

## Hawaiian Electric's Vision for Hawai'i's Energy Future

by The Hawaiian Electric Companies  
[www.hawaiianelectric.com/ourvision](http://www.hawaiianelectric.com/ourvision)

In Hawai'i's dynamic and changing energy landscape, our companies – Hawaiian Electric, Maui Electric and Hawai'i Electric Light – understand we have a responsibility to adapt. Customers' needs and demands are changing, and we need to respond.

We want to deliver cost-effective, clean, reliable, and innovative energy services to our customers – to create meaningful benefits for Hawai'i's economy and environment, making Hawai'i a leader in the nation's energy transformation.

To do that, we've developed energy plans for Hawai'i's energy future. The plans are about achieving the kind of clean, resilient energy future we all want for our state.

### Highlights of the plans, to be achieved by 2030:

Our plan includes actions to deliver lower electric bills over time. It's about expanding customer options - such as community solar, electric vehicles, and pricing options that can help customers lower their bills. It's focused on increasing distributed solar power, like rooftop PV. And it underscores how important it is for us to develop a robust, modern grid that will help us better integrate more renewable resources.

We expect to achieve the following by 2030:

- More than 65 percent of our energy needs met by renewable energy
- 20 percent reduction in electric bills
- Nearly tripling of the amount of distributed solar power

We'll continue to work closely with our regulators, the local solar industry, lawmakers, and other energy partners on these plans.

### More on rooftop solar

Rooftop solar and other types of distributed generation are a big part of this vision. To support that growth, we're establishing a clear, open planning process to determine how much more distributed solar power can be added each year. And we'll communicate that information, so that customers and solar contractors know what to plan for.

At the same time, we're pursuing new technologies, like energy storage systems and advancements in rooftop PV equipment, so that we help customers add even more PV.

For many months now, Hawaiian Electric has been working closely with the local solar industry on technical solutions to continue to increase rooftop PV. There's tremendous opportunity for more distributed solar power, and it will take everyone working together – utilities, the solar industry, technology partners, and

others – to achieve that potential.

We also think it's the right time to consider changes to the PV rate structure to make it fair to all customers, so that everyone is paying their fair share. Right now, although PV customers continue to remain interconnected to the grid, the costs for maintaining and upgrading the grid are being shifted from them to customers who do not have PV. Hawaiian Electric believes that it's important to have a rate structure where the costs are spread more fairly – one that's fair to all customers.

It's important to note that the charges outlined in the plans are strictly hypothetical at this point. While a lot of attention has focused on a new monthly "minimum charge," that charge will ultimately be set in a future regulatory proceeding after the Public Utilities Commission and Consumer Advocate have thoroughly reviewed all costs. What's more, **most cus-**

**tomers are already paying more than the proposed minimum charge, so the change shouldn't affect them. And we won't be collecting any additional revenue as a result of this – rather, costs will simply be spread more fairly among customers.**

And that's really what the proposed solar rate restructuring is about. It's about how to make the program fair for all customers.

### Looking forward

Being so far ahead of the nation on a lot of these issues is a challenge but it's also an opportunity. We have the potential to be a leader in the nation's energy transformation as we work together to create a cleaner and brighter future for Hawai'i.



## Celebrate Energy Action Month with Hawaiian Electric's 2014 Clean Energy Fair

Hawaiian Electric Company presents the Clean Energy Fair on Saturday, October 4, 2013 from 10 a.m. to 3 p.m. at Kahala Mall, near the Macy's wing. This free event is co-sponsored by Kanu Hawai'i and the Department of Business, Economic Development & Tourism (DBEDT). Admission to the Clean Energy Fair is free for you and your kids. This annual event is a kick-off for Energy Action Month in October and celebrates the efforts and accomplishments by many organizations across the state to pursue a sustainable, clean energy future for Hawai'i.

### Entertainment

The festivities will open with a performance by Electric Ed of Mad Science Hawaii. At noon, Na Hoku Hanohano award winning group Waipuna takes the stage to perform songs from their albums, ending with a special keiki hula performance at 1:30 p.m. by Ka Pa Hula O Kauanoe O Wa'ahila.

### Learn about energy conservation

The Clean Energy Fair brings together organizations and businesses involved in resource conservation, energy efficiency and clean energy initiatives. Interactive exhibits by Kanu Hawai'i and the Department of Business, Economic Development & Tourism, as well as Board of Water Supply, Hawaii Gas, Blue Planet and Hawai'i Energy will be available at the event. This free event offers families and individuals an opportunity to learn from experts about renewable energy, electric vehicles, solar and PV installations, and energy rebates.

There will also be a booth with representatives from Hawaiian Electric to sign up for paperless billing and learn more about Hawaiian Electric's smart grid efforts.

Your children can pick up a free energy guide featuring **Maka, the Super Energy Saver** owl. Also, enter to win an Apple® iPad mini™ or portable solar generator with Hawaiian Electric's Energy Passport game. The entire family can enjoy a day of live music by local performers, energy-related games and activities, contests, giveaways and prizes.

For additional information, call 543-7511 or visit [www.hawaiianelectric.com](http://www.hawaiianelectric.com).





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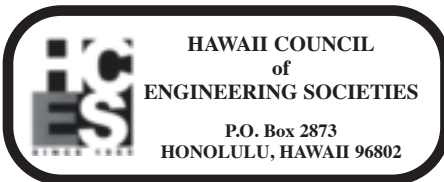
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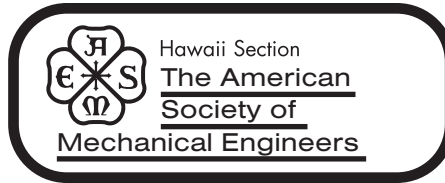
Additions and/or corrections to the Wiliki mailing list should indicate the proper society, institution or association. Corrections to email addresses should be submitted to your society coordinator.

