLES FOR PUBLICATION TO:
WARREN YAMAMOTO
1526-C Pukey Avenue • Honolulu, HI 96816
Telephone: 732-5216

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
EMAIL: hcesorg@gmail.com

2020-2021 OFFICERS

Chair: Donna Kishi
Vice-Chair: Roger Babcock
Secretary: Kristen Yoshida
Treasurer:

SOC	Representative	Alternate
AACE	J. Uno	
ACECH	M. Adolpho	
APWA	R. Char	
ASCE	E. Arakawa	
ASHRAE	D. Kishi	B. Lee
ASME	F. Garma	
EAH	S. Gillie	
FALEA	M. Stevenson	
HSPE	M. Kamaka	K. Kunimine
HWEA	R. Babcock	
IEEE	G. Torigoe	
ITE	W. Yamamoto	
SAME	L. Wong	
SEAOH	K. Hashimoto	
SFPE	S. Dannaway	
SWE	K. Yoshida	
UHM CoE	S.K. Choi	

College holds first virtual Order of the Engineer oath ceremony

Students disappointed by the cancellation of traditional convocation and commencement ceremonies were excited to participate in a virtual Order of the Engineer oath ceremony, a first for the UH's College of Engineering.

About three-quarters of the nearly 200 Spring and Summer 2020 graduates logged in on May 15 to participate in a Zoom ceremony that was also streaming on YouTube Live to roughly 400 viewers and recorded for viewing on demand. Speakers included Assistant Dean Song Choi, Dean Brennon Morioka, UH Mānoa Provost Michael Bruno, Professor Roger Babcock, and Engineering Alumni Association President Rodney Chong.

The graduates, some dressed in their graduation regalia, all recited the oath simultaneously through their home cameras and microphones, and later hollered and cheered as they transitioned from students to graduates and members of the professional

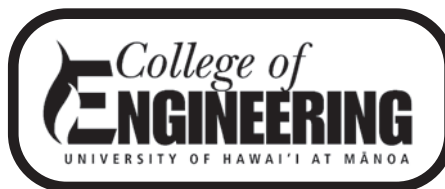
engineering community.

According to its website, the Order of the Engineer "was initiated in the United States to foster a spirit of pride and responsibility in the engineering profession, to bridge the gap between training and experience, and to present to the public a visible symbol identifying the engineer." All participants in the ceremony will receive the Engineer's Ring, a stainless steel ring worn on the fifth finger of the working hand that represents the engineer's professional obligation.



Students participating in the virtual Order of the Engineer Ceremony on Zoom.

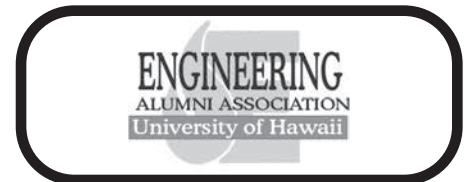
**Deadline for
Wiliki
is July 15th**



2540 Dole Street, Holmes Hall
Honolulu, Hawaii 96822

UHM College of Engineering Deans and Chairs

Dean Brennon Morioka
Int. Assoc. Dean David T. Ma
Assistant Dean Song K. Choi
CEE Chair Panos Prevedourous
EE Chair Wayne Shiroma
ME Co-Chair Lloyd Hihara and Weilin Qu
HAWTI Dir. Magdy Iskander



Po Box 12204 Honolulu, HI 96828
www.uhalumni.org/eaauh

EAUHU Board
President
VP
Treasurer
Secretary
Past Pres
Directors

Name
John Katahira
Stancher Mabellos
Ken Kawahara
Landon Sakai
Rodney Chong
Steven Cayetano
Ken Hayashida
Diane Kodama
Mike Magaoay
Neal Miyake
Derek Mukai
Martin Nakasone
Dayna Nemoto-Shima
Ross Okuda
Anthony Paresa
Landon Sakai
Wayne Shiroma
Jonathan Suzuki
Dennis Toba
Keith Uemura
Edward Yoshimura
Kyle Yukumoto
Jianna Orias

Stud.Dir.

