

2023 OUTSTANDING CIVIL ENGINEERING ACHIEVEMENT AWARD WINNERS

The American Society of Civil Engineers (ASCE) Hawai'i Section is pleased to announce the 2023 Outstanding Civil Engineering Achievement (OCEA) Award winners. The purpose of this award program is to recognize projects that demonstrate important outstanding civil engineering accomplishments by Hawai'i's design and construction professionals. To be eligible, projects were required to have been designed or constructed in Hawai'i and completed within the last two years. Some of the key judging criteria included: resourcefulness in planning and solving design challenges; contributions to the well-being of people and communities; pioneering use of materials and methods; innovations in construction; minimization of impact on physical environment; and composite application.

The following projects and project teams were honored and presented with awards at the ASCE Hawai'i Section OCEA Awards Ceremony, which was held on Thursday, September 21 at the Ko'olau Ballrooms. Congratulations to our winners!

2023 Hawai'i Section OCEA Grand Award Winner and 2023 Best Transportation Project

Project Name: **Kapa'a Stream Bridge and Kūhiō Highway/Ma'ilihuna Road Roundabout**
Project Owner: **Federal Highways Administration, Central Federal Lands Highways Division**

Submitted by: **Jacobs Inc.**

The Kapa'a Stream Bridge and Kūhiō Highway/Ma'ilihuna Road Roundabout project stands as a testament to unique and outstanding civil engineering accomplishments. The project's construction innovations, exemplified by visionary roundabout design and integration of GRS abutments, harmoniously blend advanced engineering and environmental consciousness, preserving aesthetics and history. The project's design ability and meticulous execution signify more than just building infrastructure—it symbolizes progressive respect for the past and an embrace of the future.

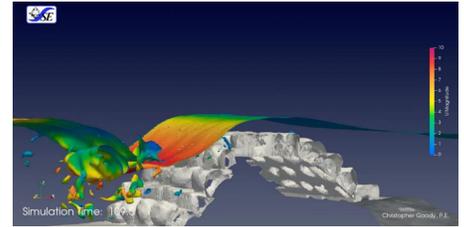
2023 Best Studies and Research Project

Project Name: **Future Stability & Adaptation Under Sea Level Rise at Hilo Breakwater: A Numerical Assessment Utilizing Computational Fluid Dynamics**

Project Owner: **US Army Corps of Engineers**

Submitted by: **Sea Engineering, Inc.**

The Hilo Breakwater extends more than 10,000 feet from the Hilo shoreline into the bay, forming the protected inner harbor. The rubble-mound breakwater was constructed in the early 1900s over the course of nearly 25 years to provide a sheltered environment for the Hilo Deep Draft Harbor. Using Computational Fluid Dynamics, the current project provided an in-depth analysis of the breakwater's performance and armor stone stability under present and future wave conditions and rising sea levels, using high resolution three-dimensional computational fluid dynamics models.



2023 Best Building/Structural Project

Project Name: **Ko'ula High Rise**

Project Owner: **Howard Hughes**

Submitted by: **BASE**

Ko'ula is a 41-story mixed-use development featuring 942,000 square feet of built area, including a 566-unit residential tower, common and amenity spaces, 58,300 square feet of retail space and six stories of above-grade parking. Koula means "red sugar cane" and inspired the undulating sculpted structural columns at its exterior façade, evoking the twisting nature of the sugar cane reeds prominent in Hawai'i. Ko'ula is an iconic structure to serve as a hub for Ward Village's residents and prominently anchor the development's central park.





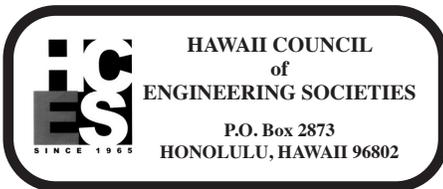
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Additions and/or corrections to the Wiliki mailing list should indicate the proper society, institution or association. Corrections to email addresses should be submitted to your society coordinator.

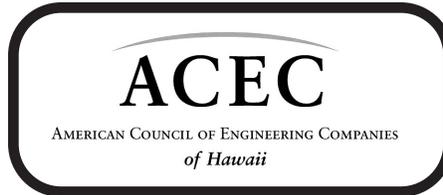


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KĀPILI MAUI

The American Council of Engineering Companies Hawaii (ACECH) joined forces with the Hawaii Water Environment Association (HWEA), American Society of Civil Engineers (ASCE) Hawaii Section, American Water Works Association (AWWA-HI) Hawaii Section, Hawaii Society of Professional Engineers (HSPE), Institute of Electrical and Electronics Engineers (IEEE) Hawaii Section, and Structural Engineers Association of Hawaii (SEAOH) to form Kāpili Maui (Kāpili translates to: build, put together, mend, fix, repair, unite).