HOME PAGE: <http://hces.us>**2014-2015 OFFICERS**

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Treasurer:	Stephanie Doan	
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ACECH	K. Hayashida	
APWA	J. Lau	
ASCE	D. Barsana	R. Babcock
ASHRAE	P. Scott	
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SAME	B. Zachmeier	
SEAOH	A. Agapay	
SFPE	S. Dannaway	
SWE	C. Jow	
UHM CoE	S.K. Choi	

**HAWAII CHAPTER OFFICERS**

President: Robert Bigtas  
S.S. Dannaway Associates  
[rbigtas@ssdafire.com](mailto:rbigtas@ssdafire.com)  
Vice President: Derick Kam  
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Director: Bob Lohaus  
Lohaus and Associates

[www.asme-hi.com](http://www.asme-hi.com)**ASME-HI 2014-2015 Officers**

Chairperson	Derek Sato	543-4108
	<a href="mailto:Derek.sato@hawaiianelectric.com">Derek.sato@hawaiianelectric.com</a>	
Vice-Chair	Derick Kam	848-6966
	<a href="mailto:kam@thermaleng.com">kam@thermaleng.com</a>	
Secretary	Kory Ikeda	628-1231
	<a href="mailto:kory.isamu@gmail.com">kory.isamu@gmail.com</a>	
Treasurer	Kevin Dang	737-1708
	<a href="mailto:dangk001@hawaii.rr.com">dangk001@hawaii.rr.com</a>	
Past-Chair	Kory Ikeda	628-1231
HCES Rep:	Derick Kam	
Alternate:	Derek Sato	

**NEXT ASME-HAWAII SECTION GENERAL MEMBERSHIP MEETING**

Date: October 21, 2014  
Time: 5:30 pm to 7:00 pm  
Place: HECO Ward Ave  
Cafeteria Conference Room

Speaker: Edward Russell, Project Manager, Hawaii Center for Advanced Transportation Technologies (HCATT), speaking on a demonstration project to use PV to generate hydrogen as a fuel source to power hydrogen fueled vehicles used as part of Hickam AFB's fleet. The presentation will be preceded by a general membership meeting to cover Hawaii Section business.

All members are invited and encouraged to attend. There will be free pizza and soft drinks, as usual. Please contact Chairman Derek Sato or Secretary Kory Ikeda for directions and for more information, such as parking within Hawaiian Electric's Ward Avenue facilities.

**KAILUA HIGH SCHOOL 2014 CAREER FAIR**

ASME-HI is again participating in the annual Kailua High School Career Fair planned for Friday, November 7, 2014.

This is a table top-type exhibit manned by the sponsor members with high hopes that they will be interviewed by interested students. We many times have to drag in students who don't know what a mechanical engineer is. We usually have two to three members to answer the students' questions. For us, we try to provide information that may influence a student in a career in mechanical engineering. We provide interesting ME-related pamphlets and clippings pertaining to wages, specific job responsibilities, and fun facts about mechanical engineers. Interested students interview us in hopes of knowing more about what a mechanical engineer may do after college, besides what college life is for a mechanical engineering student. We give away promotional pencils, which is well within our budget.

The other HCES member we notice participating with us year after year are the Fire Protection Engineers, and someone representing EAH. Our other competitors for student attention are the Army, Navy, Air Force, Marines, Coast Guard, the police department, trade unions, beauty schools, medical labs, Hawaiian Airlines, and some non-engineering UHM colleges.

The fair is held in the gym and students start visiting the exhibits at 8:45 a.m. The event is completed before 11:30 a.m. We are treated wonderfully by Kailua High School. We are fed and watered throughout the session and presented with a delicious bento lunch and drinks before leaving. You can see a reason why we return every year.



William (Bill) Lee, PE	President
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Matthew Tio	Board of Governors
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Paul Scott	Honors & Awards Chair
Joseph K Ting, PE	Membership Promotion Chair
Andrew Crossland	Webmaster
Dean Borges, PE	Newsletter Editor
Joseph K Ting, PE	Nominating Chairman
Rob Brown	Technical Seminar Co-Chairman
Kevin Luoma, PE	Technical Seminar Co-Chairman
Chairman	
Matthew Tio	Research Promotion Chairman
Matthew Tio	Product Show Chairman
David Parke	Student Activities Chairman
Kevin Ku	Refrigeration Chair
Richard Beall, PE	Technology Chair
Willie Diguc Young	Engineers in ASHRAE

**REVIEW OF ACTIVITIES AT ASHRAE REGION X 2014 CHAPTERS REGIONAL CONFERENCE (CRC)**

by Dean Borges, Chair

The Region X 2014 CRC was held August 7-9 in Honolulu, Hawaii and hosted by the Hawaii Chapter. Summary of activities included the following:

- A. Business Sessions and Caucus.
  - 1) Nominations Caucus.
  - 2) Business Session 1.
  - 3) Chapter Operations Workshop.
  - 4) Executive Session.
  - 5) Business Session 2.
- B. Workshops:
  - 1) Membership Promotion Committee.
  - 2) Chapter Technology Transfer Committee.
  - 3) Grassroots Government Activities Committee.

*continued on page 4*

**ASHRAE Society President Tom Phoenix and Dean Borges, Chair HCES.**



P.O. Box 88840  
Honolulu, HI 96830  
Website: [www.acechawaii.org](http://www.acechawaii.org)

#### 2014-2015 Board of Directors

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Sean Sugai, Ronald N.S. Ho & Associates

#### LETTER FROM THE ACECH PRESIDENT

Written by William H.Q. Bow, P.E.

