

# wiliki o hawaii



ENGINEER  
OF HAWAII

VOL. 52 NO. 11

SERVING 2000 ENGINEERS & LAND SURVEYORS

JANUARY, 2017

## 2017 ENGINEERS WEEK KICK-OFF LUNCHEON

Tuesday, February 21, 2017, 11:30 am  
Hale Koa Hotel, Banyan Tree Showroom

**Robert Kroning, P.E., Director**

**Department of Design and Construction  
City and County of Honolulu**

**“Department of Design and Construction Top Projects and Smarter  
Cities Initiative”**

Robert Kroning began working as the Director of the Department of Design and Construction (DDC) at the City and County of Honolulu (CCH) in September 2014. DDC is responsible for managing a majority of CCH's Capital Improvements Program as well as all necessary land acquisitions.



Prior to starting at the City, Robert served 24 years as an Engineer Officer in the United States Army. Assignments included: Platoon Leader in Germany; Company Commander for a Construction Company in Panamá and for a Power Generation and Distribution Company in Ft. Bragg, NC; Deputy Commander for the Corps of Engineers Honolulu District; and Deputy Director for the Engineering Programs Office in Afghanistan. He also served in various staff assignments in Salt Lake City, Atlanta, Iraq, and with NATO in Italy and Spain.

Robert was born and raised in New Jersey and has lived in Hawaii since 2005. He graduated with a Bachelor of Science in Civil Engineering from the United States Military Academy in 1990 and earned a Masters in Engineering Management from Southern Methodist University in 2002. Robert is a licensed professional engineer in the State of Hawaii.

More information on the Engineers Week Kick-off Luncheon can be found on page 4. Please register online and pay by credit card or PayPal at SAME Honolulu's website – [www.samehonolulu.org](http://www.samehonolulu.org).

## 2017 ENGINEERS WEEK BANQUET

Saturday, February 25, 2017, time

Glass Ballroom at the Koolau Ballrooms and Conference Center

44-550 Kionaole Road, Kaneohe

Guest Speaker to be announced soon.

Program: Presentation of Engineer of the Year, Young Engineer/Early Career, HCES Lifetime Achievement and Student Engineer of the Year Awards. Installation of 2017 HCES Officers.

Check out [www.hceshawaii.org](http://www.hceshawaii.org) for more information. RSVP Registration form can be found on page 3.

## Engineers Week Exhibit and VEX IQ Tournament

Saturday, February 18, 2017, 10:00 am to 2 pm

Windward Mall Center Court

The Hawaii Council of Engineering Societies (HCES) is kicking off Engineer's Week at Windward Mall Center Court on Saturday, February 18, 2017 from 10am-2pm. You are invited to stop by and check out hands-on activities and displays showcasing how “Engineers Dream Big” in Hawaii.

Joining HCES will be VEX IQ teams in a fast-paced skills challenge as they vie for a spot in the Worlds championship tournament.

HCES is welcoming participants who would like to showcase science, engineering, math, and technology (STEM) with an interactive booth, display board, or donation. Last year's event attracted hundreds of shoppers.

Contact Kristen Yoshida ([kyoshida@bchdesign.com](mailto:kyoshida@bchdesign.com)) or Bill Lee ([leeb@coffman.com](mailto:leeb@coffman.com)) for more information.

### WE'VE MOVED

The Hawaii Council of Engineering Societies has changed their website and email addresses to:

HOME PAGE: [hceshawaii.org](http://hceshawaii.org)

EMAIL: [hcesorg@gmail.com](mailto:hcesorg@gmail.com)



**HONOLULU POST  
SOCIETY OF AMERICAN  
MILITARY ENGINEERS**

Established 1920 --  
Dedicated to the  
National Defense

P.O. Box 31218, Honolulu, HI 96817

Web page: [www.samehonolulu.org](http://www.samehonolulu.org)