Kāpili Maui is starting a scholarship fund for students that have been impacted by the August 2023 Maui wildfires. The goal is to set up a scholarship fund to support an entire generation of students whose lives have been impacted by the wildfires. Visit <https://acechawaii.org> for more details.

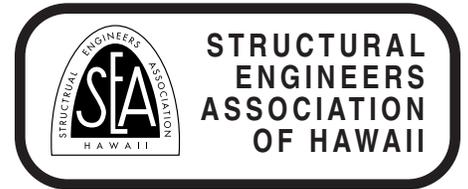
CONGRATULATIONS TO ACECH EMERGING LEADERS PROGRAM COHORT #4 GRADUATES!

The ACECH Emerging Leaders Program (ELP) just wrapped up its fourth cohort with a graduation ceremony recognizing its 18 students on October 12. Congratulations to these emerging leaders who are on track to become the next generation of engineering leaders in Hawaii: Kai Akiona-Ferriman, Irina Constantinescu, Sara Doi-Tanaka, Grant Harrington, Allison Ichikawa, Carly Kaneko-Uejo, Bryce Kanemura, Brett Kuamoo, Joe Kwan, Norman Leong, Mitchell Nagata, Eric Nguyen, Chris Pruitt, Steven Ikaika Rodenhurst, Jason Soriano, Ryan Valerio, Juanita Wolfgramm, and Ryan Wubbens. The program's fifth cohort is slated to start in March. Visit <https://acechawaii.org> for more details.



ACECH GENERAL MEMBERSHIP MEETING SCHEDULED FOR NOVEMBER 8

The next General Membership Meeting will be held during breakfast on November 8 at the Oahu Country Club. The graduates of Cohort 4 of the ACECH Emerging Leaders Program will be presenting summaries of their capstone projects. Topics include staff retention, permitting, workforce development, and aging infrastructure. Visit <https://acechawaii.org> for more information and to register.



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

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Previous BOD Meeting

October 3, 2023

Upcoming Events

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

- SEAOH November Meeting – Thursday, November 2, 2023 at 10:00 AM, AIA Honolulu, 828 Fort Street Mall, Suite 100. Presentation on Wind Design in Hawaii by Gary Chock of Martin, Chock & Carden, Inc.

Membership

The following membership applications have been approved:

- Spencer Chung, KAI Hawaii, Associate Member
- Aaryk Iwamoto, Iwamoto Engineering Consultants, Student Member

Next Meeting on Friday, December 15, 2023. For information, contact SEAOH President Mike Greer at mgreer@wje.com.



<http://www.hawaii.spe.org/>

HSPE Officers for 2021-2022

Acting Pres.: Irina Constantinescu
IConstantinescu@BrwnCald.com
Pres. Elect: Mike Silva
mike@femaui.com
Vice Pres: Sara Doi
sdoi@bowersandkubota.com

Nominations for the **Engineer of the Year** and **Young Engineer of the Year** candidates are being accepted. Nomination forms will be available by contacting Kurt Kunimune of HSPE. The awardees will be presented at the Engineer's Week Banquet in February of 2024. Please contact Kurt Kunimune of HSPE at kkunimune@bowersandkubota.com for nomination forms or with any questions. Nominations will be due by Wednesday, December 27, 2023. Mahalo!



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

**IEEE Hawaii Section
 2023 Officers**

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**IEEE Communications Society - Monthly
 Technical Meeting
 Introducing Wi-Fi Sensing and the IEEE
 802.11BF Standard**

Tues, Nov 14, 5:30 pm at the Entrepreneurs
 Sandbox - Free

Abstract, Speaker's Bio, and Registration at
<https://bit.ly/45LkMcV>



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 Members-at-Large: Ed Chang, Justin Souza

**October 13th, 2023 General Membership
 Meeting Notes**

- Held first in person meeting after the pandemic with the presence of students at UH Manoa College of Engineering.
- Need to start planning for FRMDC and ask for volunteer judges. Please let us know if you are interested with helping.
- Update ASME's brochures and display.

NEXT MEETING

TBD via Zoom.

REQUEST FOR SPEAKERS

ASME welcomes guest speakers to present any topic during our general meetings. If interested in presenting, please contact us at ASMEHawaii@gmail.com.



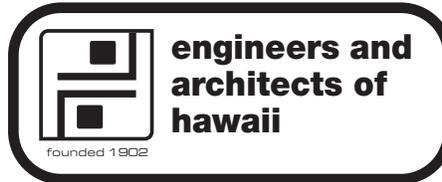
2022-2023 Officers:

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The ITE Hawaii Section hosted our 2023 ITE Hawaii Section Annual Meeting featuring our Special guest, Kimberly Leung, ITE Western District President. ITE members were able to reconnect with friends, make new acquaintances, and celebrate the end of another successful year for the Hawaii Section.