What am I getting from my membership in the American Council of Engineering Companies of Hawaii (ACECH)? That's the \$1,000 question we get a lot. In the next few President Letters, I will share with you the benefits of membership. The months of October, November and December are our membership recruitment months. We would like to encourage our member firms to bring potential members to any one of our monthly general membership meetings. ACECH will pay for the member's guest.

One benefit is your ability to attend national conferences and training sessions at a discounted member rate. This leads me to the upcoming 2014 Fall ACEC Conference being held at the Hilton Waikoloa Village on the Big Island on October 22 – 25. It's not too late to sign up at [www.acec.org](http://www.acec.org). This conference is a great opportunity for Hawaii engineers to attend a National Conference in our own "backyard" without the expense of flying to the mainland. I personally have been to two conferences and highly recommend going! It's a great opportunity to network with other engineers from all parts of the US. The breakout session has information for all areas of engineer business; i.e. Infrastructure Funding, Trends in Recruitment & Retention, Marketing and Business Development, just to mention a few topics. And one of our members, Mark Tawara, SSFM, will be doing a breakout session at the Conference! I hope to see you there.

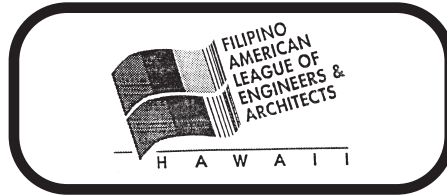
#### 50TH ANNIVERSARY TRIVIA QUESTION OF THE MONTH

To help celebrate our 50th anniversary in 2014, an ACEC Hawaii trivia question will appear in each of this year's issues of the Wiliki. The answers to the questions and background information will appear in the subsequent issues.

This month's question: *ACEC selected a Hawaii project as one of three to represent the national organization in the 2013 FIDIC Centenary Awards. FIDIC will recognize and applauding the best consulting engineering*

*achievements of the 20th Century. Which ACECH member firm received this prestigious recognition?*

Answer to the previous question: *Janice Marsters and John Katahira recently became the 9th and 10th members from Hawaii to reach the ACEC membership grade of Fellow. The others are Jon Nishimura, Lennox Nishimura, June Nakamura, Lester Fukuda, Dave Bills, Stan Kawaguchi, Mike Matsumoto and Roy Yamashiro.*



P.O. Box 4135, Honolulu, Hawaii 96812  
Website: <http://www.falea.org>

#### Officers/BoDirectors for 2012-2014

President: Jeffrey S. Cudiamat, PE  
VP/Pres-Elect: Francisco T. Cruzata, AIA  
Secretary: Krizelle Jane C. Mabuti  
Treasurer: Riza Marie R. Gatdula  
Ass't Treas.: Maritez A. Marquez  
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Bus. Manager: Lei Racel P. Jaramilla  
Press Rel. Off: John C. Ramos, PE  
Past President: Elvira Sutherland  
HCES Rep: Suzie S. Agraan  
Alternate: Gene Albano

#### HIGHLIGHTS & SEPTEMBER BOARD MEETING:

**MEMBERSHIP** – Congratulations to our fellow member, Marisol Olaes who recently passed the computer-based FE Exam she took this past August 16th. Ferdi & Joey led discussion on proper "wordings" for the Membership Certificate which all existing and new members will be getting. Additionally, our supply of the redesigned FALEA T-Shirt now needs to be replenished, and Elvi has volunteered to pick up the next batch during her upcoming trip to the Philippines. These will be given out to members and as an incentive for prospective members to join the organization.

#### AWARDS BANQUET AND INSTALLATION OF OFFICERS & DIRECTORS – It's sooner than you think!

**Date:** October 11, 2014.

**Time:** 5:30 to 11:30pm.

**Where:** Grand ballroom, Pacific Beach Hotel in Waikiki

**Cost:** \$60.00 per person.

This is our organization's 21st Anniversary also, so mark your calendars! Elvi & Frank have been and are being kept busy with assigning and following up on the various tasks that goes with this type of activity to ensure another successful grand finale for 2014. Emcees will be Renie Agsalda (a Past President) and his wife Marlyne, and DeeJay will be Noni Panen. There will also be special "entertainment," and our outgoing President Jeffrey Cudiamat, has volunteered the use of his office facilities' conference room for performance rehearsals as needed.

**PHOTO-SHOOT** – The group photos for outgoing and incoming Officers & Directors were taken at the FilCom Center in Waipahu. Aloha attire were worn by the "outgoing" group, and business outfit were worn by the "incoming" group. The photos will be used for the Souvenir Program.



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

#### 2013-2014 Officers and Directors

##### HSPE Officers, 2014 to 2015

Darren Okimoto President  
[dokimoto@wsue.com](mailto:dokimoto@wsue.com)  
Curtis Beck President-elect  
[curt137inverse@yahoo.com](mailto:curt137inverse@yahoo.com)  
Kurt Kunimune Secretary  
[kkunimune@bowersandkubota.com](mailto:kkunimune@bowersandkubota.com)  
Joelle Dubois Past President/Treasurer  
[jdubois@bowersandkubota.com](mailto:jdubois@bowersandkubota.com)  
Majella Stevenson NSPE HOD Rep  
[Majella.Stevenson@navy.mil](mailto:Majella.Stevenson@navy.mil)  
Barry Nakamoto Educational Foundation  
[barry.nakamoto@heco.com](mailto:barry.nakamoto@heco.com)  
Marc Botticelli Kona-Kohala President  
[marc@wrsasolutions.com](mailto:marc@wrsasolutions.com)  
Mandy Saito Maui Chapter Director  
[mandy@femaui.com](mailto:mandy@femaui.com)

The Hawaii Society of Professional Engineers held its annual installation banquet on July 19, 2014 at the Café O'lei at the Dunes in Kahului, Maui.

