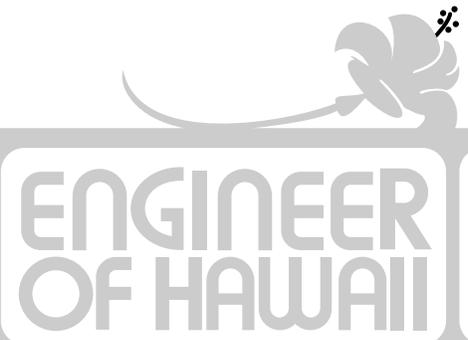


wiliki o hawaii



VOL. 60 NO. 3

SERVING 2000 ENGINEERS

MAY 2024

UH MANOA ASCE STUDENT CHAPTER HOSTS PACIFIC SOUTHWEST SYMPOSIUM

The Pacific Southwest Symposium (PSWS) is ASCE's annual student chapter civil engineering competition between universities in the Pacific Southwest region. The three day event, held on April 4-6, had over 740 civil engineering students from 14 universities across Southern California and the University of Hawaii at Manoa compete against each other in a wide variety of events including, but not limited to, concrete canoe, steel bridge, environmental design, geowall, technical paper, timber-strong design build, surveying, sustainable solutions, transportation design, and multiple intramural sports competitions.

The University of Hawaii at Manoa's Student Chapter had the responsibility and honor of hosting the 2024 PSWS. The students started planning the symposium from late 2022 and had regular meetings with ASCE Society leadership and the local ASCE Hawaii Section. Their tasks included organizing lodging for the visiting students, reserving locations and venues to hold the events, transportation, food, volunteers, fundraising, soliciting sponsorships, and planning an awards banquet to close out the events. Dr. Oceana Francis, a professor with the Department of Civil and Environmental Engineering and Sea Grant College Program, was the Faculty Advisor to the students. The UHM student team was led by symposium Chairperson Travis Nitta with 14 additional board members.

"(The Symposium) tested my decision-making, project management, and ability to work under pressure while balancing my student and personal responsibilities. I most appreciate the faith that people had in me and my team to put this together...and I hope we delivered it well," says Travis Nitta, when asked about his experience chairing the event.

This symposium provides a wonderful opportunity for the students to showcase their civil engineering knowledge by applying it through the various technical events held throughout and provides for valuable networking with their fellow civil engineering students from other universities. The events also teach the students about teamwork, planning and scheduling, public speaking, and technical writing. The University of Hawaii last hosted this conference back in 2009.

The UH Student Chapter finished in the top three in the following categories:

Overall: 4th Place

Steel Bridge:

- Aesthetics: 1st Place
- Efficiency: 1st Place
- Stiffness: 2nd Place
- Lightness: 4th Place
- Cost Estimate: 4th Place

Concrete Canoe Overall: 2nd Place

- Project Proposal: 2nd Place

- Final Product – 2nd Place
 - Mens Sprints – 1st Place
 - Mens Slalom – 2nd Place
 - Co-ed Sprints – 1st Place
- Prestressed Concrete Beam: 3rd Place
Technical Paper: 3rd Place
Sustainable Solutions: 4th Place
Dodgeball: 1st Place
Basketball: 2nd Place
Volleyball: 2nd Place
Scavenger Hunt: 2nd Place
Ultimate Frisbee: 3rd Place
Kan Jam: 3rd Place
Moa Pahe'e: 3rd Place

The students presented their results and highlights of the symposium at the ASCE Hawaii Section April Monthly General Membership Meeting at Dave and Busters on April 18th. Congratulations to the University of Hawaii ASCE Student Chapter for placing in the categories above and for hosting an amazing symposium!

In addition to the amazing work that the Student Chapter put in to organize and run the conference, ASCE Hawaii Section would also like to recognize all the time donated by the engineers in our local community for their help with judging, planning, setting up, and helping with various day-of activities throughout the three days. These volunteers helped to make the event a successful one.



PSWS 2024 Committee



Teams loading the concrete canoes into the water at Keeki Lagoon before the race



Loading of the UH steel bridge with spectators



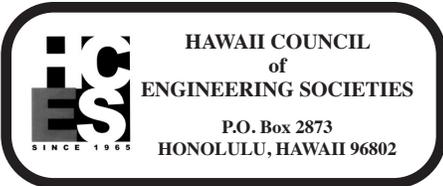
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Additions and/or corrections to the Wiliki mailing list should indicate the proper society, institution or association. Corrections to email addresses should be submitted to your society coordinator.



