

wiliki o hawaii

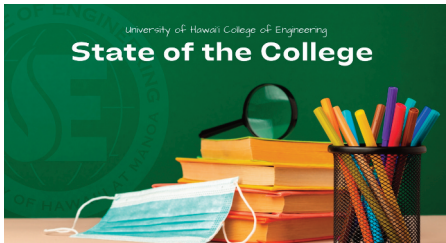
ENGINEER
OF HAWAII

VOL. 57 NO. 7

SERVING 2000 ENGINEERS

SEPTEMBER 2021

THE STATE OF THE COLLEGE OF ENGINEERING



On August 23, 2021, the College welcomed back over 1,300 students to campus for the start of the fall semester. Fall classes are currently being delivered via a mix of online, hybrid, and face-to-face formats, in a semester that is being viewed as a transitional semester for the university. Under the leadership of **Dean Brennon Morioka**, faculty and staff remain committed to serving their students and providing the same quality education while adjusting to ever-changing conditions, such as the COVID-19 Delta variant.

SAVE THE DATE!

Join the College for the following events in fall 2021. You may learn more about these and other events by visiting eng.hawaii.edu/allevnts/.

Leadership Seminar Series, presented by the Hayashida Family – join us for these 1-hour virtual conversations with inspirational local leaders, from 11:00-12:00 each month. September 3: Micah Kane; October 1: Keiki Pua Dancil and Ka'iu (Leslie) Kimura; November 5: Lori Kahikina and Ed Sniffen; December 3: Jennifer Sabas.

Fall Career Day, virtual and on campus – 2 sessions! Tuesday, September 21 from 9:00-12:00pm online and Friday, September 24 from 1:00-4:00pm at Holmes Hall. Employers, students, and alumni may register to participate through the above event website.

College of Engineering Faculty & Staff Awards Ceremony - Friday, September 17 from 2:00-3:00pm via livestream from Holmes Hall.

Fall Convocation – Friday, December 17 at 5:30pm. More details to come.

Read on for highlights from the college for the 2020-2021 academic year.

FACULTY & STAFF

New faculty – due to the State's **current restrictions on hiring**, no new faculty were hired in the last fiscal year. However, the college has established its hiring priorities for the future, with plans to add faculty positions in all departments when economic conditions allow.

August 2020:

Yi Zuo invented a groundbreaking method

that allows direct visualization of surfactant films on the lungs of premature babies.

September 2020:

Tyler Ray and **Magdy Iskander** were featured in Honolulu Magazine for their influential research in the field of wearable technology.

Zhuoyuan Song received nearly \$400,000 in NSF funding to conduct research with underwater mobile robots that will continuously collect data to enhance the study of the world's oceans.

Dilmurat Azimov and his team received support from NASA to design a new academy with the mission of providing engineering opportunities for Hawai'i's underrepresented and underserved students.

David Ma and **Brennon Morioka** received commendations from Governor Ige for the College's autonomous vehicle testing pilot program with the Department of Transportation at a virtual bill signing event.

November 2020:

Joe Brown received almost \$500,000 from the Air Force Office of Scientific Research to develop a potentially game-changing technology for aerospace and electronics manufacturing.

Albert Kim's new book, "Ocean Thermal Energy Conversion (OTEC): Past, Present, and Progress," was published.

December 2020:

William Uspal received a \$110,000 boost from the American Chemical Society to support two PhD student researchers to study research on petroleum processes.

Yi Zuo and **William Uspal** collaborated on a review article published in ACS Nano that presented a multidisciplinary understanding of the airborne transmission of COVID-19.

February 2021:

David Ma and **Jian Yu's** findings on extracting energy when freshwater and saltwater mix were published in Nano Energy.

March 2021:

Dean **Brennon Morioka** was featured in the Transmissions From Hawai'i podcast, speaking about the impact of ALOHAnet's wireless technology.

Tyler Ray teamed up with researchers from Northwestern University to develop a skin-mounted sticker for diagnosing cystic fibrosis, one of the most common life-shortening genetic disorders.