The National Society of Professional Engineer's President, Mr. Harve Hnatiuk, P.E., F.NSPE was present to formally install Mr. Darren Okimoto of Warren S. Unemori Engineering as the new HSPE State President, and to thank Joelle DuBois of Bowers + Kubota Consulting as the outgoing HSPE President.

Attached is a photo of HSPE members at the installation banquet.



#### HSPE, July 19, 2014 Installation Banquet, from Left to Right:

**Maui Chapter Vice President: Michael Silva, P.E., L.S., LEED AP**

**Maui Chapter President: Irina**

**Constantinescu, P.E., LEED AP**

**Maui Chapter Treasurer: Theresa Nunan, P.E.**

**Maui Chapter State Director: Mandy Saito, P.E., LEED AP**

**NSPE President: Harve Hnatiuk, P.E., F.NSPE**

**State President: Darren Okimoto, P.E.**

**State President-Elect: Curt Beck, P.E.**

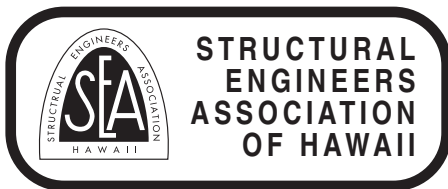
**State Past-President/State Treasurer: Joelle Dubois, P.E., CCM**

**NSPE House of Delegates Rep.: Majella Stevenson, P.E., F.NSPE**

**Not Pictured: State Secretary: Kurt Kunimune, P.E.**

**Maui Chapter Secretary: Troy Ching, P.E., LEED AP**





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

#### 2014 BOD OFFICERS AND DIRECTORS

Position	Officer	Phone
President	Ethan Okuna	945-0198 x103
Vice Pres.	Fernando Frontera	781-2802
Secretary	Evan Mizue	387-2346
Treasurer	Jimmy Lam	223-3638
Dir. (Yr 2)	Paul Kane III	537-2811
Dir. (Yr 2)	Tim Waite	479-1216
Dir. (Yr 1)	Rodney Haraga	782-8661
Dir. (Yr 1)	Michael Kasamoto	589-1170
Past Pres.	Brian Kung	488-7579

#### HIGHLIGHTS OF BOD MEETING

September 2, 2014

#### Committee Reports

General Membership Meetings/Technical Seminars/Events

October 9: General Membership Meeting, 5:30pm at Brue Bar, 119 Merchant St. Board of Directors will present the proposed changes to the SEAOH Bylaws and Charter. RSVP to Fernando Frontera ([f Frontera@baseengr.com](mailto:f Frontera@baseengr.com)).

October 22, 24, 30: Wind Design Provisions of the Hawaii State Building Code training session by Gary Chock, SE, FSEI, FASCE.

November 28: SEAOH Golf Tournament @ Pearl Country Club. RSVP to Ethan Okuna or Rod Haraga.

December 11: Seismic Steel Braced Frame Seminar on design concepts and connections, developed by AISC with speaker Rafael Sabelli.

#### Nominations for 2015 SEAOH Board of Directors:

LAST CALL! SEAOH is looking for enthusiastic members to participate in the stewardship of our organization. Please contact E.Okuna if you have interest or would like to nominate a fellow member to serve on next year's board (945-0198 x103, [eokuna@cshengineers.com](mailto:eokuna@cshengineers.com)). We're actively seeking volunteers or nominees for Vice President, Secretary, Treasurer, and Director.

#### Structural Special Inspections:

SEAOH Special Inspections Subcommittee is continuing discussions with the Honolulu Department of Planning and Permitting to explore instituting IBC special inspection requirements and an update of the special inspection form. Regularly scheduled lunch meetings are being held on Fridays, every two weeks, at Baldrige & Assoc. If you have opinions on the future implementation and enforcement of special inspections, please contact Ms. Kulia Boerstler (808) 534-1300, or any member of the Board.

#### New Website:

We are working on developing a new website for SEAOH. Please let us know if you have any ideas on information/functions that should be included in the new website. Also, we are looking for corporate sponsors who are interested in displaying their logo in the website. If you have ideas for the website or are interested in being a sponsor please contact Fernando Frontera ([f Frontera@baseengr.com](mailto:f Frontera@baseengr.com)).

#### New Member

The following membership applications have been accepted:

– Schad Woods, Bonded Materials Co, Affiliate

Member

– Corey Yamashiro, Consulting Structural Hawaii, Allied Member

#### New Member Applications

Applications from the following have been received and are open for comments from the membership:

– Michael Greer, Wiss Janney Elstner Associates, Inc., for Allied Membership

#### Missing Members

Please contact Membership Chairperson, Jiabao Chen (Ph: 791-3945 or email [jchen@kaihawaii.com](mailto:jchen@kaihawaii.com)), or any of the SEAOH Officers if you have a new mailing and/or email address.

#### Next Meeting

The next SEAOH Board of Directors and Officers meeting will be held on Wednesday, October 1, 2014. Contact SEAOH President Ethan Okuna (945-0198 x103, [eokuna@cshengineers.com](mailto:eokuna@cshengineers.com)) for more information.



Po Box 12204 Honolulu, HI 96828  
Website: [www.eaauh.org](http://www.eaauh.org)

#### 2014-2015 Officers

President	Dayna E. Nemoto
Vice Pres	Keith S. Uemura
Treasurer	Neal N. Miyake
Secretary	Anthony J. Paresa
Past Pres	Glenn M. Nohara
Directors	Rodney Chong
	Ken K. Hayashida
	John H. Katahira
	Ken Kawahara
	Diane Y. Kodama
	Stancher Mabellos
	Mike Y. Magaoay
	Derek K. Mukai
	Martin A. Nakasone
	Ross S. Okuda
	Wayne A. Shiroma
	Jonathan M. Suzuki
	Dennis I. Toba
	Edward I. Yoshimura
	Russell Young
	Kyle Y. Yukumoto
	Landon Sakai

It's that time again! In a short 6 years, Holmescoming has grown into Hawaii's premier "friendraiser" event, bringing together our engineering community in a very casual format for great food, great drinks, and great entertainment. It's a terrific opportunity to catch up with old friends and create new ones.