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of
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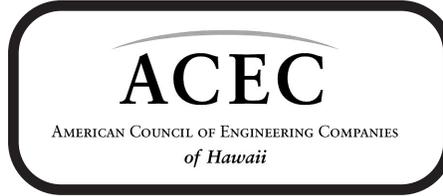
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SAVE THE DATE: KAMEHAMEHA SCHOOLS UPDATE PRESENTATION ON MAY 15

Save the date for May 15, 2024! ACECH, in partnership with the American Institute of Architects (AIA) Honolulu and the General Contractors Association (GCA) of Hawaii, will be holding a presentation and pau hana networking event at The Pacific Club Honolulu. The committee has invited Walter Thoemmes, the Managing Director of Planning, Industry, and Development for Kamehameha Schools (KS), to speak to members from each organization on a comprehensive overview of KS projects. The committee is also seeking sponsors to lessen the cost for attendees. For more information on how to sponsor and to stay updated on event details, look to <https://acechawaii.org/save-the-date-kamehameha-schools-update-presentation-on-05-15/>.

SAVE THE DATE: MAY GENERAL MEMBERSHIP MEETING ON MAY 8

ACECH's next General Membership Meeting (GMM) will be held on Wednesday, May 8, at The Pacific Club Honolulu. Ian Kitajima, President of the Pacific International Center for High Technology Research, will present "Today's AI—the fun, the freaky, and amazing!" If you are interested in learning more about AI, we recommend to go! Stay up to date with information related to time and registration by going to <https://acechawaii.org/may-general-membership-meeting/>.

ACEC 2024 ANNUAL CONVENTION & LEGISLATIVE SUMMIT MAY 13-MAY 16 REGISTRATION STILL OPEN

Registration is still open for the American Council of Engineering Companies (ACEC) 2024 Annual Convention & Legislative Summit, which will take place from May 13 to May 16 in Washington, D.C. There will be a variety of opportunities to attend general and specified informational sessions, create relationships with peers and vendors, and participate in ACEC Coalitions and committees. Registration for this event can be found at <https://convention.acec.org/attend/>.

THANK YOU TO EVERYONE WHO DONATED TO THE UNIVERSITY OF HAWAII AT MANOA'S GIVING DAY 2024

ACECH supported this year's Giving Day

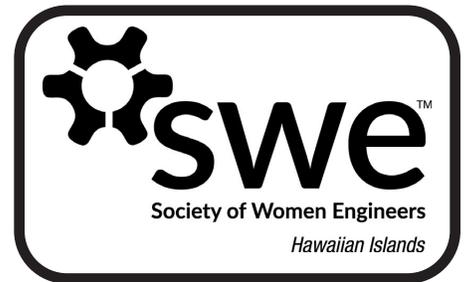
for the University of Hawaii (UH) at Manoa on April 10. Two tickets to any upcoming General Membership Meeting were offered to all member firms that contributed more than \$200 or \$500, depending on the firm's size. The Civil, Environmental, and Construction Engineering departments raised \$11,105, and overall, \$587,703 was gifted to the University of Hawaii at Manoa! Thank you to everyone who donated and helped create more opportunities for students and the rest of UH Manoa's community to succeed. Check out UH Manoa's website to read more about this year's Giving Day at <https://givingday.uhfoundation.org/giving-day/85059/department/89946>.



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www.aacehawaii.com

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Secretary Vinson Hiraoka, CCP
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The local section, AACE Hawaii, was originally established in 1973. It achieved both the Platinum and Gold Award for seven consecutive years 2014-2023. 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.hisecton@gmail.com
Facebook: www.facebook.com/swe.hawaiianislands

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

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Vice President: Lee Danielle Young
Treasurer: Kristen Yoshida
Secretary:

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.





Institute of Electrical and Electronic Engineers

The IEEE is the world's largest technical organization dedicated to advancing technology for the benefit of humanity.