College surpasses \$100K goal in virtual banquet fundraiser

Like nearly all events since the arrival of COVID-19, the UH Mānoa College of Engineering's 20th Annual Banquet that was to take place on April 22 never happened. The event – the college's largest event of the year that typically draws over 800 people – is traditionally the primary fundraiser for undergraduate student research projects, so its cancellation left students and staff alike nervous about limited funding and opportunities in the year to come.

Additionally, with massive cuts to the university's general fund and tuition revenues

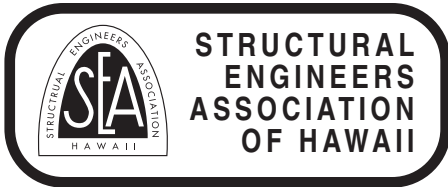
projected, student projects are expected to rely more on financial support from sources outside of the university, like the industry partners that typically contribute to the banquet.

But social distancing did not stop the college from taking its fundraising efforts online with a "virtual fundraiser." The team set a goal of \$100,000 from those industry partners by April 22nd, which would have been the date of the banquet, with all contributions being 100% tax deductible.

Thanks to the college's dedicated community of supporters, fundraising efforts exceeded this

goal by bringing in \$119,850, generated through over 50 unique gifts coming from both organizations and individuals in amounts ranging from \$50 to \$5,000.

"We truly appreciate every effort, big and small, to support the College in these uncertain times," said Dean Brennon Morioka. "These monies will allow us to fund next year's round of student projects and activities to continue fostering learning, innovation, and professional development within our student population."



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

2020 BOB OFFICERS AND DIRECTORS

President Danny Fujioka
dannyf@nagamineokawa.com

Vice President John Uno
john@mkellc.com

Secretary Jason Emoto
jasonemoto@gmail.com

Treasurer Kevin Galvez
kgalvez@baseengr.com

Director (Yr 2) Brandi Castillo
Brandi.castillo@navy.mil

Director (Yr 2) Kirk Hashimoto
kirk@ccpihawaii.com

Director (Yr 1) Rod Haraga
Rharaga.mih@gmail.com

Director (Yr 1) Lauren Tolentino
lauren@bondedmaterials.net

Past President Kevin Nakamoto
pukapig@yahoo.com

Honolulu Building Code

• The 2012 International Building Code was adopted into ordinance by the City and County of Honolulu on May 20, 2020. Enforcement of the new code by the Department of Planning and Permitting is expected to start approximately August 20, 2020.

Membership

- Michelle Goo of Wiss, Janney, Elstner Associates, Inc. has been approved as an Associate member.
- Brian Sekiguchi of Ronald N.S. Ho & Associates, Inc. has applied for Affiliate membership. Please contact any SEAHO Board Member by August 1, 2020 with comments regarding the application.

Next Meeting on August 5, 2020. For information, contact SEAHO President Danny Fujioka.



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

HSPE Officers for 2019-2020

President: Sara Doi
sdoi@bowersandkubota.com

Pres. Elect: Majella Stevenson
MujTravel@aol.com

Vice Pres: Irina Constantinescu
IConstantinescu@BrwnCald.com

Past Pres: Mike Lum
mlum@bowersandkubota.com

Secretary: Julann Sonomura
julann.m.sonomura@hawaii.gov

Treasurer: Kurt Kunimune
kkunimune@bowersandkubota.com

HOD '19-'21: Mike Silva
mike@femaui.com

Big Island Dir., NICET Chair '19-'20: Curtis Beck
curtbegood@mail.com



Hawaii Section 2019-2020 OFFICERS

www.aacehawaii.com

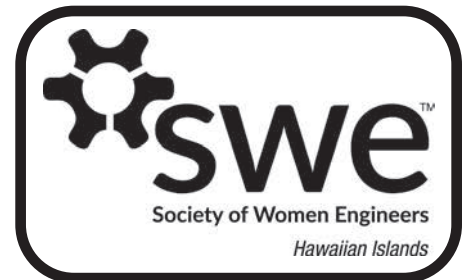
President Christopher Kanae
 Vice Pres. Will Sparks, PSP
 Secretary Yashaira Fletcher
 Treasurer Jeanette Roberts
 Dir. Soc. Med. Yong Shi, CCP
 Cont. on the Board of Directors Maelyn Uyehara (Past Pres.)