April 2021:

Zac Trimble received UH's annual Frances Davis Award for Excellence in Undergraduate Teaching.

Tao Yan's research results from gathering and analyzing local wastewater samples indicated that wastewater is a reliable indicator of the prevalence of COVID-19 in a community.

May 2021:

David Ma's startup team Polu Energy made the finals in the University of Hawai'i Venture Competition for their renewable ocean energy technology concept.

Woochul Lee secured an NSF grant worth over \$600,000 to implement educational and mentoring initiatives to grow the participation of Native Hawaiians in engineering.

June 2021:

Roger Chen directed the inaugural Pacific Summer Transportation Education Program, a summer camp for high school students delivered both in person and virtually for students in Hawai'i, American Samoa, and the Commonwealth of the Northern Mariana Islands.

July 2021:

Kim Perez Hults was named to Pacific Business News 40 Under 40 for 2021.

STUDENTS

September 2020:

Douglas Ellman and **Brenden Minei** each received a \$5,000 Scholar Award from the ARCS Foundation-Honolulu Chapter for their excellence in doctoral research.

October 2020:

Frendy Lio Can, Willy Chang, Keenan Lee and Spencer Young formed one of four North American teams to make it to the finals of EduHacks 2020, an international hackathon.

The **Rainbow Warriors Racing (RWR) team** received a 5-year, \$60,000 pledge from Toyota Hawaii to help design, analyze, manufacture and test a fully-electric race car.

November 2020:

Students involved in **Vertically Integrated Projects (VIPs)** showcased their work in a virtual poster session featuring videos of their projects.

December 2020:

Maddyson Jeske was selected as the recipient of the Professor Bruce Liebert Award from the Department of Mechanical Engineering.

The **UH Drone Technologies** team was featured in the UH Fall Undergraduate Showcase, presenting their work on increasing the efficiency of search-and-rescue missions using autonomous drone technologies.

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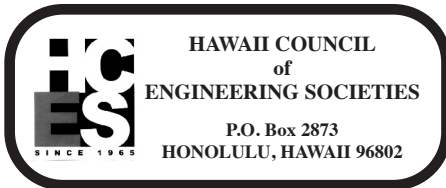
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WILIKI MAILING LIST

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
EMAIL: hcesorg@gmail.com

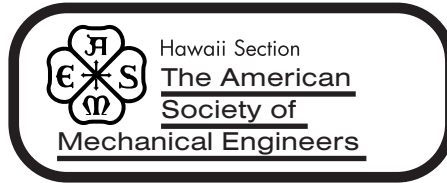
2021-2022 OFFICERS

Chair:	Roger Babcock	
Vice-Chair:	Jay Stone	
Secretary:	Open	
Treasurer:	Kristen Yoshida	
SOC	Representative	Alternate
AACE	J. Uno	
ACECH	M. Adolpho	
APWA	R. Char	
ASCE	E. Arakawa	
ASHRAE	D. Kishi	S.Nakamura
ASME	A. Siu Ho	D. Sato
EAH	S. Gillie	
FALEA	M. Stevenson	
HSPE	M. Kamaka	K.Kunemine
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	



2020-2021 Officers

President:	Jason Nikaido jnikaido@honolulu.gov
Vice Pres.:	Shelle Silva Shelle.silva@honolulu.gov
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PWO Rep.:	Herman Ellis III Hellis1@honolulu.gov
Nat. Delegate:	Kyle Yukumoto kyley@rmtowill.com



www.asme-hi.com

ASME-HI 2021-2022 Officers

Chairperson	Derek Sato derek.sato@hawaiiandelectric.com
Vice-Chair	Abel Siu Ho
Secretary	Raymond Liu
Treasurer	Kevin Dang dangk001@hawaii.rr.com
Member-@-Large	Shaun Ildefonso Ed Chang

NEXT ASME-HAWAII GENERAL MEMBERSHIP MEETING

Date: To Be Determined

As usual, all members, students and guests are invited and encouraged to attend our Zoom Conference Call meetings. Please contact Derek Sato for the link.

