

THE STATE OF THE COLLEGE OF ENGINEERING

School started on August 26 and the college welcomed over 1,300 students back to school. Over the summer, the college welcomed Dr. Brennon Morioka as its sixth dean. He is a proud product of the college, earning a doctorate degree in civil engineering in 1999.

Prior to joining the college, he served as the general manager for electrification of transportation at the Hawaiian Electric Company (HECO), deputy executive director for the Honolulu Authority for Rapid Transportation, vice president and area manager of the Honolulu office of CH2M HILL, director of the Hawai'i State Department of Transportation, and executive vice president of Shioi Construction.

He also serves as chair of the Pacific International Center for High Technology Research in addition to the boards of numerous community service and non-profit organizations including the U.S. Japan Council, 'Ahahui Koa Ānuenue, and the Aloha Stadium Authority.

SAVE THESE DATES

o Holmescoming – Oct. 11, 2019 at the Stan Sheriff Center at 5pm. For details: www.eng.hawaii.edu/h19

o Career Day – Oct. 16, 2019 at the Campus Center Ballroom at 1pm. For details: www.eng.hawaii.edu/f19careerday

FACULTY

The Civil & Environmental Engineering Department welcomes two new faculty this semester. **Roger Chen's** (PhD Maryland, '07) research interests include Transportation Engineering and Systems Analysis, Smart Cities and Connected Communities, and Travel Behavior and Demand Modeling. **Hyoungsu Park's** (PhD Oregon State, '16) research



New College of Engineering Dean Brennon Morioka at the annual EAAUH golf tournament



Project Imua team with their award-winning rocket at the NASA Student Launch Competition in Huntsville, Alabama.

interests include Coastal Inundation Process, Resilience of a Coastal Community, and Coastal Debris Advection.

The Electrical Engineering Department welcomes **Il Young Chun** (PhD Purdue, '15). His research interests include Regression Neural Networks, Machine Learning with Big Data, and Nonconvex Optimization.

The Mechanical Engineering Department welcomes **Eunji Jun** (PhD Michigan, '12). Her research interests include Rarefied Gas Dynamics, Hypersonic Flow, and Space Propulsion.

The college also bid farewell to Professors **H. Ronald Riggs** and **Tep Dobry**, retiring after decades of educating and inspiring multitudes of engineering students.

Earlier this year, EE Chair & Professor **Wayne Shiroma** was one of 66 academic inventors elected to the National Academy of Inventors' inaugural class of Senior Members. Senior Members are active faculty, scientists, and administrators at NAI Member Institutions with success in patents, licensing and commercialization. They have produced technologies that have brought, or aspire to bring, real impact on the welfare of society.

CEE Professor **V. Amarjit Singh** was also honored earlier this year by the American Society of Civil Engineers with the 2019 Construction Management Award for "innovation and research aimed at improving construction around the globe."

STUDENT ACCOMPLISHMENTS

In April,...

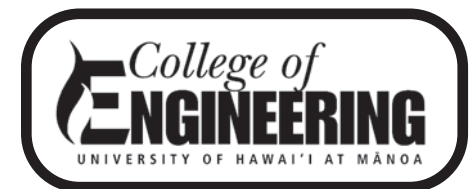
• Fourteen students from Honolulu, Kapi'olani and Windward Community Colleges and UH Mānoa (Project Imua Mission 6 team) took home the "Rookie Award" at the **NASA Student**

Launch Competition in Huntsville, Alabama. Representing the College of Engineering on the team were mechanical engineering students Adam Macalalag, Matthew Nakamura, Eric Takahashi.

• Third year CEE PhD student Sabrina Diemert won first place and the People's Choice Award at the third annual **UH Mānoa Three Minute Thesis Competition**. She won over judges and the audience by discussing her research on wastewater and how it can be used to track foodborne illness outbreaks like salmonellosis.