As a member of the Board of the Council of Engineering and Scientific Specialty Boards (CESB), AAACE International offers a range of certification levels from technician to professional to expertise level including CCT, CCP, CEP, EVP and PSP Certification Programs.

Congratulations to our newly elected 2020-2021 AAACE Hawaii Section Board:

President – Chris Kanae
 Vice President – Will Sparks, PSP
 Secretary – Yashaira Fletcher
 Treasurer – Jeanette Roberts
 Director of Social Media – Yong Shi, CCP
 Past President – Maelyn Uyehara

The local section, AAACE Hawaii, was originally established in 1973. It achieved both the Platinum and Gold Award for six consecutive years 2014-2019. Our local area continues to achieve CCP, CEP, CST and PSP certifications. For more information, please visit <http://web.aacei.org/certification> and our local website www.aacehawaii.com.



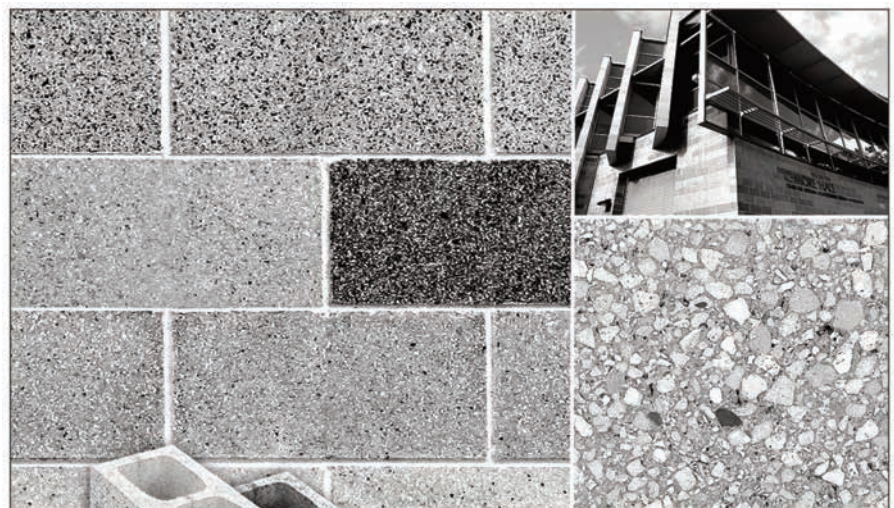
HOME PAGE: <http://hi.swe.org>
 EMAIL: swe.hisection@gmail.com
 Facebook: www.facebook.com/swe.hawaiianislands

2019-2020 SWE Hawaiian Islands (SWE-HI) Section Officers

President: Dian Nguyen, dungnguyen@gmail.com
 Vice President: Andrea Mansfeld, amansfeld@oceanit.com
 Treasurer: Kristen Yoshida, kristenhau@gmail.com
 Secretary: Chi Jow, cjow.swehi@gmail.com

The mission of the Society of Women Engineers is to empower women to achieve full potential in careers as engineers and leaders, expand the image of the engineering and technology as a positive force in improving the quality of life, and demonstrate the value of diversity and inclusion.

**YOUR AD
 COULD APPEAR
 HERE FOR
 \$235 A YEAR**



The timeless beauty of masonry block with a touch of modern elegance. A special grinding process reveals the natural beauty of the aggregates within.

