

## 2022 ACECH ENGINEERING EXCELLENCE AWARDS

The 2022 American Council of Engineering Companies of Hawai'i (ACECH) Engineering Excellence Awards (EEA) returned as a virtual event again this year. The awards program culminated in a virtual celebration held on March 10, 2022. A total of 5 projects were recognized during this year's program, representing the best of engineering locally.

We had lots to celebrate this year, in addition to the outstanding entries received this year, one of our member firms and Excellence Award winner of last year's EEA competition locally, was named among the top 36 projects in the National ACECH EEA competition this year. Congratulations to Bowers + Kubota Consulting Inc.'s project Keauhou Beach Hotel and Site Demolition on their recognition!

The EEA is a program that showcases and honors the most outstanding work in the engineering community, recognizing the projects that exemplify the highest degree of merit and ingenuity. For over 40 years, ACECH has sent top winners from our local competition to the ACECH national competition, which is considered to be one of the most prestigious

competitions in the world. ACECH member firms have represented Hawaii well, garnering more than 30 awards in the national competition.

Top honors at this year's ACECH EEA went to Documenting Hawaii's Art in Architecture Program – Cascade, Prince Jonah Kuhio Kalaniana'ole Federal Building and U.S. Courthouse, submitted by Sam O. Hirota, Inc. The Interstate Route H-1, Kapolei Interchange Complex, Phase 2 project, entered by Wilson Okamoto Corporation was awarded the Excellence Award at this year's event.

**Grand Conceptor Award Winner:** Documenting Hawaii's Art in Architecture Program – Cascade, Prince Jonah Kuhio Kalaniana'ole Federal Building and U.S. Courthouse

Entering Firm: Sam O. Hirota, Inc.

Client: Clifford Planning & Architecture, on behalf of the General Services Administration Art in Architecture Program

The General Services Administration's Art in Architecture program seeks to enhance the understanding and appreciation of the public art installed in federal buildings throughout the United States. The Cascade monumental fountain sculpture was installed at the Prince Jonah Kuhio Kalaniana'ole Federal Building and US Courthouse in 1977. Due to the combination of aggressive environment and water falling over the concrete and coral aggregate composition, this fountain sculpture has deteriorated to a potentially dangerous extent. Surveying, engineering, and 3D

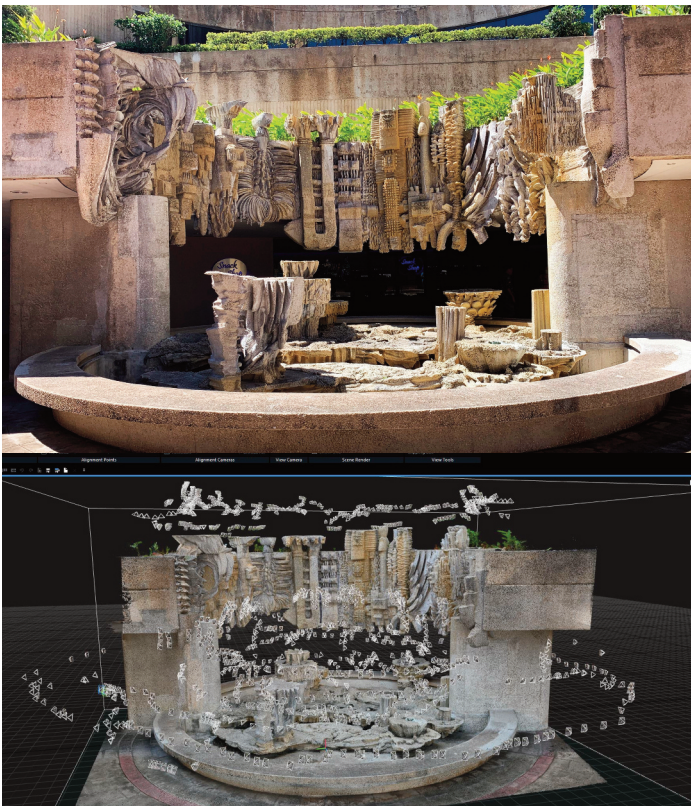
imaging firm, Sam Hirota Inc, was hired to digitally assess the condition of the sculpture to ensure its continued enjoyment by the public. The firm used a creative combination of 3D imaging sensors, powerful custom-built computers, and innovative software to produce virtual 3D models of the fountain that can be used as the basis of repair, restoration, 3D printing, and other conservation activities.