Website: r6.ieee.org/hawaii

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Vice Chair:	Matthew Sahara
Secretary:	Quynh Tran
Treasurer:	Wayne Layugan
Past Chair:	Roxanne Birch

IEEE Executive Committee (ExCom) Meeting

Last meeting: April 4th, 2024

Next meeting: May 9th, 2024

Register here: events.vtools.ieee.org/m/405150

Crafting engaging slides for seminars and conferences

IEEE Hawaii Women in Engineering is going to host a seminar where we delve into the art of crafting captivating presentations tailored for both in-class seminars and oral talks at the international conferences. At this seminar, we'll explore the following key topics:

- Understanding How the Brain Processes and Retains Information: Gain insights into the encoding and decoding of the human brain and what the brain is attracted to.

- Tips to Capture and Maintain the Audiences' Attention: Discover effective techniques to engage your audience from start to finish, ensuring that your messages last.

- Tips to Create Informative and Impactful Slides: Unlock the secrets to making your slides clear to see, easy to read, and concise to remember

Date: 27 Apr 2024

Time: 10:00 AM to 11:00 AM

Register here: events.vtools.ieee.org/m/416327

IEEE Member Recognition



The IEEE Hawaii Section extends its heartfelt congratulations to Brianne Tengan for her remarkable achievement in being awarded the Membership Development Award by the IEEE Region 6. This prestigious recognition underscores Brianne's exceptional contributions towards fostering growth and enhancing engagement within the organization's membership network. Her proactive leadership and dedication have significantly strengthened IEEE's presence in Hawaii and beyond.

Generator Design 101 and Alternative Fuels

IEEE Industry Applications Society (IAS) Hawaii Chapter will be hosting a seminar series on generators with guest speaker and local legend, Cliff Yuen, from Hawthorne CAT. While geared towards a younger audience, this talk is great for EEs of all levels—whether you are a budding engineer looking to learn about best generator design practices, or are an experienced professional looking to brush up on basics and learn about alternative fuel sources that are becoming ever so common in our push towards a sustainable Hawaii.

This is a hybrid event. The in-person event will be held downtown in the Burns & McDonnell office, and refreshments will be provided by IEEE. Visit the IEEE vTools Event page for additional information. Contact **sahara.matthew@ieee.org** with any questions. Mahalo.

Date: 07 May 2024

Time: 04:30 PM to 5:30 AM

Register here: <https://events.vtools.ieee.org/m/417400>

For a full list of upcoming events, visit r6.ieee.org/hawaii/events.

IEEE Job Listings

The following jobs are currently listed on the IEEE Job Board.

- Bowers + Kubota Consulting - Senior Electrical Engineering Manager
- CENSEO AV+Acoustics - Audio/Visual Design Engineer/Consultant
- CENSEO AV+Acoustics - BIM Coordinator/Specialist
- CENSEO AV+Acoustics - Telecommunications Engineer/Consultant

For more information, visit r6.ieee.org/hawaii/jobs

IEEE UHM Student Branch Pi Day Social



On March 13th, the IEEE UH Manoa Student Branch held a Pi Day Social, where they celebrated with pizza, pie, and pie-ing their professors! Professor Galen Sasaki, Dean Brennon Morioka, Professor Mark Nelson, Professor Aaron Ohta, Assistant Dean Song Choi, Professor Boris Murmann, Associate Dean Steve Durbin, and Professor Wayne Shiroma stepped up to the plate to get "pied" by members of the UH Manoa College of Engineering.

IEEE Hawaii Section 8th Annual Whale Watching Cruise And Social On Atlantis Cruise Majestic

The IEEE Hawaii Section delighted members and guests with its 8th Annual IEEE Hawaii Section Whale Watch Cruise and Social, held aboard the Atlantis Adventures Majestic on Saturday, March 23rd. This eagerly anticipated event provided attendees with a unique opportunity to mingle, enjoy the scenic beauty of Hawaii's waters, and engage with IEEE Hawaii Section officers.

Scientific Entrepreneurship: Taking Labs results to market. Understanding the process, Assessing Markets and Securing Funding

On April 12, the IEEE Hawaii YPs hosted a seminar on Scientific Entrepreneurship by Senior IEEE Member and IEEE Industry Engagement Committee Member, Marc Perron. Attendees from across Region 6 (Western USA) and Region 5 (Southwestern US) learned about the essentials of navigating the technology transfer and deep tech entrepreneurship landscape, comprising three key components: Process, Assessing Market Viability, Securing Funding.