THE
island groundstone
 COLLECTION

TILECO INC. 91-209 Hanua Street, Kapolei, Hawaii 96707
 P : 808.682.5737 | www.tilecoinc.com



2019-2020 ASCE Hawaii Section Officers

President: Jason Kage, P.E.
 email: jkage@ascehawaii.org
 President-Elect: Dayna Nemoto-Shima, P.E.
 email: dnemoto@ascehawaii.org
 Vice President: Clifford Lum, P.E.
 email: clum@ascehawaii.org
 Treasurer: Reyn Hashiro, P.E.
 email: rhashiro@ascehawaii.org
 Secretary: Eric Tomishima, P.E.
 email: etomishima@ascehawaii.org
 Immediate Past Pres: Eric Arakawa, P.E.
 email: earakawa@ascehawaii.org
 YMF President: Kapiolani Street, P.E.
 email: kstreet@ascehawaiiyymf.org

EXECUTIVE COMMITTEE MEETING

Last held: June 2, 2020
 Next meeting: July 9, 2020

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

The continued health and safety of our membership is our top priority and we will continue to monitor the COVID-19 pandemic. Future ASCE Hawaii events, including our section dinner meetings, are still temporarily on hold. We will keep you informed via e-blasts and/or notices posted on our website at ascehawaii.org when they will be scheduled. Please continue to stay safe, watch out for each other, especially our kupuna, and continue to be vigilant about best health practices.

Speakers: T.B.A

Date: T.B.A
 Location: T.B.A
 Time: T.B.A
 Menu: T.B.A
 Cost: T.B.D

COMMITTEE POSITIONS

ASCE Hawaii is looking for volunteers to fill the following committee positions: One (1) Student Practitioner Advisor. If you are interested or have questions on any of these positions, please contact President Jason Kage, jkage@ascehawaii.org.

MEMBERSHIP

If you haven't already done so, please renew your ASCE membership. You can renew your membership at www.asce.org.

ASCE JOB LISTINGS

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

- **AECOM** (Civil Engineer II)
- **Booz Allen Hamilton** (Senior Civil Engineer and Wastewater Specialist)
- **City and County of Honolulu** (Civil Engineer III, IV, V, Mechanical Engineer V, & Electrical Engineer V)
- **G70** (Civil Designer, Civil Engineer, Civil Project Manager, Construction Manager)
- **HDR** (Senior Civil Engineers, Senior Federal Project Manager, Project Manager – Transportation Group, & Water/Wastewater Engineer)
- **Hirata & Associates** (Geotechnical/Civil Engineer – Project Engineer)
- **Jacobs** (Civil Engineer)
- **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)
 - **Stantec** (Construction Compliance Monitor/Inspector, Document Configuration Specialist, Deputy Resident Engineer, Lead Engineer (Assistant RE), Lead Office Engineer, & Office Engineer)
 - **SSFm** (Civil Engineer V, Structural Engineer IV)
 - **US Army Corp of Engineers** (USACOE) (Interdisciplinary Project Manager, GS-12)
- For further information, please visit <http://www.ascehawaii.org/job-listings.html>.



2019-2020 YMF Officers

Kapiolani Street, President
kstreet@ascehawaiiyymf.org
 Carly Kaneko, Vice President
ckaneko@ascehawaiiyymf.org
 Claire Fukuoka, Treasurer
cfukuoka@ascehawaiiyymf.org
 Brandon Uejo, Secretary
buejo@ascehawaiiyymf.org
 Nicole Nakaoka, Past President
nnakaoka@ascehawaiiyymf.org

YMF General Meeting

The next YMF general meeting is TBD. Please be sure to check out our website and social media channels for the most updated information. If you are interested in attending and learning more about the various professional, social and service opportunities available through YMF, please contact YMF at yymf.hawaii@gmail.com.

Gimme Gimme COVID-19 Edition

On May 20th, 12 of our ASCE YMF members joined together on zoom for our first ever virtual social event, Gimme Gimme COVID-19 Edition. The participants readied themselves for an epic battle of Gimme Gimme to search their homes for more than 20 COVID-19

essential items, in order to win the prize! Shane made the biggest comeback of all time to secure his victory with four total points. The members shared some laughs and stories about their lives during quarantine and got some good exposure to socializing.