**Excellence Award Winner:** Interstate Route H-1, Kapolei Interchange Complex, Phase 2  
Entering Firm: Wilson Okamoto Corporation  
Client: State of Hawaii, Department of Transportation

Development of Kapolei, Oahu's "Second City" includes residential, commercial and government uses. Growth has led to increased traffic volumes along existing roadway systems in the area. As a result, the State of Hawaii, Department of Transportation in partnership with James Campbell Company, LLC designed and constructed the Interstate H-1, Kapolei Interchange Complex, Phase 2, as part of the overall "Interstate H-1 Addition and Modification of Highway Access, Makakilo and Palalailai Interchanges". Phase 2 was completed in February 2020. Improvements included a new interchange consisting of 1) new Wakea Street Overpass, 2) westbound loop off-ramp from H-1 Freeway to Wakea Street and 3) Farrington Highway, westbound on-ramp from Wakea Street to Farrington Highway. HDOT utilized CarbonCure Technology for the first time as a sustainable transportation initiative. Phase 2 is an integral part in providing direct access in and out of the heart of Kapolei and catalyzing future development of Oahu's "Second City".

**Honor Award Winner:** Cesspool Conversion Technologies and Finance Research Projects  
Entering Firm: Carollo Engineers  
Client: Hawaii State Department of Health

*continued on page 4*





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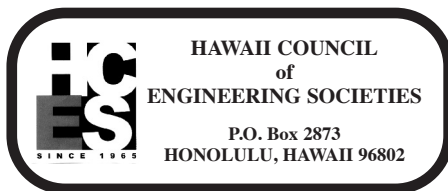
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**WILIKI MAILING LIST**

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.

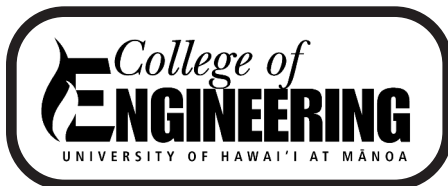


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## 22ND UH ENGINEERING BANQUET STARRING AUGIE T

**THURSDAY, APRIL 14, 2022**  
*Hawaii Convention Center*

**4:30 PM**  
*Doors open*

**4:30 -6:00 PM**  
*Student Project Expo & Cocktails*

**6:00 -8:00 PM**  
*Formal Program and Dinner*

*Comedy by The Honorable Augie T*  
*Music by George Kuo*

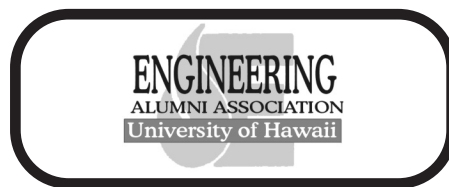
### SPECIAL AWARDS

**Distinguished Alumni**  
LORI KAHIKINA (*HART*)

**Dean's Award of Excellence**  
CHARLIE BASS (*Socket Mobile, Inc.*)

**Outstanding Service**  
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**RSVP by April 1, 2022, at**  
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YMF Pres.: Claire Fukuoka, P.E.  
email: [president.ascehawaiiyfm@gmail.com](mailto:president.ascehawaiiyfm@gmail.com)

### EXECUTIVE COMMITTEE MEETING

Last held: March 8, 2022  
Next meeting: April 6, 2022

### ASCE HAWAII SECTION DINNER MEETING

The UH Manoa ASCE Student Chapter will be sharing their experiences and accomplishments for the 2021-2022 school year, including highlights from this year's ASCE Southwest Regional Conference. Watch for an e-blast with additional information and a link to register for our next meeting.

Speaker: UHM ASCE Student Chapter  
Location: Dave & Busters, Paina Room

Time: 5:30 PM Social Time  
6:30 PM Dinner  
7:00 PM Program

Menu: TBD  
Cost: TBD

### 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 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 Cliff Lum, [clum@ascehawaii.org](mailto:clum@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](http://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 Sheila Uyeoka at [suyeoka@ascehawaii.org](mailto:suyeoka@ascehawaii.org).