For more information about IEEE Hawaii YP and upcoming events, visit r6.ieee.org/hawaii-yp



In recognition of their remarkable initiatives and leadership, the IEEE Hawaii Section recognized Alvin Toda, Eugene Chang, and Brianne Tengan for their significant contributions. Alvin Toda was acknowledged for initiating the IEEE Hawaii Annual Whale Watching event in 2015, Eugene Chang for leading the initiative to setup, organize and champion the Life Member Affinity Group in 2023, and Brianne Tengan for chartering the Women in Engineering Affinity Group in the same year. Their initiatives serve as inspiring examples of the positive impact that individuals can have when they dedicate themselves to advancing the goals and values of the IEEE organization.



2023-2024 YMF Officers

- Lance Lam, President
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- Rebecca Pitts, Vice President
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- John Kim, Treasurer
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- Christine Mau, Secretary
secretary.ascehawaiiymf@gmail.com
- Brandon Uejo, Past-President
pastpresident.ascehawaiiymf@gmail.com

YMF General Meeting

The next YMF general meetings will be in-person on Thursday, May 2, 2024, at 6:00PM and Thursday, June 6, 2024, at 6:00PM. Please check our website, social media channels, or weekly eblast for the latest information on our upcoming general meetings and 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 ymf.hawaii@gmail.com.

Makapuu Point Lighthouse Trail Hike

By Al J Leano and David Nemoto, Social Chairs
On Saturday, March 16th, nine YMF members and some family members went on the Makapuu Point Lighthouse Trail Hike. Once reaching the top of the hike, the view transitioned from a paved surface overlooking the Kaiwi Scenic Shoreline to a panoramic ocean view. The hikers were rewarded for reaching the top by a pleasant ocean breeze and whale sightings! Thanks to all those who participated.



ASCE YMF Job Shadow Program

The Job Shadow Program is looking for students and industry professionals interested in becoming a mentee/mentor. Your interest and participation in this program will provide a valuable experience that will help guide students toward a successful path beyond graduation! If you have any questions and/or want to sign up*, please email the Job Shadow Program directly at ymfhawaii.jobshadow@gmail.com

*Note: Information collected will help the Job Shadow Program pair mentor(s) and mentee(s) up based on their experience and interest.

2024 PE Exam Update

The PE Exam is now computer-based, with appointments available year-round at Pearson VUE test centers. Information about how to register for the exam can be found on the YMF website: <https://ascehawaiiymf.org/pe-exam-information>

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? You can check out a free 1-hour lesson before committing to the program! The course cost is \$289, and we offer ASCE Hawaii YMF members a \$40 discount when registering. If you are interested in signing up for this course, please contact us at ymf808.pecourse@gmail.com for more information.



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- YMF Pres.: Lance Lam, P.E.
email: president.ascehawaiiymf@gmail.com

EXECUTIVE COMMITTEE MEETING

Last held: April 2, 2024
Next meeting: May 7, 2024

ASCE HAWAII SECTION DINNER MEETING

We will keep you informed via e-blasts and/or notices posted on our website at ascehawaii.org with the next dinner meeting information and schedule.

Cost: (RSVP via Eventbrite)

COMMITTEE POSITIONS

ASCE Hawaii is looking for volunteers for various committee positions, including 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 Eric Tomishima, etomishima@ascehawaii.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 Steven Doo at sdoo@ascehawaii.org.

ASCE GOLF TOURNAMENT

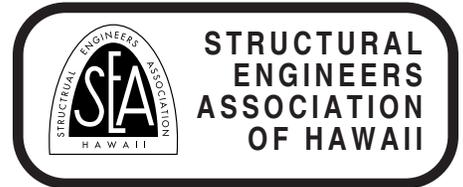
Save the date for this year's tournament, currently planned to be on Friday, August 16, 2024. Please note the revised date.

ASCE JOB LISTINGS

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

- **County of Hawaii, Department of Environmental Management Wastewater Division** (Civil Engineer I-IV)
- **Oceanit** (Civil Designer or Senior Civil Designer)

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



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twaitestrongtie.com
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tgreene@baseengr.com

Previous BOD Meeting

April 2, 2024

Upcoming Events

For all events see seaoh.wildapricot.org. Look for email flyers for registration of upcoming events.