Thank you to all the participants for their positive attitudes during some dark times!



2019-2020 ITE Officers

President: Jennylyn Tapat
JTapat@wilsonokamoto.com
 Vice Pres.: Kelly Akasaki
Kelly.akasaki@honolulu.gov
 Sec/Treas: Jasmine Teramae-Kaehuaea
jkaehuaea@atahawaii.com

The 2020 ITE International Annual Meeting will be going virtual. The online meeting will be held on August 4-6, 2020. Registration is currently open. For additional information please visit the meeting website at: <https://www.ite.org/events-meetings/ite-virtual-annual-meeting-and-exhibition/>.

If you would like to be add to the ITE mailing list, please email Jasmine Teramae-Kaehuaea at jkaehuaea@atahawaii.com.



Website: hawaii.apwa.net

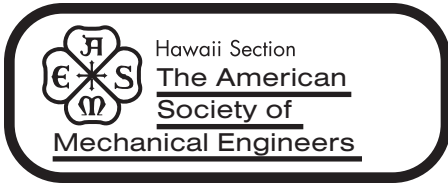
2020 Officers

President: Rouen Liu
 Vice-Pres: Tyler Sugihara
 Treasurer: Aaron Couch
 Past Pres: Ryan Char

WILIKI ADVERTISERS NEEDED

5" x 2" – (10□) \$64.00	2 ⁵ / ₁₆ " x 2 ¹ / ₂ " (6□) \$40.00	7 ¹ / ₂ " x 5" – (37 ¹ / ₂ □) ½ page – \$240.00
7 ¹ / ₂ " x 3 ⁵ / ₁₆ " – (25□) (½ page) – \$160.00	4 ⁷ / ₈ " x 2 ⁵ / ₁₆ " (11□) \$72.00	
2 ⁵ / ₁₆ " x 1 ¹ / ₄ " \$20.00		

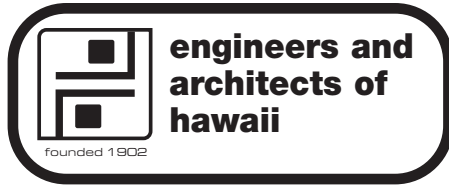
The price for the ads will be based on a 1¹/₄" x 2⁵/₁₆" module size which is 1/24th of the page, and be \$20.00 per month with a 15% DISCOUNT for a 6-MONTH RUN.



www.asme-hi.com

ASME-HI 2018-2019 Officers

Chairperson Froilan Garma 321-2691
Froilan.B.Garma@jci.com
 Vice-Chair Derick Kam
derickFPE@gmail.com
 Secretary Jason Frifeldt 358-6322
frifelj@yahoo.com
 Treasurer Kevin Dang 737-1708
dangk001@hawaii.rr.com
 Past-Chair Derek Sato
derek.sato@hawaiianelectric.com
 HCES Rep: Froilan Garma



PO. Box 1901, Honolulu, HI 96805-1901
An association for Hawaii's Engineers and Architects
WEB address: www.eahawaii.org

EAH 2020 Officers

President	Howard Wiig	587-3811
1st V. P.	Phil Blackman	282-7948
Treasurer	Aaron Erickson	591-2728
Secretary	Gary Yamamoto	485-2777
Sgt-at-Arms	Martin McMorrow	256-4713
Director	George Coates	234-5659
Director	Bill Brizee	523-9636
Director	Rob Kinslow	
Past President	Dave Martin	543-4504

EAH's meeting location is Room 301 in the Topa Tower downtown Honolulu 745 Fort Street. Validated parking is available (enter from Nimitz). Visit eahawaii.org for directions and a map and any Program schedule or meeting location updates.

Meetings are held 2 times per month on Fridays. Meetings start at NOON and have ended PROMPTLY at 1:00 pm for over 110 years.