### ASCE GOLF TOURNAMENT

Save the date for this 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** (Hawaii/Pacific Transportation Business Group Manager, Senior Civil Engineer, Project Manager, Civil Project 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>



### 2021-2022 YMF Officers

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[president.ascehawaiiyfm@gmail.com](mailto:president.ascehawaiiyfm@gmail.com)  
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### YMF General Meeting

The next YMF general meeting will be on Wednesday, April 6, 2022 at 6:00 PM (Virtually via Zoom). Please send your RSVP to [yfm.hawaii@gmail.com](mailto:yfm.hawaii@gmail.com). Please be sure to check out our website and social media channels for the most updated information on our upcoming general meeting 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 [yfm.hawaii@gmail.com](mailto:yfm.hawaii@gmail.com).

### HCES Engineers Week Outreach Event

On February 21, 2022, ASCE Hawaii YMF attended the Engineers Week Outreach Event held at Windward Mall and organized by the Hawaii Council of Engineering Societies (HCES). Five (5) volunteers from ASCE Hawaii YMF were able to share information about our

organization and the civil engineering profession with the public while challenging our younger visitors to identify items in a plan drawing and complete a cost estimate for a prize. We were excited to attend our first in-person outreach event since the start of the pandemic and are looking forward to attending more events in the coming year! Mahalo to HCES for planning and organizing the event and to Windward Mall for hosting!

### Hanauma Bay Ridge Hike Social Event

On Saturday, February 26th, twelve (12) members went on the Hanauma Bay Ridge Hike. Once reaching the top of the hike, the view transitioned from a paved surface overlooking Hanauma Bay to a panoramic ocean view. The hikers were rewarded for reaching the top with a pleasant ocean breeze and whale spotting! Thanks to all those who participated.



### ASCE YMF Job Shadow Program

The Job Shadow Program is looking for students and industry professionals that are interested in becoming a mentee/mentor. Your interest and participation through this program will provide a valuable experience that will help guide students towards a successful path beyond graduation! If you have any question and/or to sign up\*, please email the Job Shadow Program directly at [yfmhawaii.jobshadow@gmail.com](mailto:yfmhawaii.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.

### 2022 PE Exam Update

The PE Exam will be computer-based with appointments available year-round at Pearson VUE test centers beginning April 1, 2022. Information about how to register for the exam and purchase study materials can be found on the YMF website:

<https://ascehawaiiyfm.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? 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 us at [yfm808.pecourse@gmail.com](mailto:yfm808.pecourse@gmail.com) for more information.

**Wiliki  
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## 2022 ACECH ENGINEERING EXCELLENCE AWARDS, from Page 1

Hawaii has 88,000 cesspools that release 53 million gallons of wastewater into the groundwater table every day. Because over 90 percent of the State's drinking water is sourced from groundwater, cesspools pose both environmental and public health risks. In 2017, the State passed Act 125 which requires homeowners to replace their cesspools by 2050, and began developing a long-range plan for cesspool conversion. Carollo was retained to evaluate cesspool technologies and financing options that assist homeowners with collective conversion costs estimated at \$2 billion. Carollo's team brought unique expertise in onsite and centralized treatment and disposal systems critical to delivering this complex project. The evaluations were essential in assisting the State in advancing its conversion program and provided valuable recommendations on financial methodologies and tools and public outreach and education. The project reports will be valuable references for the State and stakeholders as the conversion progresses over the next decades.

**RULES ARE CHANGING FOR YOUR HOME CESSPOOL**

**CESSPOOLS NEED TO GO!**

Cesspools are underground wells used to dispose of household wastewater into the groundwater table. In 2017, the Hawaii State Legislature passed Act 125 requiring the replacement of all cesspools by 2050 to protect environmental contamination. Cesspools pose a high risk to drinking water resources and coastal ecosystems. Even if you don't plan on being in your house in 2050, having a cesspool will negatively affect the resale value of your home.

**HOW DO I KNOW IF I HAVE A CESSPOOL?**

- You probably didn't have a cesspool if:
  - You pay a sewer bill or sewer charge on your water bill.
  - Your home was built recently.
  - An alternative wastewater treatment system is shown in your residence on the "2019" residential floor plan.