• Everett Amundson, Kendra Horvath, Jillian Kuba, and Austin Yoshino won the annual **UH Business Plan Competition** with their company -- G-Trainer. This company designs walking assistive devices that incorporate self-stabilizing gyroscopic technology into its wheels for greater freedom and mobility for individuals with disabilities.

continued on Page 5



2540 Dole Street, Holmes Hall
Honolulu, Hawaii 96822

UHM College of Engineering Deans and Chairs

Dean	Brennon Morioka
Int. Assoc. Dean	David Ma
Assistant Dean	Song K. Choi
CEE Chair	Panos Prevedourous
EE Chair	Wayne Shiroma
Int. ME Chair	Wayne Shiroma
HAWTI	Magdy Iskander



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:

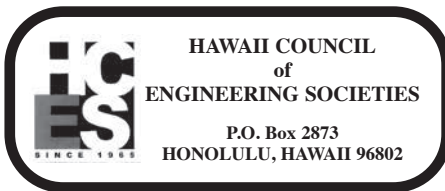
WARREN YAMAMOTO

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**2019-2020 OFFICERS**

Chair: Bill Lee
Vice-Chair: Donna Kishi
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	
CMAA	R. Ho	
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	

**Hawaii Section 2019-2020 OFFICERS**www.aacehawaii.com

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

**2019-2020 Officers**

President: Scott McAdam
smcadam@honolulu.gov
Vice Pres.: Jason Nikaido
jnikaido@honolulu.gov
Treasurer: Shelle Silva
Shelle.silva@honolulu.gov
Secretary: Jon Baker
jbaker@honolulu.gov
Past Pres.: Roger Babcock Jr
rbabcock@hawaii.edu
PWO Rep.: Herman Ellis III
Hellis1@honolulu.gov
Nat. Delegate: Sheryl Nojima
snojima@grayhongojima.com
Deleg-at-Lrg: Lance Manabe
Imanabe@fukunagaengineers.com

NEXT EXECUTIVE COMMITTEE MEETINGSeptember 18, 2019, 11:30am, CSM Baseyard
– 99-989 Iwaena St**10th BIENNIAL COLLECTION SYSTEMS CONFERENCE**

Date: Wednesday, November 20, 2019

Location: Koolau Ballrooms Kaneohe

This year, HWEA has teamed with the Western Chapter of the North America Society for Trenchless Technology (WESTT) to provide an exciting joint conference. The conference will include a wide variety of topics related to wastewater collection systems and buried infrastructure with an emphasis on: current collection system technologies, assessment, rehabilitation and operation. Other presentation topics include:

- Collection System Design (including pump stations)
- Trenchless Construction/Rehabilitation and Condition Assessment Methods
- System Operations, Maintenance and Troubleshooting
- Conventional Construction/Rehabilitation Methods
- Collection System Assessment
- Safety Issues
- Regulations/Enforcement
- New Technologies
- Management and Administration of Systems
- Operator Certification

For questions or additional information contact: Tom Myers (203-2660, tmyers@brwncaid.com), or Sheryl Nojima (521-0306, snojima@grayhongojima.com)

25 AACE Section members and friends assembled for lunch at the office of Rider Levett Bucknall on August 1st. They listened to a presentation on "Perfecting the Fixed Perspective Windows Delay Analysis" by Mr. John D. Jackson. Mr. Jackson has an extensive background in the project management consulting for construction and litigation analysis disciplines. He presented the Fixed Perspective Windows Delay Analysis method which incorporates the strengths of various retrospective methods, while minimizing, if not alleviating the weakness. The result is an analysis that, when prepared correctly, is simple to calculate and easy to defend.

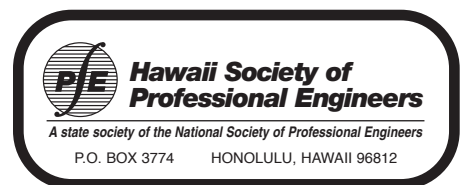
Our local Board Meetings are held monthly. Feel free to contact us with suggestions or interest. For more information, please visit our website www.aacehawaii.com.

Po Box 12204 Honolulu, HI 96828
www.uh alumni.org/eaauh**EAAUH Board Name**

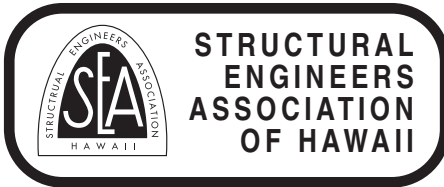
President: Rodney Chong
Vice Pres.: John Katahira
Treasurer: Stancher Mabellos
Secretary: Ken Kawahara
Director: Dennis Toba
(Immediate Past Pres.)
Director: Anthony Paresa
Neal Miyake
Steven Cayetano
Ken Hayashida
Diane Kodama
Mike Magaoay
Derek Mukai
Martin Nakasone
Dayna Nemoto-Shima
Ross Okuda
Landon Sakai
Wayne Shiroma
Jonathan Suzuki
Keith Uemura
Edward Yoshimura
Kyle Yukumoto
Student Director: Jianna Orias
Secretary to the Dean, CoE: Maureen Izon
Assistant Specialist, CoE: Carrie Matsuzaki