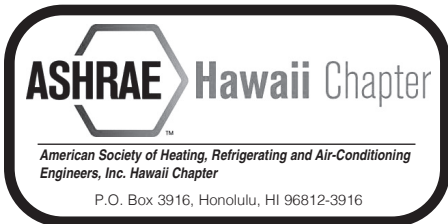
All are Welcome. Lunch is \$10.00 for Members, \$12.00 for guests and \$5.00 for students. Drinks and refreshments are complimentary. Brown baggers welcome. \$2.00 donation is gratefully appreciated if not having lunch.



P.O. Box 31218, Honolulu, HI 96817
 Web page: www.samehonolulu.org

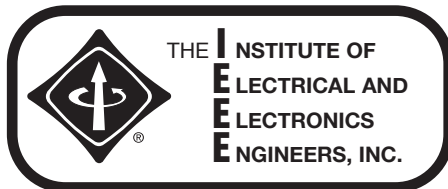
SAME Honolulu Officers and Directors

President	COL James Hoyman, USINDOPACOM Leighton Wong, PE
VP/Programs	Will Boudra, USN (Ret)
VP/Sustaining Members	Wesley Ishizu
VP/Membership	Jeff Clark
Secretary	
Treasurer/Investments	Andre Lee
Regional VP, Pacific Region	Eric Warner, USAF (Ret)
Advisor at Lge, Air Force	John Lohr, Col, USAF (Ret)
Advisor at Lge, Army	LTC Josh Sturgill, USA
Advisor at Lge, Coast Guard	LCDR Kyle Ensley, USCG
Advisor at Lge, Navy	LCDR Jason Ray, USN
Director, Awards/Streamers	Todd Barnes, PE, USA (Ret)
Director, Communications	Julie Chen



Hawaii Section Officers 2019-2020

President	Willie Diguc, PE
Pres-Elect	Samantha Nakamura, PE
Vice Pres	Matthew Tio
Secretary	David Lebowitz
Treasurer	Justin Chorik
Board of Governors	
Mofazzal Mir, PE, Kevin Luoma, PE, Paul Scott, Scott LaBeau	



IEEE Hawaii Section

Hawaii Section Officers: 2020

Section Chair: Steven Minakami
smina002@fui.edu
 Vice-Chair: Kishore Erukulapati
ekishore@ieeee.org
 Treasurer: Wayne Layugan
wlayugan@hawaii.edu
 Secretary: Open



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

2020 SAME Honolulu Scholarship Program

Each year, SAME Honolulu offers several four- and one-year scholarships to deserving high school seniors and college students who will be or are currently enrolled at a university with an accredited engineering or architecture program. For more information on the 2020 scholarship program categories, eligibility, and scholarship application submittal requirements, download the 2020 SAME Honolulu Scholarship Application at www.samehonolulu.org. **Application deadline is July 3, 2020 (postmarked).** For all inquiries, email scholarship@samehonolulu.org.