Inquire with the Department of Health if you're unsure if whether or not you have a cesspool.

**OK, SO HOW DO I FIX IT?**

- 1. Hire a licensed civil engineer to help you make a plan.
- 2. Submit your plan to the Department of Health for approval.
- 3. Hire a licensed contractor to build new system.
- 4. Engineer or permits inspection report for approval.

**CAN I AFFORD THIS?**

Check out our local financing options. Typical replacement costs range from 25,000 to more than 500,000. For current financing opportunities, contact the Department of Health or visit their website listed below.

- State or County Support (if available)
- Home Refinancing
- Federal Grants and Loans (if available)

For additional information contact the Department of Health at 808-546-0243 or visit their website at [health.hawaii.gov/cesspool](http://health.hawaii.gov/cesspool).

## Honor Award & People's Choice Award Winner: KOA South Ramp Taxiway and Ramp Improvements

Entering Firm: Orion Engineers and Associates  
Client: State of Hawaii Department of Transportation, Airports Division

The General Aviation (GA) facilities providing support space for private and charter aviation, air tourism, pilot training, maintenance, and medical evacuations at KOA, required relocation to accommodate a new Federal Inspection Services (FIS) building. The KOA South Ramp Taxiway and Ramp Improvements project consisted of a taxi lane extension, new GA T-Hangars and apron with aircraft tie-downs, and new public access road. The successful completion of the project included: 1) Complex logistical and proactive coordination and scheduling, including meetings and on-site interviews, to accommodate GA tenants in temporary facilities, allow the existing facilities to be vacated, and the on-time completion of the



FIS. 2) Expedited design and early material procurement to accelerate the overall project schedule and 3) The use of sustainable design elements, including mobile temporary structures and stormwater treatment with new drywells to collect stormwater and mitigate any runoff to the ocean.

**Honor Award Winner:** Lima Ola Workforce Housing Development

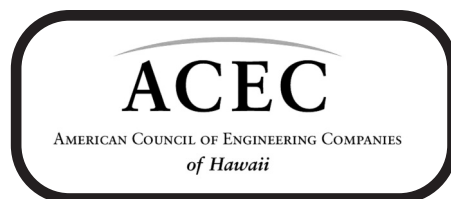
Entering Firm: Community Planning and Engineering, Inc.

Client: Kauai County Housing Agency

Workforce housing to the community was an important goal for the County of Kauai, Housing Agency. The Lima Ola Workforce Housing Development consists of 550 new 100% affordable units, as defined by the Hawaii Housing Finance & Development Corporation, on 75 acres in Eleele, on the island of Kauai. This project is the first 100% affordable workforce housing project to successfully complete the County-led 201H process. This project is not just an affordable housing project but is also an environmentally responsible and sustainable development, encouraging long-term intergenerational relationships while promoting healthy living. Lima Ola is not a standalone development, but one that creates linkages to the existing surrounding community. Through affordable housing opportunities and initiatives such as Lima Ola, the County of Kauai can now provide much-needed workforce housing for its residents that meet the lifestyle needs and preferences of the people of Kauai at different stages of life.



On behalf of ACECH, we would like to congratulate all of this year's recipients. All projects were impressive and outstanding examples of innovation in the industry, while demonstrating value and broad reach that engineering has on the community. Mahalo to all that supported this year's event, including our generous sponsors, this event would not be possible without all the support and generosity we have continued to receive.



**ACEC Hawaii**  
Website: [www.acechawaii.org](http://www.acechawaii.org)

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- Chairperson: Derek Sato  
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### ASME-HAWAII NEXT GENERAL MEMBERSHIP MEETING

Date: March 25, 2022 (virtual)

Agenda: TBA

Time: 5:30 pm

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 February 18, 2022 NOTES

This was again a Zoom meeting arranged by Chair Derek Sato who learned that ASME is again permitting in-person events for its sections such as meetings and tours.

**UHM DME Report by Dr. Woochul Lee:** Classes are in-person making the campus busy again.

**UHM Student Section Report by Woochul Lee:** Students are busy contacting companies to arrange for tours. If senior members have leads, please contact Derek Sato or any other ASME-HI officer.