Just as a reminder, no meetings are scheduled in November and December of 2023. We hope the end of the year is great for everyone and can't wait to see everyone in 2024!

If you would like to be added to the ITE mailing list, please email Michelle Agustin Lindsey at magustin@wilsonokamoto.com.



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 Wiliki November Notice

November Program: Chair Kim Kido eah Member

Friday Nov 3 - The USS Midway Story

Speaker: John Landry: Docent - USS Midway Museum

How did the USS Midway Museum become the 5th most popular museum of any type in the United States, of 35,000 museums? Discover the "Secret Sauce" that draws nearly one million visitors from around the world and why Midway has become one of San Diego's most valued community resources and America's emerging living symbol of freedom.

A docent at the USS Midway Museum for 11 years and member of Midway's Speakers Bureau, John is a retired U.S. Navy veteran and a Principal Architect. He was the ASW Officer and Nuclear Weapons Officer aboard the guided missile destroyer USS Tattnell DDG-19 and was part of DesRon 2 (Destroy Squadron 2) during the blockade of Cuba in 1962.

Friday Nov 17 - Fire and Invasive Plants at Hawaii Volcanoes National Park (HAVO)

Speaker: Sierra McDaniel - Natural Resources Program Manager Hawaii Volcanoes National Park

Sierra McDaniel will share her experience navigating the fire dynamics at HAVO as she works to help conserve rare and endangered plants and support restoration efforts there.

Sierra McDaniel currently serves as the Natural Resources Program Manager at Hawaii Volcanoes National Park. She started her career in conservation studying fire effects on Native Hawaiian ecosystems and for the past two decades has focused her work on restoration following cattle grazing, rare and endangered plant recovery, and post fire rehabilitation. She holds a Bachelor's degree in Biology and a Master's in Tropical Conservation Biology and Environmental Science.

In recent meetings **eah** learned about 'Mobility Hubs' from **Kiana Otuka** from the State Energy Office and the latest on **Skyline** by **HART CEO Lori Kahikina**.

Engineers and Architects of Hawaii at PBX23

Participants in **PBX23**, sponsored by **CSI**, gathered enthusiastically at the **Hawaii Convention Center** on September 27. Hawaii's construction and design professionals were afforded the opportunity to attend 16 seminars, visit more than 200 exhibit booths and network with their peers. The event ended with a hosted Pau Hana Celebration with prizes and pupu.

As one of the exhibitors, **eah's** table display showcased four videos of previous meeting speakers on two separate monitors. A colorful page listing 56 YouTube Videos of previous **eah** meetings was given out to the visitors (YouTube Channel **eahawaii1902**). Over 20 attendees signed up to join **eah's** mailing list and meeting invite. Each received an information card with a **QR** code for additional information. The card entitles the recipient to 2 free lunches at future meetings.

Four **eah** members engaged in an experiment to act as a roving video interview team visiting other booths in the exhibit hall. It was conducted via Zoom for real time access and recording for input to our web and YouTube public archives. **eah** member **Ovi Bun** hosted the Zoom session from Romania! **Aaron Erickson, Phil Blackman, and Sam Gillie** teamed up on the convention floor.



eah members Sam Gillie and Barbara Rogers host visitors



Engineers and Architect PBX23 Booth

OCEA, from Page 1

2023 Best Humanitarian Project

Project Name: **Waiāhole Potable Water System Emergency Repairs**

Project Owner: **Hawai'i Housing Finance and Development Corporation**

Submitted by: **Okahara and Associates, Inc.**

The Hawai'i Housing Finance and Development Corporation (HHFDC) owns and maintains a private potable water system which provides domestic and agricultural water for the Waiāhole Valley Agricultural Park and Residential Lots Subdivision. The water system is the sole source of potable water for the area. After a large storm caused extensive damage to the site and halted the system's continued operation, Okahara was able to shift focus, complete the emergency repair package, receive contractor bids within forty-four days, and complete the repairs within a year.



2023 Best Water/Wastewater/Environmental Project

Project Name: **Wailuku-Kahului Wastewater Reclamation Facility**

Project Owner: **County of Maui Wastewater Reclamation Division**

Submitted by: **Kennedy Jenks**

The Wailuku-Kahului Wastewater Reclamation Facility (W-K WWRF) plays a crucial role in serving the economic heart of Maui by treating wastewater and discharging treated effluent, protecting the recreational waters for residents and visitors. The project developed the W-K WWRF Facility Plan to establish the level of service goals and requirements for the facility through the planning horizon of 2050. The Plan evaluated the W-K WWRF's condition, capacity, and reliability to provide a roadmap for recommended improvements.