GENERAL MEMBERSHIP MEETING JUNE 25, 2021

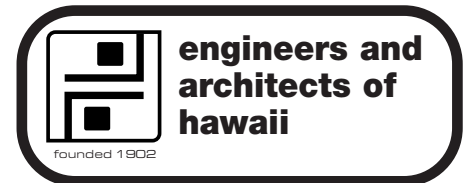
Our June Zoom Conference Call meeting was held June 25, 2021 starting 5:16 PM (HST). Meeting was conducted by Chairperson Derek Sato with the following discussed:

- Student Section Report by S. Ildefonso: Officers and student section participants not known at this time. College has provided a room for student section activities.
- UHM DME Report by Dr. Shin: Dr. Shin is stepping down as Student Section Advisor. New Advisor is Dr. Wochul Lee starting Fall 2021 semester. Dr. Lee joined UH January 2018 and specializes in nanoscale heat transfer.
- New ASME-HI Officers: Nominations were solicited from the membership with no responses. After discussions, the 2021-2022 Officers are listed above.
- Volunteer Questionnaire: Derek Sato and Abel Siu Ho shared that they solicited 20 mechanical engineers to answer questions about their knowledge and interest in the ASME Hawaii Section and inquired about perceptions of the section and what would motivate them to get involved. 10 responded.
- Annual Plan: Discussed spend plan for 2021-2022 fiscal year including spend limit, total section expenses, annual funding from ASME International due to current 175 membership.

GENERAL MEMBERSHIP MEETING JULY 30, 2021

Our July Zoom Conference Call meeting was held July 30, 2021 starting 5:00 PM (HST). Meeting was conducted by Chairperson Derek Sato with the following discussed:

- The 2021-2022 ASME-HI Officers are as determined in the previous meeting.
- Unfinished Business discussions: The Francis Rhodes Montgomery Design Competition award tiers are being determined. Volunteer Questionnaire responses were reviewed and responses to participant will be prepared.
- New Business: As previously reported by Ed Chang, there are no more individual section by-laws. Sections follow the by-laws prepared by ASME International for all sections.



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

WEB address: www.eahawaii.org

EAH 2021 Officers

President	Phil Blackman	282-7948
1st V. P.	Canaan Shon	845-3900
Treasurer	Aaron Erickson	591-2728
Secretary	Sam Gillie	
Director	Martin McMorro	256-4713
Director	George Coates	234-5659
Director	Howard Wiig	587-3811
Director	Joe Feind	
Director	Dave Martin	543-4504

EAH is currently only having Zoom Meetings until further notice.

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

Members, guests, and the Public are welcome to join EAH meetings. Email eahawaii@gmail.com to get the Zoom meeting links.

August Programs

See EAH Website eahawaii.org

Friday September 10th

Speaker: TBA

Friday September 24th

Speaker: TBA

EAH hosted the below meetings in August

Friday August 6th

Speaker: Andrew G. Stanton, President at Start Out! Inc.

Topic: "The Opportunities and Challenges of Remote Work."

Andrew spoke about some of the challenges and opportunities related to working remotely, predating the pandemic, as he had worked remotely at times throughout his career as a software developer.

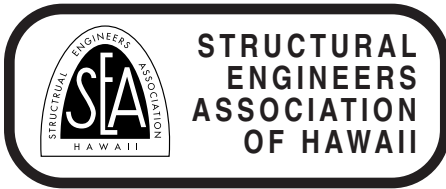
Friday August 27th

Speaker: Apryl Syed, Author, Business Strategic Coach, Advisor/Consultant at Apryl Syed Consulting

Topic: "How To Unleash Your Success Ritual"

Apryl shared some excerpts from her book "Unleash Your Success Ritual, Discover the Process to Recreate Your Success".