"SAVE THE DATE!" This year's twelfth annual **Holmescoming** event will be on Friday, October 11, 2019 at the Stan Sheriff Center. It will be a spectacular evening of good food - featuring d.k Steak House and Sansei Seafood Restaurant & Sushi Bar - great fun, and exceptional entertainment! Mark your calendars now and keep an eye out for the official flyer!"

The 2019 42nd Annual EAAUH Golf Tournament was held on July 19, 2019 at the Pearl Country Club. With more than 160 golfers, the event raised six (6) scholarships (\$2,000 per scholarship) for deserving College of Engineering freshman. Dean Brennon Morioka was one of the golfers and the events "Beat the Dean Challenge" raised \$275 and over 60 cans of spam for the Hawaii Food Bank. We thank all those that donated money for the event, including the generous hole sponsors."

<http://www.hawaii-spe.org/>**HSPE Officers for 2019-2020**

President: Sara Doi
sdoi@browsersandkubota.com
Pres. Elect: Majella Stevenson
MujTravel@aol.com
Vice Pres.: Irina Constantinescu
ICConstantinescu@BrwnCald.com
Past Pres.: Mike Lum
mlum@browsersandkubota.com
Secretary: Julann Sonomura
julann.m.sonomura@hawaii.gov
Treasurer: Kurt Kunimine
kkunimine@browsersandkubota.com
HOD '19-'21: Mike Silva
mike@femaui.com
Big Island Dir., NICET Chair '19-'20: Curtis Beck
curtbegood@mail.com



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

2019 BOD OFFICERS AND DIRECTORS

President	Kevin Nakamoto knakamoto@ssfm.com
Vice President	Danny Fujioka dannyf@nagamineokawa.com
Secretary	Brent Ching brent@iwamoto.com
Treasurer	Regan Kobayashi Regan.kobayashi@englekirk.com
Director (Yr 2)	Kainoa Aki kainoa.aki@basf.com
Director (Yr 2)	Jillian Sumitomo jillian@mkellc.com
Director (Yr 1)	Brandi Castillo Brandi.castillo@navy.mil
Director (Yr 1)	Kirk Hashimoto kirk@ccpihawaii.com
Past President	Jeffrey Cudiamat jcudiamat@structuralhawaii.com

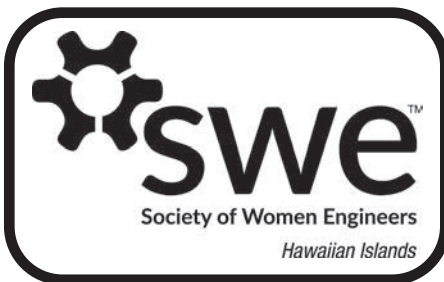
PREVIOUS BOD MEETING

August 7, 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 at the Hawaii Convention Center hosted by Ashraf Habibullah of CSI. Registration opening soon.



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, dungpnguyen@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.

Section News:

This year annual conference WE19 (<https://we19.swe.org/>) will be held on November 7-9 in Anaheim, CA. WE18 attracted over 14,000 attendees. Join us this year in Anaheim for professional development, networking, and career fair, and K12 STEM outreach opportunities.

WE Local conferences (<https://welocal.swe.org/>) will be held in 5 cities: San Diego, Salt Lake City, Durham, Des Moines, and Buffalo. These conferences are much smaller, which provide a great opportunity for networking. Award nomination, speaker abstract proposal, collegiate competition is open.

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

Convention Mentorship Event

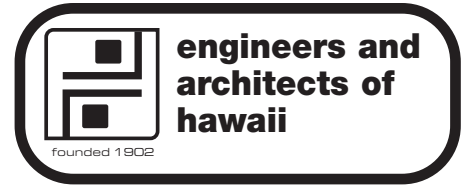
This year's convention will feature a Mentorship Event on Saturday, October 19 at the Hawaii Convention Center (more details to follow). The event will give young engineers an opportunity to improve their effectiveness by learning from experienced professional mentor from each of the fields: Architecture, Civil, Mechanical, Electrical, Construction. Mentors will talk about what they do and how they work with Structural Engineers. This event is open to all young structural engineers and designers (SEAHO membership not required).