#### PLEASE SAVE THE DATE!

**7th Annual Holmescoming**

**Friday, November 21, 2014**

**5pm to 8:30pm**

**Holmes Hall, UH Manoa Campus**

Sponsorships: \$1,300 (10 Tickets, recognition and signage at event)

Individual Tickets: \$75 each

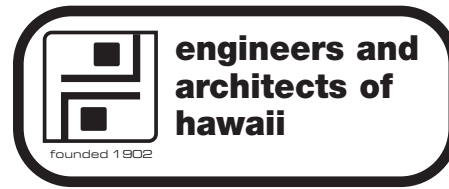
Make checks payable to UHF/COE and mail to:

2540 Dole Street, Holmes Hall 240

Honolulu, HI 96822

Attn: Jean Imada

For information, 956-5112



po box 4353, Honolulu, Hawaii 96813

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

#### EAH 2013- 2014 Officers

President	Joseph Feind	543-4781
1st VP	Bill Brizee	523-9636
Treasurer	Aaron Erickson	591-2728
Secretary	Gary Yamamoto	485-2777
Past Pres	Howard Wiig	587-3811
Director	Dave Martin	543-4504
Director	Michael Albright	
Director	Andy Keane	531-3017

EAH's new meeting location is above the Mango Grill in the Topa Tower (Ewa tower on Fort Street) of the Topa Financial Center (Old AMFAC Bldg). Take the elevator to the 3rd floor conference room. Parking is available (enter from Nimitz). The WEB site has been updated to provide directions and a Map. If you have questions please call Sam Gillie (543-4739).

Meetings are held every Friday (except Holidays). Meetings start at NOON and have ended PROMPTLY at 1:00 pm for 70 Years.

Program schedule may be adjusted, call Sam Gillie to confirm speaker 543-4739 Fax 203-1335.

\$10.00 Members, \$12.00 Guest (All Welcome), Students Free. Bring Your Own Lunches Welcome, Drink Refreshments are complimentary. A \$2.00 donation is very gratefully appreciated!!

#### ASHRAE, from page 2

- 4) Regional Electronics Communication Committee.
- 5) Student Activities Committee.
- 6) Research Promotion Committee.
- 7) History Committee:
- 8) YEA Committee.
- 9) Treasurer/Finance Workshop.

#### C. Technical Events:

- A Technical Tour was scheduled for Thursday afternoon to visit the Information Technology Building and the C-More Hale Center for Microbial Oceanography facility at the University of Hawaii, Manoa.
- Attendance at 12 people.
- The technical seminar session was conducted and lasted only 1 hour. The program was BEQ provided by DL (and Presidential Member) Bill Bahnfleth.

#### D. Social Activities:

- 1) Management Dinner.
- 2) Welcome Reception.
- 3) Saturday Luau.
- 4) Companion's Activities.

The Region X 2014 CRC experienced numerous headwinds with late management change, weather events, an earthquake, business closings, and canceled flights. Despite these challenges the CRC was still a huge success. One cannot bestow enough compliments for how Hawaii Chapter management/volunteers handled the situations with all these concurrent disasters placed in their path.



# STRUCTURAL SYSTEMS, INC.

General Engineering • Foundation Systems • Micro Piles

**MICRO PILES** As defined in FHWA-RD-96-016 "Micro-piles are small diameter drilled and grouted reinforced piles used for both structural support and insitu earth reinforcement." Typically less than 10" in diameter, allowable design capacities frequently exceed 100 kips and our crews have performed testing in excess of 225 kips or over 100 tons. Micro-piles are frequently used where a deep foundation system is required in difficult substrata conditions, or where driven piles or large diameter systems are impractical due to subsurface obstructions, or limitations presented by existing buildings at or adjacent to the project site.

## Capabilities, Benefits & Advantages

- Limited Access and Low-overhead Equipment
- Design/Build Projects
- FHWA Compliant
- High Bearing & Tension Capacities (100 Tons)
- New Construction
- Cased or Un-cased Systems
- Hollow-bar Injection Anchors & Piles
- Atlas & Chance Helical Piers
- Remedial Underpinning
- Foundation Releveling
- Load Transfer
- Soil Nails, Gunite
- Slope Stabilization
- Compaction Grouting
- Uretex, Slab Releveling

### Low-overhead Equipment

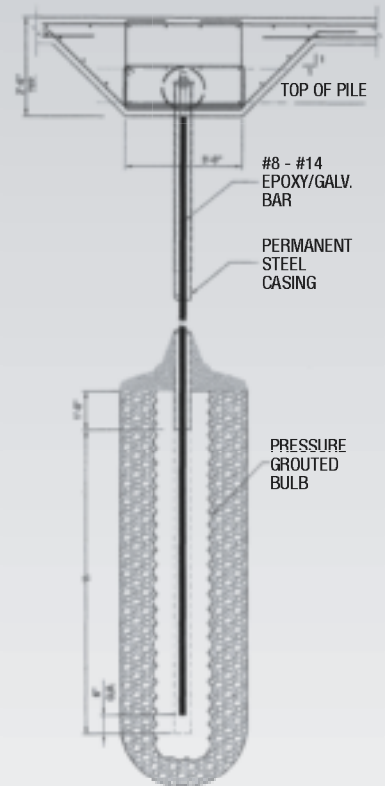


### Underpinning System



### New Construction, Maui

## MICRO PILE



Typical Micropile Detail

**Since 1985 in Hawaii, Structural Systems** and its allied company Kelikai have compiled decades of experience installing deep foundation systems. Our experience includes a range of piling systems for bearing support, and a selection of differing anchor systems for tension applications. Additionally, we are authorized installers of the Atlas and Chance brands of pre-engineered foundation systems for both new construction and remedial/underpinning applications. Hawaii has widely variable and difficult subsurface conditions. With their experience, our staff and field crews are peerless in their ability to address all the differing geotechnical conditions unique to Hawaii.