Professional Directory

<p>SHIMABUKURO, ENDO & YOSHIZAKI, INC. Civil, Environmental & Structural Engineers 1126 12th Avenue, #309 Honolulu, Hawaii 96816-3715 Phone: (808) 737-1875 Fax: (808) 734-5516 Email: seyeng@seyeng.com</p>	<p>Tim Waite, P.E. Sr. Territory Manager Mobile: 808-479-1216 Email: twaitestrongtie.com Simpson Strong-Tie Co., Inc. </p>	<p>SSFM INTERNATIONAL www.ssfm.com</p>	<p>WPT WALTER P. THOMPSON, INC. SURVEYING & MAPPING 720 IWILEI ROAD SUITE 425 P.O. Box 3351 HONOLULU, HI 96801 PHONE: (808) 536-2705 FAX: (808) 599-4032</p>
<p>R. M. TOWILL CORPORATION SINCE 1930 Civil Engineering Wastewater Engineering Surveying & Mapping Planning Construction Management Project Management Contact: 808.842.1133 rmtowill@rmtowill.com www.rmtowill.com</p>	<p>KAI HAWAII STRUCTURAL & FORENSIC ENGINEERS 50 S. Beretania Street, #C-119C • Honolulu, HI 96813</p>	<p>JUNO & ASSOCIATES CONSTRUCTION COST CONSULTANTS 1210 Ward Avenue, Suite 204 Honolulu, Hawaii 96814 Phone: (808) 947-6855 info@juno-associates.com</p>	<p>WALKER INDUSTRIES, LTD. Precast Concrete Products Frederick K. Wong, PE P.O. Box 1568 Kahului, Maui, Hawaii 96732 Maui (808) 877-3430 Fax (808) 871-7282</p>
<p>WILSON OKAMOTO CORPORATION SINCE 1930 INNOVATORS • PLANNERS • ENGINEERS www.wilsonokamoto.com</p>	<p>WJE 808.591.2728 www.wje.com Engineers Architects Materials Scientists Serving Hawaii and the Pacific Since 1979</p>	<p>WSP Question the ordinary Imagine the extraordinary Create the enduring honolulu@wsp.com wsp.com/jusa 808-536-1737</p>	<p>YKE YOGI KWONG ENGINEERS, LLC 677 Ala Moana Blvd., Suite 710 Honolulu, HI 96813 Tel: (808) 942-0001 www.yogikwong.com Geotechnical Engineering Trenchless Engineering Construction Management</p>