- SEAHO Annual Convention – September 26 – 28 at Aulani. Details forthcoming.

Membership

Delores Herrera of SSFM International. has been approved as an Associate Member.

Next BOD Meeting

Wednesday May 1, 2024. For information, contact SEAHO President Tim Goshi at tgoshi@kaihawaii.com.



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- Vice Pres: Jeanessa Slaughter
- Secretary: Dan Mestas
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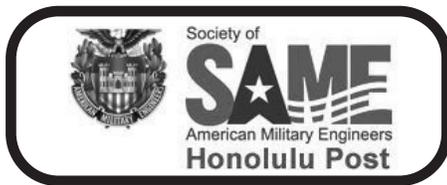
President: Keoni Wasano
keoni@goldwings-supply.com
 Vice Pres.: Mike Motoki
 Sec/Treas: Michelle Agustin Lindsey

April Meeting: On April 24, 2024, ITE held an in person/online hybrid section meeting where speaker Peter Koonce discussed artificial intelligence in Traffic Systems. Peter, a professor at Portland State University, teaches graduate level courses in transportation engineering. He discussed how he has helped implement AI into the traffic systems in Portland, which has helped improve safety for the many multimodal users in the area. Big mahalo to those who joined us, and if you are interested in attending a future event, please reach out to *joel@qrse.com*.

Upcoming Events:

- May 22, 2024: Technical Solutions Event
- June 23-26, 2024: ITE Western District Annual Meeting in Sacramento
- July 21-24, 2024: ITE International Annual Meeting in Philadelphia

If you would like to be informed on future ITE events or are interested in becoming a member, email Joel Thomas at *joel@qrse.com*.



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

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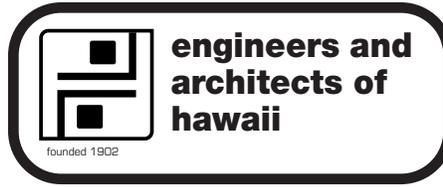
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Accepting Applications Now!

2024 SAME Honolulu Scholarship Program Application Deadline: May 31, 2024

The 2024 SAME Honolulu Post Scholarship Program is now accepting applications. Application deadline is May 31, 2024. Four year scholarships worth \$6,000 are available to current high school seniors entering their freshman year of college and one-year scholarships worth \$1,500 are available to continuing college students and veterans. Students must be pursuing or enrolled in an accredited architecture or engineering program.

For more information on the 2024 scholarship program categories, eligibility, and application requirements, download the 2024 SAME Honolulu Scholarship Application at *https://www.same.org/honolulu/outreach/*. **Application deadline is May 31, 2024.** Any questions, contact Jennifer Kamo at *scholarship@samehonolulu.org*.



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

WEB address: *www.eahawaii.org*

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eah May Noon Meetings are scheduled for May 3rd and May 17. Programs information will be available at *eahawaii.org*.

At the **Friday April 5, 2024** meeting, **Speaker John Landry** with the USS Midway Aircraft Carrier Museum Topic was **"Battle of the Coral Sea" Battle of the Titans**". John Landry returned to eaH to tell eaH about The Battle of Coral Sea, which was the first naval battle fought between aircraft carriers. The first sea battle where all the battle damage was done entirely by aircraft. John gave a day-by-day description of the battle and how the new technology Radar played a critical part of finding the Japanese location. The story of the daring, perilous, high stakes gamble by Admiral Nimitz to attack the Japanese navy that had the most powerful, lethal navy in the world. Two Japanese aircraft carriers were put out of action, which may have reduced the number of carries from 6 to 4 for the Battle of Midway. The Battle stopped the Japanese from capturing Port Moresby, stopped the Japanese advance in the Pacific and saved Australia from Japanese aggression. John is a docent at the USS Midway Aircraft Carrier Museum in San Diego, California

At the Friday **April 19th, 2024** meeting **Speaker Paul Fox**, Fire Protection Trainer / Photographer Retired Hickam AFB Topic was **The First CHEVRON Tank Farm Fire in IWILEI** on March 19, 1978

This tank farm fire was the first of three major tank farm fires on Oahu Fire. This fire was in 1978 at the Iwilei Chevron facility, which was where the 2nd fire occurred in 1980 (See eaH YouTube for Paul's talk on this fire). Even though this fire was almost 50 years ago. The lessons

learned from it are still relevant today. This fire did not actually involve a tank. It was a major ground/dike fire. There were many lessons to learn that day. Like the 1980 fire, this was a massive mutual aid incident. Key factors were learned at this fire, among them: how to deal with dike fires, pressure/3D fires, command and control, etc. With the elimination of AFFF as our primary flammable liquid firefighting capability, knowledge is ever so more important as the primary firefighting and fire protection capability!