## STRUCTURAL SYSTEMS, INC.

General Engineering

P.O. Box 30296

Honolulu, HI 96820

Telephone: (808) 845-2474

Fax: (808) 847-2966

Email: [structurs001@hawaii.rr.com](mailto:structurs001@hawaii.rr.com)

website: [WWW.SSIHAWAII.COM](http://WWW.SSIHAWAII.COM)



#### 2014-2015 ASCE HAWAII SECTION OFFICERS

Office	Name	Phone
President:	Glenn Miyasato, P.E. email: glenn@mkellc.com	488-7579
Pres.-Elect:	Benjamin Rasa, P.E. email: brasa@ssfm.com	531-1308
Vice Pres.:	Timothy Goshi, P.E. email: tgoshi@kaihawaii.com	791-3966
Secretary:	Lara Karamatsu, P.E. email: karamatsu@pbworld.com	566-2227
Treasurer:	Eric Arakawa, P.E. email: eric.a@tlcghawaii.com	
Immediate Past Pres:	Brian Enomoto, P.E. email: benomoto@ascehawaii.com	388-5559
YMF President:	Puna Kaneakua, P.E. email: keaneaneakua@gmail.com	551-5427

#### OCTOBER DINNER MEETING

**Program: R-1 Reuse Feasibility Study at the Waimanalo Wastewater Treatment Plant**

**Speaker: Ryan Yamauchi, Element Environmental, LLC**

**Synopsis:** The feasibility of producing R-1 water at the Waimanalo Wastewater Treatment Plant for reuse in the Waimanalo community was explored. A market survey of local farmers was conducted to gauge interest and identify concerns with R-1 reuse. Other large landowners such as golf courses and parks were also surveyed. Do the results indicate a need for the State to address public and consumer awareness and education before further expansion of R-1 reuse?

We will also be honoring our Region 8 Award Winners as well as have a brief presentation by Manfred Zapka, chair of the Sustainability Committee.

Date: Tuesday, October 14th, 2014  
Location: Seven Palms Bar and Grille (formerly Sam Snead's Tavern) @ Navy-Marine Golf Course  
Time: 5:30 p.m. - Social Time  
6:30 p.m. - Dinner  
7:00 p.m. - Program  
8:45 p.m. - Adjourn  
Menu: Multi-entree buffet  
Cost: \$30.00 for ASCE Hawaii Section members  
\$35.00 for Non-ASCE Hawaii Section members and Guests  
\$20.00 for UH Manoa Student Chapter members

Please make checks payable to ASCE-Hawaii Section and mail to Eric Arakawa, ASCE Hawaii Section Treasurer, The Limtiaco Consulting Group, 1622 Kananui Street, Honolulu, HI 96817. Please send reservations for the dinner meeting to Eric Arakawa by Monday, October 6th, 2014, by phone at 808-596-7790 or email at [eric.a@tlcghawaii.com](mailto:eric.a@tlcghawaii.com). No shows will be billed.

#### GEOTECHNICAL CASE HISTORIES WORKSHOP

This workshop presents various case studies regarding geotechnical failures and issues both locally and internationally, and provides lessons learned from these projects. The morning sessions will provide a brief introduction to tunneling and focus on several international tunneling projects while the afternoon session will provide insight on local geotechnical

issues, problems, and lessons learned.

Date: Thursday, November 6, 2014  
Location: Ala Moana Hotel, Carnation Room  
Time: 7:30 a.m. - Registration  
8:00 a.m. - Workshop begins  
4:00 p.m. - Adjourn  
Cost: \$100.00 for ASCE Hawaii Section members  
\$150.00 for Non-ASCE Hawaii Section members and Guests  
\$50.00 for Student Chapter members (up to 8 students)

Cost includes continental breakfast and morning and afternoon refreshments. Please make checks payable to ASCE-Hawaii Section and mail to Eric Arakawa, ASCE Hawaii Section Treasurer, The Limtiaco Consulting Group, 1622 Kananui Street, Honolulu, HI 96817. Please send reservations for the workshop to Eric Arakawa by Friday, October 3, 2014, by phone at 808-596-7790 or email at [eric.a@tlcghawaii.com](mailto:eric.a@tlcghawaii.com). No shows will be billed.

#### EXECUTIVE COMMITTEE MEETING

Last held: September 9th, 2014  
Next meeting: October 9th, 2014

#### CONTINUING EDUCATION

ASCE National holds more than 275 seminars and computer workshops each year on a wide variety of technical, management, and regulatory topics. These seminars are held in more than 45 cities across the U.S. In addition, ASCE offers customized on-site training and many distance learning programs, including live interactive web/teleconference seminars, online courses and courses on CD, videotape, and audiotape. Please visit <http://ascehawaii.org> for complete details.

#### 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 mail to: ASCE Scholarship Committee, P.O. Box 917, Honolulu, HI 96808-0917. If you have any questions, please contact Brian Enomoto at 388-5559, or [benomoto@ascehawaii.org](mailto:benomoto@ascehawaii.org).