### NOMINATIONS FOR ASME-HAWAII 2022-2023 OFFICERS:

ASME Hawaii Section is still seeking ASME members who would like to start a new future promoting mechanical engineering as part of the ASME-HI team. All leadership positions are open including Chairperson, Vice-chair, Treasurer, Secretary, and three Member positions. The term for all positions runs from July 1 to June 30 each year. If you are interested in any position, please contact Chairperson Derek Sato or any other officer.

### 2022 MATHCOUNTS COMPETITIONS UPDATE:

The Chapter Competitions were held February 17, 2022 and hosted online through the Art of Problem Solving (AoPS) Contest Platform. The Hawaii State Competition will be held in-person at the Ke'ehi Lagoon Memorial. This would take place Saturday, March 26, 2022. Six schools are scheduled to compete including Washington Middle, Iolani, Punahou, Seabury Hall, Highlands Intermediate, and Kamehameha Middle Kapalama. This will include up to 50 students competing.

**ASME-HI WEBSITE:** The executive committee approved continuing the section website another two years.

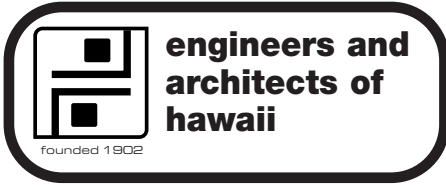
**FE COURSE:** Raymond Liu will report on status at the next meeting.

**Deadline for**

**Wiliki**

**is April 15th**





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**An association for Hawaii's Engineers and Architects**  
**WEB address: [www.eahawaii.org](http://www.eahawaii.org)**

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Director	Dave Martin	543-4504

eah has restarted In-Person Friday meetings at the Topa Towers Room 301 at 12:00. Zoom meetings are also continuing. Contact [eahawaii@gmail.com](mailto:eahawaii@gmail.com) if you plan to attend the In-Person meeting.

Upcoming Meetings see [eahawaii.org](http://eahawaii.org) for details.

Friday April 8th TBA  
 Friday April 22nd TBA  
 Recent Meetings:

**Friday – Feb 4th, 2022**

**Speakers: Hans K. Van Tilburg, Maritime Heritage Coordinator, NOAA**

**Topic: Falls of Clyde and the History of Scottish Shipbuilding**

Hans returned again to tell eaH more about his work discovering maritime history on the Falls of Clyde, the history of Scottish Shipbuilding and the development and transition from sail to steam. He talked about the men who promoted steam engines in ships, James Watt, Lord Dundas, John Elder, Charles Randolph and James Howden. As he dives on shipwrecks they need to understand the engines they discover, because engines remain after the wood disappears. So, he talked about single, double and triple compound engines and the change from paddle wheels to screws. The Falls of Clyde only used sails, but it did have a steam boiler for running pumps and winches.

The Falls of Clyde was built on the Clyde River in Scotland in 1878, was a Matson Flag ship 1899 -1907, changed to a tanker 1907 – 1926, floating Fuel depot 1927 – 1959, arrived in Honolulu 1963, restored and opened by Bishop Museum 1968 – 2008, Friend of Falls of Clyde own and repaired

2008 – 2016, Hawaii Harbors revoked the mooring permit in 2016. The Save Falls of Clyde International is currently working to return the ship to Scotland. Look for this program on YouTube & Olelo in April

**Friday March 11,2022**

Speaker: Paul Fox Fire Photographer & Fire Consultant

Topic: 1980 Chevron Iwilei Tank Farm Fire

Paul Fox is a retired firefighter and hardcore fire buff. Paul talked about the Chevron Iwilei tank farm fire of 1980. This was the largest fire department response in Honolulu's history. Every fire department on the island had personnel actively involved at this fire! It resulted in the largest civil settlement in Honolulu's history at the time. There was a lot that happened at this fire and a lot of lessons learned. At the time of the fire, Paul was the official fire photographer for the Honolulu fire department, but he also played an active role in the firefighting operations. Paul provided insights into fighting a tank farm fire, one being to get the ground fires under control first and then the tanks. It also important to have the tank farm operators involved so the correct distribution valves can be identified and secured.