Next BOD Meeting on September 4, 2019. For information, contact SEAHO President; Kevin Nakamoto knakamoto@ssfm.com



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



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

EAH 2018- 2019 Officers

President	Howard Wiig	587-3811
1st V. P.	Open	
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	Phil Blackman	282-7948
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.

Hawaii's premier
CONCRETE BLOCK MANUFACTURER

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



2018-2019 ASCE Hawaii Section Officers

President: Eric Arakawa, P.E.
email: earakawa@ascehawaii.org

President-Elect: Jason Kage, P.E.
email: jkage@ascehawaii.org

Vice President: Dayna Nemoto-Shima, P.E.
email: dnemoto@ascehawaii.org

Treasurer: Clifford Lum, P.E.
email: clum@ascehawaii.org

Secretary: Reyn Hashiro, P.E.
email: rhashiro@ascehawaii.org

Immediate Past Pres: Lara Karamatsu, P.E.
email: lkaramatsu@ascehawaii.org

YMF President: Nicole Nakaoka, P.E.
email: nnakaoka@ascehawaiiyymf.org

EXECUTIVE COMMITTEE MEETING

Last held: August 6, 2019

Next meeting: September 3, 2019

ASCE HAWAII SECTION 2019 OUTSTANDING CIVIL ENGINEERING ACHIEVEMENT AWARDS

Date: September 26, 2019

Location: The Kahala Hotel & Resort

Check our website at ascehawaii.org for updates and an email will be sent out to membership with more information.

ASCE HAWAII SECTION DINNER MEETING

There will be no dinner meeting in September. Our next dinner meeting will be in October 2019. Check our website at ascehawaii.org for updates and an email will be sent out to membership with more information.

COMMITTEE POSITIONS

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

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 Nakaoka, President
nnakaoka@ascehawaiiyymf.org

Kapiolani Street, Vice President
kstreet@ascehawaiiyymf.org

Carly Kaneko, Treasurer
ckaneko@ascehawaiiyymf.org

Claire Fukuoka, Secretary
cfukuoka@ascehawaiiyymf.org

Jordan Urabe, Past President
jurabe@ascehawaiiyymf.org

YMF General Meeting

The next YMF general meeting is scheduled for Wednesday, September 4th, 2019 at 6:00 pm at Work Play. 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.

Special Olympics Aukake Classic

On Saturday, August 10th, eleven YMF members volunteered at the 'Aukake Classic Event for the Special Olympics at Waiolu District Park in Pearl City. The 'Aukake Classic is a two-day event in which over 300 athletes throughout the state compete in a multi-division 5-a-side soccer tournament, individual skills soccer competition, and traditional and unified bocce doubles competition. The coaches and athletes trained from June through August and competed in area and regional competitions in preparation for the event. The 'Aukake Classic marks the end of the Special Olympics Summer season. The YMF members worked with the Special Operations Team to set up tents and chairs, fill coolers for the volunteers and water jugs for the athletes, place trash/recycle bins around the park, transport the food and merchandise, and other miscellaneous tasks. Thank you to the YMF volunteers for coming out to help and to Cindy Ujimori for coordinating this event with us!



Golf Outing

On Sunday, July 14th, YMF held a course outing at the Bayview Golf Course in Kaneohe. Seventeen YMF members and friends put their short game to the test at the 18-hole par 60 course in Kaneohe. Following the round, the golfers headed over to Buffalo Wild Wings for lunch and some refreshments. Thanks to all who participated. Please keep checking the YMF website for information regarding the next YMF Golf Outing.

Bar Crawl

On Friday, August 9th, eighteen YMF members participated in an evening bar crawl throughout Kakaako to wind down with friends

and coworkers after a productive work week. Members started the Aloha Friday Bar Crawl at the Brewseum, where they competed in a friendly game of eye spy while surrounded by WWII memorabilia. The group made their way to Waikiki Brewing Company where they enjoyed good food and several games such as cornhole and jenga. On our bar crawl adventure, we stumbled across a new bar called Speakeasy Bar, which held a private and classy environment. The members ended their crawl at Workplay and enjoyed the live music. Thank you for everyone that came out and made this social a success!