This year EAH is hosting past meetings on Olelo Channel 53. The 30 Minute Programs premieres on the 2nd Wednesday of the month at 6:00 pm and will replay on Sunday's at 1:00pm until the new premier on the following month. Visit the EAH Website for Olelo's On-line Links to these Programs: **Restoring Lehua Island; China Clipper Inaugural Passenger Flight 1936; Haiku Stairs History; Subterranean Robot Challenge; 52 Years of Architecture – Geoffrey Paterson; Dan Eckert Photographer -Topic Hyperlapse; Ala Wai Ahupua'a – 5 Step Solution.**



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

2021 BOARD OF DIRECTORS OFFICERS AND DIRECTORS

President John Uno
john@mkellc.com
 Vice President Craig Meierhoffer
cmeierhoffer@baseengr.com
 Secretary Clifford Lau
clau1@honolulu.gov
 Treasurer James Aoki
james.m.aoki@usace.army.mil

Upcoming Events

For all events see seaoh.org or email flyers.
 • September webinar planned for engineered wood trusses. Date and time to be determined.

SEAOH Annual Scholarship Golf Tournament

• Annual Scholarship Golf Tournament is scheduled for Friday October 22, 2021.
 • 2021 SEAOH scholarship application form is now posted on the website in the Events Scholarship Golf Tournament link. The application deadline is Friday September 10, 2021.

Next Meeting on Wednesday, September 1, 2021. For information, contact SEAOH President John Uno at john@mkellc.com



2020-2021 Officers:

President: Kelly Akasaki
Kelly.akasaki@honolulu.gov
 Vice Pres.: Jasmine Teramae-Kaehuaea
jkaehuaea@atahawaii.com
 Sec/Treas: Keoni Wasano
keoni@goldwings-supply.com

We are proud to announce that the ITE Hawaii section received the Western District Momentum Award at this year's District Annual Meeting. This award is to recognize the section that has experienced the greatest momentum (or most improvement) in the past year. Some of the section's 2020 accomplishments include co-hosting the first ever Virtual Western District Annual meeting, continued monthly technical and social meetings, and ongoing support of the UH Manoa Student chapter through lessons on resume writing, interview preparation and one-on-one networking talks between students and professionals.

If you would like to be added to the ITE mailing list, please email Keoni Wasano at keoni@goldwings-supply.com.



Hawaii Section 2021-2022 OFFICERS

www.aacehawaii.com
 President William Sparks
 Vice President Christopher Baze
 Secretary Mario Florez
 Treasurer Jeanette Roberts
 Dir. Soc. Med. Yong Shi
 Past President Christopher Kanae

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

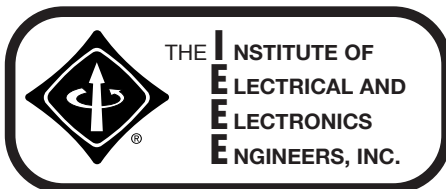
The local section, AACE Hawaii, was originally established in 1973. It achieved both the Platinum and Gold Award for seven consecutive years 2014-2021. Our local area continues to achieve CCP, CEP, CST and PSP certifications. For more information, please visit <http://web.aacei.org/certification> and our local website www.aacehawaii.com.



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

HSPE Officers for 2020-2021

Acting Pres: Sara Doi
sdoi@bowersandkubota.com
 Pres. Elect: Irina Constantinescu
IConstantinescu@BrwnCald.com
 Vice Pres: vacant
 Past Pres: Sara Doi
sdoi@bowersandkubota.com
 Secretary: Majella Stevenson
MujTravel@aol.com
 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



IEEE Hawaii Section

Hawaii Section Officers: 2020-21

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



Hawaii's premier

CONCRETE BLOCK MANUFACTURER

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



2020-2021 ASCE Hawaii Section Officers

President:	Dayna Nemoto-Shima, P.E. email: dnemoto@ascehawaii.org
Pres.-Elect:	Clifford Lum, P.E. email: clum@ascehawaii.org
Vice Pres.:	Reyn Hashiro, P.E. email: rhashiro@ascehawaii.org
Treasurer:	Eric Tomishima, P.E. email: etomishima@ascehawaii.org
Secretary:	Sheila Uyeoka, P.E. email: suyeoka@ascehawaii.org
Past Pres.:	Jason Kage, P.E. email: jkage@ascehawaii.org
YMF Pres.:	Carly Kaneko, P.E. email: ckaneko@ascehawaiiyfm.org