**Hawaii Section 2021-2022 OFFICERS**

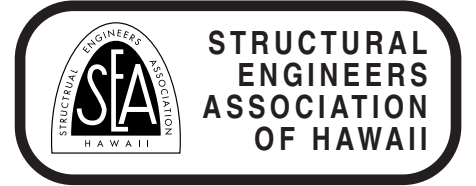
[www.aacehawaii.com](http://www.aacehawaii.com)

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Past President	Christopher Kanae

On Friday, February 25th 2022, we hosted a virtual webinar titled Current Topics of NAVFAC Construction Schedule Management presented by Mr. Aaron Rauchhorst of NAVFAC. Mr. Rauchhorst presented a look across the NAVFAC Hawaii landscape of construction projects, particularly focused on what works to build/maintain credible schedules as well as ways to improve. Some highlights included UFGS 01 32 17 Cost Loaded Network Analysis Schedules, Seeking a Compliant Plus Credible Schedule, Thoughts on Time Impact Analysis, and Prospective View of NAVFAC Schedule Management. For those that may be interested,

the recording is available on our ACE Hawaii Section website [www.aacehawaii.com](http://www.aacehawaii.com).

The local section, ACE 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.aacehawaii.com).



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 Web Page URL <http://www.seaoh.org>

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**PREVIOUS BOD MEETING**

March 02, 2022

**General Membership Meetings/Technical Seminars/Events**

For all events see [seaoh.org](http://seaoh.org) or look for email flyer for registration.

**Membership Renewals**

SEAOH is transitioning to Wild Apricot for 2022 membership renewals. Membership renewal notices will be sent out via email in April.

**Outreach Committee**

We are currently looking for an individual to serve as Outreach Committee Chair. If interested, please contact a current board member for more information.

**Next Meeting** on Wednesday, April 6, 2022. For information, contact SEAOH President Craig Meierhoffer at [cmeierhoffer@baseengr.com](mailto:cmeierhoffer@baseengr.com)

**Professional Directory**

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

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ENGINEERING SOCIETIES  
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# Professional Directory