HAWAII COUNCIL OF
ENGINEERING SOCIETIES
P.O. Box 2873
Honolulu, Hawaii 96802

RETURN SERVICE REQUESTED

Professional Directory

 <p>1001 Bishop Street, Suite 1600 Honolulu, HI 96813 tel: 808.521.3051 www.aecom.com</p>	 <p>CAD/CAE Service For: Manufacturing Product Testing Failure Analysis Researching HonoSiMu, LLC honosimu.com info@honosimu.com</p>	 <p>Civil Traffic Environmental Surveying Branch Offices in Wailuku, Maui and Hilo, Hawaii www.atahawaii.com</p>	 <p>WWW.BELT-COLLINS.COM</p>
 <p>Tel: 808.792.2022 Fax: 808.792.2033 1124 Fort Street Mall Suite 200 Honolulu, HI 96813 info@BillsEngineering.com</p>	 <p>BOWERS + KUBOTA CONSULTING • Project Management • Planning • • Architectural/Engineering Design • Construction Management • 94-408 Akoki Street, Suite 201-A • Waipahu, Hawaii 96797 Phone: 808.836.7787 • Telefax: 808.834.4833</p>	 <p>Environmental Engineers & Consultants Maui - Honolulu brownandcaldwell.com</p>	 <p>www.coffman.com</p>
 <p>Oahu: 615 Piikoi Street, Suite 700 Honolulu, Hawaii 96814 Ph: (808) 591-2022, Fax: (808) 591-8333 Email: surveying@cpshawaii.net Maui: 1129 Lower Main Street, Suite 102 Wailuku, Hawaii 96793 Ph: (808) 242-9641 Email: cpsmaui@cpshawaii.net</p>	<p>When it's RUST Call us (808) 676-1963 www.corrosioncops.com</p>	<p>Y. Ebisu & Associates Acoustical and Electronic Engineers 1126 12th Avenue, Room 305 Honolulu, Hawaii 96816 (808) 735-1634</p>	 <p>Building Value Through Expertise Cost + Project Management 808-947-4525 ccorpusa.com</p>
 <p>Civil/Environmental/Sanitary Engineers 1150 South King Street, Suite 700 • Honolulu, Hawaii 96814 Phone: (808) 591-8820 • Fax (808) 591-9010 Email: eci@ceihawaii.com</p>	 <p>1320 N SCHOOL ST., STE 1 HONOLULU, HAWAII 96817 Phone: 591-8116 ENGINEERS-SURVEYORS HAWAII, INC. (FORMERLY WILLIAM HEE & ASSOCIATES, INC.)</p>	 <p>A PROFESSIONAL PARTNERSHIP ENVIRONMENTAL • GEOTECHNICAL • HYDROGEOLOGICAL CONSULTANTS 98-021 Kamehameha Highway, Suite 337 Aiea, Hawaii 96701-4914 Phone 808 484-5366 • Fax 808 484-0007 masa-fujioka-associates.com • email@masafujioka.com</p>	 <p>CONSULTING ENGINEERS WWW.FUKUNAGAENGINEERS.COM CELEBRATING OUR 50TH ANNIVERSARY</p>
 <p>Geotechnical Engineering and Drilling Services 2006 Kalihii Street Honolulu, Hawaii 96819 Phone: 841-5064 Fax: 847-1749</p>	 <p>201 Merchant Street, Suite 1900 Honolulu, Hawaii 96813 Telephone: (808) 521-0306 Fax: (808) 531-8018 email@grayhongnojima.com www.grayhongnojima.com</p>	 <p>7 Waterfront Plaza 500 Ala Moana Boulevard, Suite 240 Honolulu, HI 96813 808.507.7747 janice.marsters@hartcrowser.com www.hartcrowser.com</p>	 <p>94-025 Farrington Hwy, Waipahu, Hawaii 96797 808/676-0205</p>
 <p>ROCK SOLID SINCE 1908 www.hcdhawaii.com • sales@hcdhawaii.com</p>	 <p>Honolulu 808.697.6200 Maui 808.359.2518 hdrinc.com</p>	 <p>CONSULTING CIVIL ENGINEERS PACIFIC GUARDIAN TOWER 1440 Kapiolani Boulevard, Suite 1120 Honolulu, Hawaii 96814 Phone: (808) 942-0066 Fax: (808) 947-7546</p>	 <p>Geotechnical Engineering 808.486.0787 www.hirata-hawaii.com</p>
 <p>864 S. Beretania Street Honolulu, Hawaii 96813 Telephone: 537-9971</p>	<p>ISLAND GEOTECHNICAL ENGINEERING, INC. Geotechnical Consultants 330 Ohukai Road, Suite 119 Kihai, Hawaii 96753 Phone: (808) 875-7355 Fax: (808) 875-7122 Email: ige@igehawaii.com</p>	<p>Kennedy/Jenks Consultants Engineers & Scientists The BLOCK Honolulu 707 Richards Street Suite 528 Honolulu Hawaii 96813 P: 808.218.6030 F: 808.488.3776 Direct: 808.218.6042</p>	 <p>1622 Kananani Street • Honolulu, Hawaii 96817 (808) 596-7790 • tighawaii.com</p>
<p>MCE INTERNATIONAL, INC. MECHANICAL AND FIRE PROTECTION ENGINEERS 1360 S. Beretania St., Ste. 400 Honolulu, Hawaii 96814 Ph: (808) 941-0955 Fax: (808) 550-8167 Email: mcehl@mceinternational.com</p>	<p>Creative People. Practical Solutions.® moffatt & nichol Marine & Transportation Planners and Engineers 808.533.7000 www.moffatfnichol.com</p>	<p>NAGAMINE OKAWA ENGINEERS INC. CONSULTING STRUCTURAL ENGINEERS 1003 Bishop Street • Suite 2025 Honolulu, Hawaii 96813 Phone: (808) 536-2626 • FAX: (808) 536-3926</p>	 <p>94-025 Farrington Hwy, Waipahu, Hawaii 96797 808/676-0205</p>
 <p>www.oceanit.com</p>	 <p>Soils & Foundation Engineering Consultants 94-417 Akoki Street Waipahu, Hawaii 96797 (808) 678-8024 FAX (808) 678-8722 E-mail: pge@pacificgeotechnical.com</p>	 <p>SUITE 1500, PACIFIC PARK PLAZA 711 KAPOLANI BOULEVARD HONOLULU, HAWAII 96813 TELEPHONE: (808) 593-1676 FAX: (808) 593-1607 EMAIL: paren@pareninc.com dba park engineering Engineers, Surveyors, Planners</p>	 <p>Honolulu • Maui www.satoandassociates.com</p>