We also honored the **2023 ASCE Region 8 Young Engineer of the Year, Carly Kaneko, P.E.**



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- Past Pres.: Reyn Hashiro, P.E.
email: rhashiro@ascehawaii.org
- YMF Pres.: Lance Lam, P.E.
email: president.ascehawaiiymf@gmail.com

EXECUTIVE COMMITTEE MEETING

Last held: October 3, 2023

Next meeting: November 8, 2023

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 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.

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 JOB LISTINGS

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

- **Bowers & Kubota** (Civil Designer III, Project Engineer, Project Engineer – Hilo, Project Manager)
- **County of Hawaii, Department of Environmental Management Wastewater Division** (Civil Engineer I-IV)
- **EnviroServices & Training Center LLC** (Environmental Engineer/ Environmental Scientist)
- **Oceanit** (Civil Designer or Senior Civil Designer)

For further information, please visit

<http://www.ascehawaii.org/job-listings.html>



Website: hawaii.apwa.org

2023 Officers

- President: Rouen Liu
- Vice-Pres: Tyler Sugihara
- Secretary: Trevor Vagay
- Treasurer: Dawn Szewczyk

Maui Fire and Disaster Relief Donation Drive

Region VIII, which is comprised of chapters in the states of California, Nevada and Hawaii, completed a September month-long donation drive for the goal of assisting Maui County in their recovery efforts from the August 8 wildfires. On behalf of Region VIII, the Chapter is proud to announce the donation drive met its \$10,000 goal. The APWA community also sends its aloha and heartfelt condolences to those impacted by the wildfires.

Annual Education Fund Golf Tournament

The 28th Annual Education Fund Golf Tournament was held April 14, at the Ala Wai Golf Course. Golf Committee Chair Rouen Liu extends a big mahalo to all participants and volunteers for yet another successful event. Proceeds will sustain the Chapter's education fund which provides annual monetary awards at the State Science and Engineering Fair and annual partial scholarships towards higher education.

Community Service – South Street Protected Bike Lane Maintenance

The Chapter participated in the City's Mālama O Ka 'Aina program on July 22 to replace damaged delineator posts along the South Street protected bike lane. Mālama O Ka 'Aina is a partnership between the City & County of Honolulu and its citizens to care for our land and help keep our island community a quality place to live. Volunteers provide much needed support in this partnership, and the Chapter is proud to have made a difference in the community.



Volunteers pose proudly in front of damaged delineators that were



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 Tuesday, November 7, 2023, at 6:00 PM and Wednesday, December 6, 2023, 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.

Intro to Home Buying and Affordable Housing Presentation

By Jordan Urabe, Technical Presentation Chair
On August 8th, 2023, sixteen ASCE YMF members attended the Introduction to Home

Buying and Affordable Housing presentation by Mr. Tristan Castro, a loan officer with CMG Home Loans, and Mrs. Ayumi Kim-Castro, a realtor associate with Berkshire Hathaway HomeServices. Castro explained the different types of loans available to first-time home buyers and a loan officer's role in the pre-approval process to evaluate each buyer's unique financial circumstances and their home buying goals. With all of the new affordable condominium projects on the (high-)rise, Kim-Castro explained common stipulations such as "buyback" periods and "shared appreciation equity" clauses that first-time home buyers should consider with their long-term financial and home owning goals.

Special thanks to Tristan and Ayumi for the educational opportunity and to Castle & Cooke Hawaii for hosting the venue.

Golf Outing at Bayview Golf Course

By Preston Matsuo, Former Golf Activities Chair
On Saturday, September 9, 2023 YMF set out to Bayview golf course for some relaxation and (for some) much needed practice on the course. After the round, we went to recharge at Buffalo Wild Wings to share our favorite wings and sides and get some networking in with all the new faces. Interest in the golf committee has been increasing year after year, so the turnout we had made this the perfect conclusion to our 2023 golf events! We look forward to more fun (and less strokes) next year!

BBQ Picnic with ASCE UH Manoa Student Chapter

By Al J Leano and Ricky Funai, Social Activities

Chairs

On Saturday, September 16, ASCE Hawaii Section YMF and UH Manoa's ASCE Student Chapter had a social mixer BBQ at Magic Island Beach Park. As the student chapter has started a new school year, it was a great opportunity to bring the two organizations together! With over 30 YMF and Student Chapter members at the event, the afternoon was filled with interesting conversations, volleyball hitting, spikeball spiking, and football throwing fun. It was great to hang out with the Student Chapter and we look forward to collaborating with them for future events!

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.

2023 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>.



Home buying seminar



BBQ picnic with UH Manoa Student Chapter

Professional Directory

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