EXECUTIVE COMMITTEE MEETING

Last held: August 11, 2021

Next meeting: Sept 8, 2021

ASCE HAWAII SECTION DINNER MEETINGS

The continued health and safety of our membership is our top priority and we will continue to monitor the COVID-19 pandemic. Future in-person ASCE Hawaii Section events, including our section dinner meetings, are still temporarily on hold. Zoom meetings will be scheduled in lieu of in-person meetings, date and time TBD. 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.

SEPTEMBER MEETING – Outstanding Civil Engineering Achievement (OCEA) Awards

Date: SEPTEMBER 30

Location: via Zoom

Time: 5:00 pm

Cost: None (RSVP via Eventbrite)

ASCE's COVID-19 RESOURCES PAGE

<https://collaborate.asce.org/covid-19/home>

Reminder that ASCE has launched a COVID-19 resources page with online tools and tips in one convenient place. The page includes links to free programs, training, and resources, the results of COVID-19 industry impact surveys, and relevant online discussions with fellow members. The page also offers several ways to work more effectively while at home and activities to take advantage of in the down time you may have – even fun things to do with the keiki! And don't forget that all members have 10 free PDHs! Now may be a good time to catch up on some of those technical on-demand webinars.

COMMITTEE POSITIONS

ASCE Hawaii is looking for volunteers for various committee positions, including History and Heritage Chairperson, Advocacy Captain, Report Card Committee Members, and Water Resources Chairperson. If you are interested or have questions on any of these positions, please contact President Dayna Nemoto-Shima, dnemoto@ascehawaii.org.

MEMBERSHIP

If you haven't already done so, please renew your ASCE membership, which includes 10 free PDHs. You can renew your membership at www.asce.org.

ASCE HAWAII SECTION STUDENT SCHOLARSHIPS

Please help us increase our scholarship endowment so that we can recognize deserving students. We continue to accept tax-deductible donations with the goal of increasing the annual scholarships. Make your check payable to 'ASCE Hawaii Section' and include the note 'Walter Lum Scholarship Fund' and mail to: ASCE Hawaii Section, P.O. Box 917, Honolulu, HI 96808-0917. If you have any questions, please contact Eric Tomishima at etomishima@ascehawaii.org.

ASCE GOLF TOURNAMENT

We had a record-setting 60 teams that played in this year's tournament! We want to express our heart-felt gratitude to our local industry and ASCE community for all their support. Save the date for next year's tournament, currently planned to be on Friday, Aug 5, 2022.

ASCE JOB LISTINGS

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

- **AECOM** (Civil Engineers II)
 - **City and County of Honolulu** (Civil Engineer III, IV, V, Civil Engineer V (Geotechnical), & Electrical Engineer V)
 - **Gray Hong Nojima & Associates, Inc.** (Junior Civil Engineer)
 - **G70** (Civil Designer, Civil Engineer, Civil Project Manager, Construction Manager)
 - **HDR** (Senior Civil Engineer, Project Manager, Senior Engineering Project Manager, Water/Wastewater Engineer)
 - **Hawaii Housing Finance and Development Corporation** (Section Chief)
 - **Kennedy/Jenks Consultants** (Project Manager, Honolulu Staff Engineer, Hawaii Staff Engineer)
 - **Nagamine Okawa Engineers Inc.** (Structural Engineer)
 - **R.M Towill Corporation** (Assistant Engineer I, Assistant Engineer II, Civil Design Engineer, Design Visualizer 3D Modeler)
 - **SSFM** (Civil Engineer V, Structural Engineer IV)
 - **Stantec** (Account Manager/Engineer-Water)
- For further information, please visit <http://www.ascehawaii.org/job-listings.html>.