Our last social event of the year will be the annual archery tag event on September 1st. More details will be provided in the later announcements. If you are interested in any of these events, please RSVP to ataeb@ascehawaiiyymf.org and we will keep you up to date with new information.



CMAA 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!

The PCM class was recently held at HCC. Twelve people attended the three-day course which was taught by our locally certified instructors. Good luck on your upcoming CCM test.

Michael Young and Dan Keeley of Bowers and Kubota did a fantastic job on the recent lunchtime presentation. Mike and Dan spoke about the boring of the Kaneohe to Kailua tunnels.

A year end Paina will be held on September 5, 2019. Be on the lookout for an email for signups and location.

Save October 18, 2019 for our annual CMAA golf tournament. The shotgun tournament will be held at Ewa International golf course. An email blast went out so sign up now before the tournament gets sold out.

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>.



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

September Meeting Announcement

Please join us at our next meeting to hear a presentation from Eric Lee Niemeyer, Traffic Operations Engineer for City of Springfield, Oregon. Eric is an experienced lawyer and licensed Traffic Engineer in Oregon and California. The topic of Eric's presentation is "Flashing Yellow Arrow for Protected/Permitted Left Turns at Traffic Signals", where he will discuss the benefits of flashing yellow arrows and share his experience in deploying flashing yellow arrows at signalized intersections.

Date: Wednesday, September 25, 2019

Time: 11:45 AM – 1:00 PM

Location: Frank Fasi Municipal Building, 3rd Floor
 Cost: \$10 for ITE members; \$12 for non-members; \$8 for students

Additional information will be emailed to members and friends of ITE. If interested in attending, please email Jasmine at *jkaehuaea@atahawaii.com* by September 20, 2019.

The State of the College of Engineering, from Page 1

• The UH ASCE Student Chapter competed in the **ASCE Pacific Southwest Conference** (PSWC) at California Polytechnic University San Luis Obispo. The team placed 7th overall in the conference of 18 schools. The Concrete Canoe team placed 4th overall, and 2nd in race event points with 2nd in all races including Men's sprints, Women's sprints, Coed sprints, Men's slalom, and Women's slalom. The Sustainability event team placed 2nd, the Transportation Design event team placed 4th, the Surveying event team placed 6th, the Design Build Construction team placed 7th, the Environmental event team placed 7th, and Joshua Agpaoa placed 9th in the Technical Paper competition.



The UH ASCE Student Chapter celebrates their placing(s) at the 2019 ASCE Pacific Southwest Conference.

In May...

• An award-winning autonomous hydroponic growing system called "Box Farm" -- designed and built by engineering students at the College of Engineering -- was successfully tested at the NASA-funded **Inflatable Lunar-Mars Habitat** at the University of North Dakota. The team consisted of students Sean Agpaoa, Gabor Paczoly, James Thesken, Preston Tran, and faculty adviser Professor Trevor Sorensen.

In June...

• College of Engineering students Grace Hayashi, Jaymark Ganibi, Justin Pagtolingan, Amanda Achiu, Eliesse Hihara, Benjamin Liang, and Keola Wong competed in the **AUVSI (Association for Unmanned Vehicle Systems International) Student Unmanned Aerial Systems Competition** at Patuxent River Naval Air Station, Maryland, where they placed 19th out of 68 teams.

• Team Hökülele (UH College of Engineering students Jason Borgida, Efen Enriquez, Nhue Lac, Branden Lucas, Adam James Macalalag, Matthew Nakamura, Eric Takahashi, Kobe Taylor, and Leah Toma) successfully launched and recovered the 11.5-foot rocket and payloads they built for the **Spaceport America Cup Competition** hosted by the Experimental Sounding Rocket Association in Las Cruces, New Mexico.

• A team of 10 UH College of Engineering students took a Formula One car they designed and built to Lincoln, Nebraska to compete against 80 teams from the United States,

Canada, Mexico, India and Brazil in the annual **International Formula SAE (Society of Automotive Engineers) Collegiate Design Competition**. They placed 40th out of 77 teams

COLLEGE-WIDE

All of the college's graduate programs were ranked in the most recent **U.S. News and World Report** rankings. Civil engineering ranked 76 out of 152 in the nation, the electrical engineering department was 97 out of 186 schools, and mechanical engineering came in at 135 out of 181. Last fall, the college broke into the Best Undergraduate Engineering Programs category at number 146 for the first time since 2012.