#### 2013-2014 YMF Officers

President Jason Sugibayashi, P.E. 537-9971  
[jsugibayashi@ascehawaiiymf.org](mailto:jsugibayashi@ascehawaiiymf.org)  
Vice-President Puna Kaneakua, P.E.  
[pkaneakua@ascehawaiiymf.org](mailto:pkaneakua@ascehawaiiymf.org)  
Secretary Amanda Tanaka, P.E.  
[atanaka@ascehawaiiymf.org](mailto:atanaka@ascehawaiiymf.org)  
Treasurer Norman Leong, P.E.  
[nleong@ascehawaiiymf.org](mailto:nleong@ascehawaiiymf.org)  
Past President Kurt Nagamine, P.E.  
[knagamine@ascehawaiiymf.org](mailto:knagamine@ascehawaiiymf.org)  
Student Chapter President Michelle Chinen,  
[asce@hawaii.edu](mailto:asce@hawaii.edu)

#### YMF General Meeting

The next YMF general meeting is scheduled for Wednesday, October 1, 6:00 p.m. at Hukilau. If you are interested in attending to find out what the YMF is all about, contact YMF at [ymf.hawaii@gmail.com](mailto:ymf.hawaii@gmail.com).

#### FY2014-2015 ASCE HAWAII SECTION OFFICERS

The above listed officers were installed at the OCEA Awards Banquet on September 27, 2014. Congratulations and good luck to our FY 2014-2015 Executive Committee!

#### ASCE JOB LISTINGS

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

- Civil Engineer VI - City and County of Honolulu
- Civil Engineer IV - City and County of Honolulu
- Civil Engineer V - City and County of Honolulu
- Mechanical Engineer IV - City and County of Honolulu
- Civil Engineer V - SSFM International

For further information on these job listings or to find out how you can post job openings in your company on this website, please visit <http://www.ascehawaii.org/jobs.htm>.



#### Hawaii Section 2014-2015 OFFICERS

[www.aacehawaii.org](http://www.aacehawaii.org)  
President Kristy Kastner, PSP  
Vice President Greg Treese  
Secretary Maelyn Uyehara  
Treasurer Cristo Rojas  
Director of Certification Stephen Jacobson, CCP  
Director of Communications Joseph Uno, LEED AP BD+C  
Director of Membership/Webmaster David Ladines

The Hawaii Section received a Gold Section Recognition Award at the June 2014 AACE International Meeting in New Orleans. This was momentous year for the Hawaii Section which was reinstated after years of inactivity. The Section's Board was active, updating our bylaws, holding monthly board meetings, quarterly section meetings and social events. Under the leadership of Section President Kristy Kastner, the membership increased 47 percent.

Over the summer, the Hawaii Section partnered with the local CMAA Hawaii Chapter for two mixers held on May 1, 2014 and June 26, 2014. The mixers were well attended with over 50 attendees.

The results of last month's survey favored classes to attain "Certified Cost Professional" accreditation. The two-day classes are tentatively scheduled for the first quarter of 2015. Please contact us at [aacehawaii@section@gmail.com](mailto:aacehawaii@section@gmail.com) if you are interested, or call David Ladines @ 808-947-6855 for further details.

"Risk Assessment from the Cost Estimating Perspective" was presented at our last Section Meeting on Friday, August 1, 2014. Mr. Robert (Bob) Wells, CEP, presented the hour long talk on risk assessment covering: Definitions of Risk, Statistics, Tools & Methods, and concluding with "Risk Thinking". The session was attended by over 20 Section Members and Guests.

For more information, please visit our website [www.aacehawaii.org](http://www.aacehawaii.org).





### CMAA Hawaii Chapter

<http://hawchapter.cmaanet.org>

#### Officers

President	Tim Bramsen	836-7787
	<a href="mailto:president@cmaahawaii.org">president@cmaahawaii.org</a>	
Vice Pres	Dustin Timm	256-2020
	<a href="mailto:vicepresident@cmaahawaii.org">vicepresident@cmaahawaii.org</a>	
Treasurer	Jeff Clark	839-0646
	<a href="mailto:treasurer@cmaahawaii.org">treasurer@cmaahawaii.org</a>	
Secretary	Derek Mukai	531-4252
	<a href="mailto:secretary@cmaahawaii.org">secretary@cmaahawaii.org</a>	
Director	Bill Thornton	
	<a href="mailto:director@cmaahawaii.org">director@cmaahawaii.org</a>	
Past President	Mike Young	836-7787
	<a href="mailto:hawaii.cmaa@gmail.com">hawaii.cmaa@gmail.com</a>	

#### News:

The Chapter sponsored a Hale Hilina'i Community Service event on September 13th where chapter members with the help of Judiciary staff helped to prepare part of the building for use by a hula halau by painting the lanai. Please see the included photo.

On September 17th, the chapter luncheon featured Ms. Lynn Bailey and Ms. Jody Cordero from the Department of Health who spoke about Contaminant Awareness.

The 2014-2015 CMAA Hawaii Chapter Officer elections were completed and the new officers installed at the Chapter's end of year Paina. A very big Mahalo to President Tim Bramsen and the 2013-2014 board for all their hard work this year serving the Hawaii CM Community.



**Tim Bramsen**

Just a reminder that our chapter is here for all Construction Engineering

and Management professionals.

#### Upcoming chapter events for the fall include:

- Our 3rd Annual Scholarship Golf Tournament is coming up on this month on October 3rd at Coral Creek Golf Course. Registration and Sponsorship Opportunities are available.
- The CMAA National Conference will be in October 19th – 21st in San Francisco this year.

If you have any questions regarding any of our upcoming events, would like to get involved with the CMAA Hawaii Chapter or would simply like to be added to our email list, please contact one of our board members or email us at [hawaii.cmaa@gmail.com](mailto:hawaii.cmaa@gmail.com).