2020-2021 YMF Officers

Carly Kaneko, President	ckaneko@ascehawaiiyfm.org
Claire Fukuoka, Vice President	cfukuoka@ascehawaiiyfm.org
Brandon Uejo, Treasurer	buejo@ascehawaiiyfm.org
Lance Lam, Secretary	llam@ascehawaiiyfm.org
Kapiolani Street, Past President	kstreet@ascehawaiiyfm.org

YMF General Meeting

The next YMF general meeting will be on Wednesday, October 13, 2021 at 6:00 PM, location TBD. Please send your RSVP to yfm.hawaii@gmail.com; details will be distributed to those who RSVP prior to the meeting. Please be sure to check out our website and social media channels for the most updated information on our upcoming events. If

you are interested in attending and learning more about the various professional, social and service opportunities available through YMF, please contact YMF at yfm.hawaii@gmail.com.

Online PE Refresher Course

The Hawaii YMF has partnered with Pathceed, an online PE Exam refresher course that covers the breadth portion of the civil engineering exam. This course features 12-hours of on-demand course materials that may be accessed for a 6-month period, and a one-time free access should you not pass the exam. Curious but want a sample of the course? There's a free 1-hour lesson you can check-out before committing to the program!

Cost of the course is \$289 and we are offering ASCE Hawaii YMF members a \$40 discount when registering. If interested in signing up for this course, please contact Nicole at yfm808.pecourse@gmail.com for more information.

The state of the College of Engineering, from Page 1

January 2021:

Arif Rahman and **Kareem Elassy**, along with Professor Aaron Ohta, made up one of 20 teams selected to advance to the semifinals of the American-Made Solar Prize, a US Department of Energy Competition, through their startup enterprise, Hawai'i Innovation Lab.

March 2021:

Nearly 20 students from the University of Hawai'i at Mānoa **Society for Humanitarian and Sustainability Engineering** helped to beautify the UH Mānoa campus by organizing a campus cleanup.

Abdulrahman Alghamdi received a prestigious, full-tuition scholarship from the Kingdom of Saudi Arabia to continue his research into developing infrastructure for self-driving vehicles.

April 2021:

The **ASCE student chapter** received three prestigious awards from the ASCE national organization for the excellent activities, achievements and services demonstrated in the previous year.

Viet Sang Doan received the university's Student Award for Excellence in Research for his work involving microparticles in the Thermofluids Lab.

Marc Ivan Manalac led a team of students to the finals in the National Security Innovation Network's "Beat the Blaze" competition, creating a plan for a long-range outdoor fire detecting system.

May 2021:

Team Hālonā was selected as one of seven winners in the joint U.S. Department of Energy and NOAA Ocean Observing Prize: Design Contest, for an exceptionally innovative wave-powered autonomous underwater vehicle (AUV) charging station.

The **Concrete Canoe** team was invited to participate in ASCE's national competition, this year held virtually, after being selected as the Wild Card entrant.

June 2021:

Team Hōkūlele won second place in the Friends of Amateur Rocketry (FAR) 1030 Competition, successfully launched their 15-foot rocket and payload in the national competition in Mojave, California.

The state of the College of Engineering, from Page 4

Members of **UH Parcel Service (UHPS)** created a wireless prototype delivery vehicle capable of traveling up to four miles per hour, carrying a load of up to 300 pounds, traversing up inclines of 15 degrees and delivering and receiving packages.

Harrison Togia and **Khaldoon Ishmael** received \$5,000 Scholar Awards from the ARCS Foundation—Honolulu Chapter.

July 2021:

COLLEGE-WIDE

Multiple facilities received equipment upgrades, such as the Clean Room with its new **maskless lithography tool**, an MLA150 system from Heidelberg Instruments. The instrument, worth over \$500,000 and funded primarily by an NSF grant, uses ultraviolet light to rapidly generate intricate patterns. The CoE also received a new Markforged **Metal X 3D printer** from the Naval Sea Systems Command (NAVSEA) for educational and research purposes, which is part of a three-year joint-use agreement between the organizations. A small unveiling ceremony was held in November featuring both College and Pearl Harbor Naval Shipyard and IMF personnel.