The college launched some new degree programs. The College of Engineering is now offering a **Bachelor of Science in Engineering Science (BSES)** with initial concentrations in either Aerospace Engineering or Biomedical Engineering. This new degree is intended to increase the options for our students, providing an interdisciplinary education and a mechanism to cover emerging areas. Meanwhile, the Department of Civil and Environmental Engineering is offering a new **Bachelor of Science in Construction Engineering (CNST)** with dedicated emphasis in the construction field of civil engineering.

To help students and industry partners find each other, the college has created a jobs board for employers to post job opportunities - internship or full-time. It can be found at www.eng.hawaii.edu/jobs.

Professional Directory

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*

Tim Waite, P.E.
 Sr. Territory Manager
 Mobile: 808-479-1216
 Email: *twaites@strongtie.com*
Simpson Strong-Tie Co., Inc.

SSFM
 INTERNATIONAL
www.ssfm.com

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

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

KAI HAWAII
 STRUCTURAL & FORENSIC ENGINEERS
 50 S. Beretania Street, #C-119C • Honolulu, HI 96813

JUNO & ASSOCIATES
 CONSTRUCTION COST CONSULTANTS
 1210 Ward Avenue, Suite 204
 Honolulu, Hawaii 96814
 Phone: (808) 947-6855
 info@juno-associates.com

WALKER INDUSTRIES, LTD.
 Precast Concrete Products
CONSPAN
 BRIDGE SYSTEMS
 Frederick K. Wong, PE
 P.O. Box 1568
 Kahului, Maui, Hawaii 96732
 Maui (808) 877-3430
 Fax (808) 871-7282

WILSON OKAMOTO CORPORATION
 INNOVATORS • PLANNERS • ENGINEERS
www.wilsonokamoto.com

WJE
 808.591.2728
www.wje.com
 Engineers | Architects | Materials Scientists
 Serving Hawaii and the Pacific Since 1979

WSP
 Question the ordinary
 Imagine the extraordinary
 Create the enduring
honolulu@wsp.com
wsp.com/usa
 808-536-1737