**Hale Hilina'i**



P.O. Box 31218, Honolulu, HI 96817  
Web page: [www.samehonolulu.org](http://www.samehonolulu.org)

#### Officers/Directors/Advisors for 2014-15

President	CAPT Ed Sewester, USN
VP/Programs	Bryan Zachmeier, USAF (Ret)
VP/Sustaining	
Members	Will Boudra, PE, USN (Ret)
VP/Membership	Jerry Matsuda, PE, USAF (Ret)
Secretary	Tim Dengler, USN
Treasurer	David Brothie, PE
Reg. VP,	
Pacific Region	Bill Grip, PE
Advisor at Lge,	
Army	MAJ Brennan Wallace
Advisor at Lge,	
Navy	TBD
Advisor at Lge,	
Air Force	TBD
Advisor at Lge,	
Coast Guard	LCDR Clay McKinney, PE, USCG
Advisor at Lge,	
Civilian	John Lohr, Col, USAF (Ret)



Engineers Without Borders - Honolulu  
<http://www.ewbaloha.org>

#### 2012-2013 Officers

President: Wesley Wong  
President-Elect: Alyssa Smith  
Secretary: Erin Allmann  
Treasurer: Chad Livingston  
Events Chair: Omar Razvi  
Fundraising Chair: Brett Updyke  
Membership Chair: Sumon Kanpirom

## Professional Directory

<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: <a href="mailto:pge@pacificgeotechnical.com">pge@pacificgeotechnical.com</a></p>	<p><b>CONSTRUCTION COST CONSULTANTS</b> 1210 Ward Avenue, Suite 204 Honolulu, Hawaii 96814 Phone: (808) 947-6855 info@juno-associates.com</p>	<p>SUITE 1500, PACIFIC PARK PLAZA 711 KAPIOLANI BOULEVARD HONOLULU, HAWAII 96813 TELEPHONE: (808) 593-1676 FAX: (808) 593-1607 EMAIL: <a href="mailto:paren@pareninc.com">paren@pareninc.com</a> <b>dba park engineering</b> Engineers, Surveyors, Planners</p>
<p><b>PHOENIX INTERNATIONAL</b> (808) 486-6595 UNDERWATER WELDING INSPECTION REPAIR ENGINEERING®</p>	<p><b>Sato &amp; Associates, Inc.</b> Consulting Engineers Honolulu • Maui <a href="http://www.satoandassociates.com">www.satoandassociates.com</a></p>	<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> Sales, Engineer Mobile: 808-479-1216 Email: <a href="mailto:twaites@strongtie.com">twaites@strongtie.com</a> <b>Simpson Strong-Tie Co., Inc.</b></p>
<p><b>SSFM INTERNATIONAL</b> <a href="http://www.ssfm.com">www.ssfm.com</a></p>	<p><b>WATER P. THOMPSON, INC.</b> SUNSHINE &amp; MARINE 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:rmtwill@rmtwill.com">rmtwill@rmtwill.com</a> <a href="http://www.rmtwill.com">www.rmtwill.com</a></p>	<p><b>State Dept. of Transportation</b> <a href="http://hawaii.gov/dot">hawaii.gov/dot</a> Engineering transportation solutions in Airports, Harbors, Highways and Administration</p>
<p><b>URS</b> Engineers Scientists Program and Construction Managers Environmental Planners 915 Fifth Street, 17 Floor Honolulu, Hawaii 96813-5145 Ph: (808) 583-1116 F: (808) 583-1190</p>	<p><b>WALKER INDUSTRIES, LTD.</b> Precast Concrete Products  <b>CONSPAN</b> BRIDGE SYSTEMS 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> <a href="http://www.wilsonokamoto.com">www.wilsonokamoto.com</a></p>	<p><b>YOGI KWONG ENGINEERS, LLC</b> 1357 Kapiolani Blvd., Suite 1450 Honolulu, HI 96814 Tel: (808) 942-0001 Fax: (808) 942-0004</p>

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 Civil   Traffic   Environmental   Surveying Branch Offices in Wailuku, Maui and Hilo, Hawaii www.atahawaii.com	 WWW.BELT-COLLINS.COM	 Tel: 808.792.2022 Fax: 808.792.2033 1124 Fort Street Mall Suite 200 Honolulu, HI 96813 info@BillsEngineering.com	 • Project Management • Planning • • Architectural/Engineering Design • Construction Management • 94-408 Akoki Street, Suite 201-A • Waipahu, Hawaii 96797 Phone: 808.836.7787 • Telefax: 808.834.4833
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 1320 N SCHOOL ST., STE 1 HONOLULU, HAWAII 96817 ENGINEERS-SURVEYORS HAWAII, INC. (FORMERLY WILLIAM HEE & ASSOCIATES, INC.) Phone: 591-8116	<b>MASA FUJIOKA &amp; ASSOC.</b> A PROFESSIONAL PARTNERSHIP ENVIRONMENTAL • GEOTECHNICAL • HYDROGEOLOGICAL CONSULTANTS 98-021 Kamehameha Highway, Suite 337 Aiea, Hawaii 96701-4914 Phone 808 484-5366 • Fax 808 484-0007 masa-fujioka-associates.com • mfujioka@masafujioka.com	<b>FUKUNAGA &amp; ASSOCIATES, INC.</b> 1357 Kapiolani Blvd., Suite 1530 Honolulu, HI 96814 Ph: 944-1821 • Fax: 946-9339 office@fukunagaengineers.com www.fukunagaengineers.com	 Geotechnical Engineering and Drilling Services 2006 Kalihi Street Honolulu, Hawaii 96819 Phone: 841-5064 Fax: 847-1749
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