<p><b>AECOM</b> 1001 Bishop Street, Suite 1600 Honolulu, HI 96813 tel: 808.521.3051 www.aecom.com</p>	<p> <b>CAD/CAE Service</b> For: Manufacturing Product Testing Failure Analysis Researching <b>HonoSiMu, LLC</b> honosimu.com info@honosimu.com</p>	<p><b>Austin Tsutsumi &amp; Associates, Inc.</b> Civil   Traffic   Environmental   Surveying Branch Offices in Wailuku, Maui and Hilo, Hawaii www.atahawaii.com</p>	<p>YOUR AD COULD APPEAR HERE FOR \$235 A YEAR</p>
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<p> <b>ControlPoint Surveying, Inc.</b> Oahu: 615 Piikoi Street, Suite 700 Honolulu, Hawaii 96814 Ph: (808) 591-2022, Fax: (808) 591-8333 Email: surveying@cpshawaii.net Maui: 1129 Lower Main Street, Suite 102 Wailuku, Hawaii 96793 Ph: (808) 242-9641 Email: cpsmaui@cpshawaii.net</p>	<p>YOUR AD COULD APPEAR HERE FOR \$235 A YEAR</p>	<p><b>Y. Ebisu &amp; Associates</b> Acoustical and Electronic Engineers 1126 12th Avenue, Room 305 Honolulu, Hawaii 96816 (808) 735-1634</p>	<p><b>CUMMING</b> Building Value Through Expertise Cost + Project Management 808-947-4525 ccorpusa.com</p>
<p> <b>Engineering Concepts, Inc.</b> Civil/Environmental/Sanitary Engineers 1150 South King Street, Suite 700 • Honolulu, Hawaii 96814 Phone: (808) 591-8820 • Fax: (808) 591-9010 Email: cci@ecihawaii.com</p>	<p> <b>ESH</b> ENGINEERS-SURVEYORS HAWAII, INC. (FORMERLY WILLIAM HEE &amp; ASSOCIATES, INC.) 1320 N SCHOOL ST., STE 1 HONOLULU, HAWAII 96817 Phone: 591-8116</p>	<p> <b>MASA FUJIOKA &amp; ASSOCIATES</b> GEOTECHNICAL ENVIRONMENTAL HYDROGEOLOGICAL CONSULTANTS (808) 484-5366 www.masafujioka.com</p>	<p> <b>FUKUNAGA &amp; ASSOCIATES, INC.</b> CONSULTING ENGINEERS WWW.FUKUNAGAENGINEERS.COM CELEBRATING OUR 50TH ANNIVERSARY</p>
<p> <b>GEOLABS, INC.</b> Geotechnical Engineering and Drilling Services 2006 Kalihii Street Honolulu, Hawaii 96819 Phone: 841-5064 Fax: 847-1749</p>	<p> <b>Gray-Hong-Nojima &amp; Associates, Inc.</b> CONSULTING ENGINEERS 201 Merchant Street, Suite 1900 Honolulu, Hawaii 96813 Telephone: (808) 521-0306 Fax: (808) 531-8018 email@grayhongnojima.com www.grayhongnojima.com</p>	<p> <b>HARTCROWSER</b> Geotechnical, Environmental, and Natural Resources Consulting 7 Waterford Plaza 500 Ala Moana Boulevard, Suite 240 Honolulu, HI 96813 808-507-7747 janice.marsters@hartcrowser.com www.hartcrowser.com</p>	<p><b>total POWER SOLUTION</b>  94-025 Farrington Hwy, Waipahu, Hawaii 96797 808/676-0205</p>
<p> <b>HCD</b> ROCK SOLID SINCE 1908 www.hcdhawaii.com • sales@hcdhawaii.com</p>	<p> <b>HDR</b> Honolulu 808.697.6200 Hilo 808.359.2518 Hilo 808.202.6528 hdrinc.com</p>	<p> <b>HIDA, OKAMOTO &amp; ASSOCIATES, INC.</b> CONSULTING CIVIL ENGINEERS PACIFIC GUARDIAN TOWER 1440 Kapiolani Boulevard, Suite 1120 Honolulu, Hawaii 96814 Phone: (808) 942-0066 Fax: (808) 947-7546</p>	<p> <b>Hirata &amp; Associates, Inc.</b> Geotechnical Engineering 808.486.0787 www.hirata-hawaii.com</p>
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<p><b>MCE INTERNATIONAL, INC.</b> MECHANICAL CONSULTING ENGINEERS  <b>MCE INTERNATIONAL</b> 1360 S. Beretania Street, Suite 400, Honolulu, HI 96814 Phone: (808) 941-0955 Fax: (808) 550-8167 E-mail: mcehnl@mceinternational.com Website: www.mceinternational.com</p>	<p><b>Creative People. Practical Solutions.®</b>  <b>moffatt &amp; nichol</b> <b>Marine &amp; Transportation Planners and Engineers</b> 808.533.7000 www.moffatfnichol.com</p>	<p><b>NAGAMINE OKAWA ENGINEERS INC.</b> CONSULTING STRUCTURAL ENGINEERS 1003 Bishop Street • Suite 2025 Honolulu, Hawaii 96813 Phone: (808) 536-2626 • FAX: (808) 536-3926</p>	<p> <b>Okahara and Associates, Inc.</b> ENGINEERS AND LANDSCAPE ARCHITECTS Civil - Mechanical Engineers Hilo: (808) 961-5527 • hilo@okahara.com Oahu: (808) 524-1224 • oahu@okahara.com www.okahara.com Small Business</p>
<p> <b>oceanit</b> www.oceanit.com</p>	<p> <b>Pacific Geotechnical Engineers, Inc.</b> Soils &amp; Foundation Engineering Consultants 94-417 Akoki Street Waipahu, Hawaii 96797 (808) 678-8024 FAX (808) 678-8722 E-mail: pge@pacificgeotechnical.com</p>	<p> <b>ParEn, Inc.</b> SUIITE 1500, PACIFIC PARK PLAZA 711 KAPOLANI BOULEVARD HONOLULU, HAWAII 96813 TELEPHONE: (808) 593-1676 FAX: (808) 593-1607 EMAIL: paren@pareninc.com  <b>dba park engineering</b> Engineers, Surveyors, Planners</p>	<p> <b>Sato &amp; Associates, Inc.</b> Consulting Civil Engineers since 1969 2046 So. King Street Honolulu, Hawaii 96826 Phone: 808-955-4441 mailbox@satoandassociates.com</p>