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

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

RETURN SERVICE REQUESTED

Professional Directory

AECOM 1001 Bishop Street, Suite 1600 Honolulu, HI 96813 tel: 808.521.3051 www.aecom.com	 HonoSiMu, LLC honosimu.com info@honosimu.com CAD/CAE Service For: Manufacturing Product Testing Failure Analysis Researching	Austin Tsutsumi & Associates, Inc. Civil Traffic Environmental Surveying Branch Offices in Wailuku, Maui and Hilo, Hawaii www.atahawaii.com	 WWW.BELT COLLINS.COM
 BILLS ENGINEERING INC. Civil/Environmental Engineering Tel: 808.792.2022 Fax: 808.792.2033 1124 Fort Street Mall Suite 200 Honolulu, HI 96813 info@BillsEngineering.com	 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	 Brown and Caldwell Environmental Engineers & Consultants Maui - Honolulu brownandcaldwell.com	 COFFMAN ENGINEERS LASTING creativity results relationships Multidiscipline Engineers www.coffman.com 851 Fort Street Suite 300 Honolulu, HI 96813 808.687.8884
 ControlPoint Surveying, Inc. Oahu: 615 Piikoi Street, Suite 700 Honolulu, Hawaii 96814 Ph: (808) 591-2022, Fax: (808) 591-8333 Email: surveying@cps Hawaii.net Maui: 1129 Lower Main Street, Suite 102 Wailuku, Hawaii 96793 Ph: (808) 242-9641 Email: cpsmaui@cps Hawaii.net	When it's RUST Call us (808) 676-1963 www.corrosioncops.com	Y. Ebisu & Associates Acoustical and Electronic Engineers 1126 12th Avenue, Room 305 Honolulu, Hawaii 96816 (808) 735-1634	CUMMING Building Value Through Expertise Cost + Project Management 808-947-4525 ccorpUSA.com
 Engineering Concepts, Inc. Civil/Environmental/Sanitary Engineers 1150 South King Street, Suite 700 • Honolulu, Hawaii 96814 Phone: (808) 591-8820 • Fax (808) 591-9010 Email: eci@ecihawaii.com	 ESH ENGINEERS-SURVEYORS HAWAII, INC. (FORMERLY WILLIAM HEE & ASSOCIATES, INC.) 1320 N SCHOOL ST., STE 1 HONOLULU, HAWAII 96817 Phone: 591-8116	MASA FUJIOKA & ASSOC. A PROFESSIONAL PARTNERSHIP ENVIRONMENTAL • GEOTECHNICAL • HYDROGEOLOGICAL CONSULTANTS MF 98-021 Kamehameha Highway, Suite 337 Aiea, Hawaii 96701-4913 Phone: 808 484-5366 • Fax: 808 484-0007 masa-fujioka-associates.com • email@masafujioka.com	FUKUNAGA & ASSOCIATES, INC. 1357 Kapiolani Blvd., Suite 1530 Honolulu, HI 96814 Ph: 944-1821 • Fax: 946-9339 office@fukunagaengineers.com www.fukunagaengineers.com
 GEOLABS, INC. Geotechnical Engineering and Drilling Services 2006 Kalihi Street Honolulu, Hawaii 96819 Phone: 841-5064 Fax: 847-1749	Gray-Hong-Nojima & Associates, Inc. CONSULTING ENGINEERS  201 Merchant Street, Suite 1900 Honolulu, Hawaii 96813 Telephone: (808) 521-0306 Fax: (808) 531-8018 email@grayhongnojima.com www.grayhongnojima.com	 HART CROWSER Geotechnical, Environmental, and Natural Resources Consulting janice.marsters@hartcrowser.com www.hartcrowser.com	total POWER SOLUTION  94-025 Farrington Hwy. Waipahu, Hawaii 96797 808/676-0205
 HCD ROCK SOLID SINCE 1908 www.hcdhawaii.com • sales@hcdhawaii.com	 HDR Honolulu 808.697.6200 Maui 808.359.2518 HDRINC.COM	HIDA, OKAMOTO & ASSOCIATES, INC. CONSULTING CIVIL ENGINEERS  PACIFIC GUARDIAN TOWER 1440 Kapiolani Boulevard, Suite 1120 Honolulu, Hawaii 96814 Phone: (808) 942-0066 Fax: (808) 947-7546	Hirata & Associates, Inc. Geotechnical Engineering 808.486.0787 www.hirata-hawaii.com
 SAM O. HIROTA, INC. Engineers & Surveyors 864 S. Beretania Street Honolulu, Hawaii 96813 Telephone: 537-9971	ISLAND GEOTECHNICAL ENGINEERING, INC. Geotechnical Consultants 330 Ohukai Road, Suite 119 Kihel, Hawaii 96753 Phone: (808) 875-7355 Fax: (808) 875-7122 Email: ige@igehawaii.com	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	 THE LIMTIACO CONSULTING GROUP CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS 1622 Kananui Street • Honolulu, Hawaii 96817 (808) 596-7790 • tclhawaii.com
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	Creative People, Practical Solutions.®  MOFFATT & NICHOL Marine & Transportation Planners and Engineers 808.533.7000 www.moffattnichol.com	NAGAMINE OKAWA ENGINEERS INC. CONSULTING STRUCTURAL ENGINEERS 1003 Bishop Street • Suite 2025 Honolulu, Hawaii 96813 Phone: (808) 536-2626 • FAX: (808) 536-3926	 Okahara and Associates, Inc. ENGINEERING CONSULTANTS Civil - Mechanical Engineers Hilo: (808) 961-5527 • hilo@okahara.com Oahu: (808) 524-1224 • oahu@okahara.com www.okahara.com Small Business and Certified HUBZone
 oceanit www.oceanit.com	 Pacific Geotechnical Engineers, Inc. Soils & Foundation Engineering Consultants 94-417 Akoki Street Waipahu, Hawaii 96797 (808) 678-8024 FAX (808) 678-8722 E-mail: pge@pacificgeotechnical.com	 ParEn, Inc. dba park engineering Engineers, Surveyors, Planners SUITE 1500, PACIFIC PARK PLAZA 711 KAPOLANI BOULEVARD HONOLULU, HAWAII 96813 TELEPHONE: (808) 593-1676 FAX: (808) 593-1607 EMAIL: paren@pareninc.com	 Sato & Associates, Inc. Consulting Engineers Honolulu • Maui www.satoandassociates.com