Additionally, College of Engineering students participated for the first time in a program called **“Hacking for Defense” (H4D)**, an initiative run by the U.S. Department of Defense (DoD) that empowers students to solve engineering-related issues facing the military today. The inaugural spring course, co-taught by **Marvin Young**, a UH Mānoa mechanical engineering adjunct professor, had students developing minimum viable products to address existing challenges in national security.

Outreach efforts to our local K-12 students continued to gain traction with the College’s continued involvement in the **Engineering Sector Partnership** and related efforts to build a STEM-capable workforce with a cradle-to-career approach. One such new program that launched, **EngineeringHI**, is a new intensive academic mentorship program in partnership with James B. Castle High School in Kāne’ohe to create a bridge between high school and college students, allowing high-performing undergraduates to connect with and mentor high schoolers needing extra assistance in math and science classes on a nearly peer-to-peer level.

Virtual events were the norm, but they were

by-and-large successful and achieved the same goals as their in-person predecessors. These included: Career Days (fall/spring), the Faculty and Staff Awards Ceremony, Convocations (fall/spring), Open Houses, Junior Expo, and the Annual Banquet, which exceeded its fundraising goal and brought together hundreds of those from the local engineering community.

A new event, The College of Engineering **Leadership Seminar Series**, launched in the spring, bringing in a different community leader each month to share their wisdom and experiences with students, staff, and alumni. Spring speakers included **Stanford Carr, Mayor Blangiardi, Glen Kaneshige, Lance Wilhelm, Susan Eichor, and Susan Yamada.**

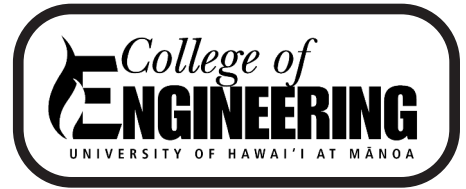
ALOHAnet, the revolutionary wireless technology that was born at College in 1971, was celebrated with an IEEE Milestone Dedication Ceremony in October and again in June with the 50th Anniversary Mini Symposium that brought together wireless communications experts from around the country to celebrate its development and impact on modern life.

On a somber note, **ALOHAnet** founder and Professor Emeritus **Norm Abramson** passed away in December, which added another level of meaning to the subsequent Mini Symposium and gave friends and colleagues a chance to remember his contributions.

The College also mourned the loss of **Horst Brandes**, a longstanding professor in the Department of Civil and Environmental Engineering, who passed away in November.

In academics, the **aerospace engineering concentration** is posed to grow after AEC, which launched in 2019, was approved to be transferred from the BS in engineering science to the BS in mechanical engineering beginning in fall 2021. This move will streamline curriculum offerings, as many courses in aerospace engineering overlap with mechanical engineering.

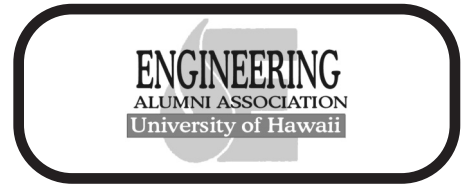
The College received many generous donations from industry this past year to support its students, research and programs, including: \$160,000 from **Nan, Inc.** to fund a scholarship for civil and environmental engineers; an extended commitment from **SSFm** for over \$264,000 to fund multiple scholarships; \$5,000 from **Trane Technologies** to support the Native Hawaiian Science and Engineering Mentorship Program; and **a pair of anonymous \$1 million gifts** from the same donor to establish the college’s first endowed chair in honor of world-renowned Hawai’i engineer Alfred A. Yee.



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	Ian Robertson
EE Chair	Wayne Shiroma
ME Co-Chairs	Lloyd Hihara and Weilin Qu
HAWTI Dir.	Magdy Iskander



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

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Cristina Felicitas
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