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Website: *hawaii.apwa.org*

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 Members-at-Large Ed Chang, Justin Souza

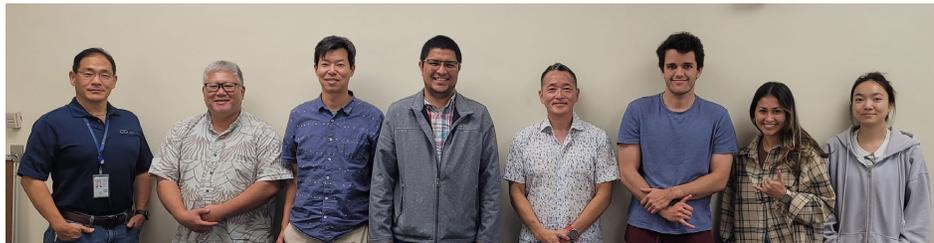
APRIL 12, 2024 GENERAL MEMBERSHIP MEETING

The hybrid meeting was held at UH Manoa, Holmes Hall with the ASME Student Section officers. It featured Capt. Ryan Satsuda as speaker who shared his more than 28 years of experience in leading emergency responses for medical, fire and environmental incidents. He emphasized how his engineering background helped shape his response strategies and inform leadership of different technical characteristics. It was great having the students at the meeting and a big mahalo to Ryan Satsuda for his time.

ELECTIONS FOR ASME-HAWAII 2024-2025 VOLUNTEERS OFFICERS

ASME Hawaii is electing volunteers for its Senior Leadership Team (SLT) for the next ASME fiscal year from July 2024 to June 2025. The SLT includes the Section Chair, Vice-Chair, Treasurer, Secretary, and three Member at large.

Polling is available from May 1st to 15th, 2024. Please send any inquiries at ASMEHawaii@gmail.com.



From left to right, ASME Hawaii section, Derek Sato (Secretary), Raymond Liu (Vice-Chair), Dr. Woochul Lee (Student Section Advisor), Justin Souza (Member-at-large), Ryan Satsuda (Speaker); and ASME student section officers, Karl M. (Events Chair), Abigail M. (President), and Jiayi L. (Vice-President).

FRANCIS RHODES MONTGOMERY DESIGN COMPETITION JUDGES

ASME Hawaii is hosting the mechanical engineering student design competition. It is going to be held on May 3rd, 2024, at UH Manoa from 12 pm to 6 pm. Please contact us for any inquiries.

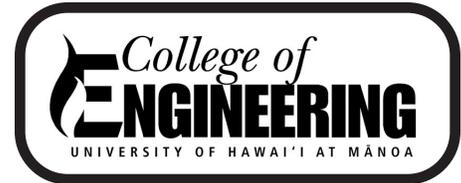


<http://www.hawaiispe.org/>

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IConstantinescu@BrwnCald.com
 Pres. Elect: Mike Silva
mike@femaui.com
 Vice Pres: Sara Doi
sdoi@bowersandkubota.com
 Past Pres: Sara Doi
sdoi@bowersandkubota.com
 Secretary: Vacant
 Treasurer: Kurt Kunimune
kkunimune@bowersandkubota.com
 HOD '19-'21: Mike Lum
mlum@bowersandkubota.com

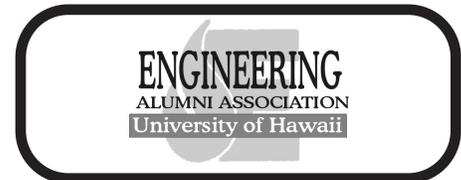
**Deadline for
 Wiliki
 is May 15th**



2540 Dole Street, Holmes Hall
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Associate Dean	Steven M. Durbin
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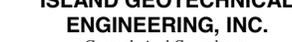
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