### SAME Honolulu Officers and Directors

President	Col Scott Warner, USAF
VP/Programs	Leighton Wong, PE
VP/Sustaining Members	Will Boudra, F.SAME, USN (Ret)
Secretary	Wesley Ishizu, PE
Treasurer	Capt Jonathan Polston, USAF
Regional VP, Pacific Region	David Brothie, PE
Advisor at Lge, Air Force	Richard Stump, AIA, F.SAME
Advisor at Lge, Army	Col Mickey Addison, USAF
Advisor at Lge, Civilian	MAJ Andrew Johannes, USA
Advisor at Lge, Coast Guard	John Lohr, Col, USAF (Ret)
Advisor at Lge, Navy	LCDR Todd Wimmer, USCG
	LCDR Nathaniel Herron, USN



**HAWAII COUNCIL  
of  
ENGINEERING SOCIETIES**

P.O. Box 2873  
HONOLULU, HAWAII 96802

HOME PAGE: [hceshawaii.org](http://hceshawaii.org)

EMAIL: [hcesorg@gmail.com](mailto:hcesorg@gmail.com)

### 2016-2017 OFFICERS

Chair:	Stephanie Doan
Vice-Chair:	Joanne Hiramatsu
Secretary:	Ken Kawahara
Treasurer:	Kristen Yoshida

### SOC

AACE  
ACECH  
APWA  
ASCE  
ASHRAE  
ASME  
CMAA  
EAH  
FALEA  
HSPE  
IEEE  
ITE  
SAME  
SEAOH  
SFPE  
SWE  
UHM CoE

### Representative

C. Kanae  
K. Kawahara  
J. Hiramatsu  
B. Rasa  
D. Kiah  
D. Kam  
T. Bramson  
M. Albright  
F.T. Cruzata  
M. Kamaka  
G. Torigoe  
W. Yamamoto  
L. Wong  
R. Lawton  
S. Dannaway  
K. Yoshida  
S.K. Choi

### Alternate

M. Uyehara

D. Sato

K. Kunimine



**Hawaii Society of  
Professional Engineers**

A state society of the National Society of Professional Engineers

P.O. BOX 3774 HONOLULU, HAWAII 96812

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

### HSPE Officers, 2016 to 2017

President:	Mike Silva, PE, LS, LEED AP <a href="mailto:mike@femaui.com">mike@femaui.com</a>
President Elect:	Mike Kamaka, PE <a href="mailto:mkamaka@bowersandkubota.com">mkamaka@bowersandkubota.com</a>
Vice President:	Michael A. Lum, PE <a href="mailto:mlum@bowersandkubota.com">mlum@bowersandkubota.com</a>
Past President:	Curtis Beck, PE <a href="mailto:curt137inverse@yahoo.com">curt137inverse@yahoo.com</a>
House of Delegates Rep:	Majella Stevenson, PE <a href="mailto:MujTravel@aol.com">MujTravel@aol.com</a>
Secretary:	Irina Constantinescu, PE, LEED AP <a href="mailto:IConstantinescu@brwncaid.com">IConstantinescu@brwncaid.com</a>
Treasurer:	Kurt Kunimine, PE <a href="mailto:kkunimine@bowersandkubota.com">kkunimine@bowersandkubota.com</a>



Published monthly by:

HAWAII COUNCIL OF ENGINEERING SOCIETIES

SERVICE PRINTERS, INC.

1829 Dillingham Boulevard • Honolulu, HI 96819

Telephone: (808) 841-7644 • Fax: (808) 847-1487

ADDRESS ARTICLES FOR PUBLICATION TO:

WARREN YAMAMOTO

1526-C Pukeye Avenue • Honolulu, HI 96816

Telephone: 732-5216

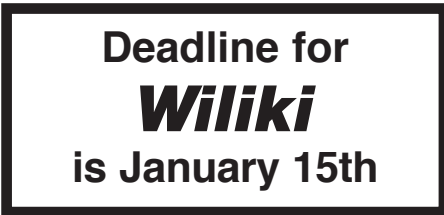
**WILIKI MAILING LIST**

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.



**HAWAII CHAPTER OFFICERS**

President: Robert Bigtas  
S.S. Dannaway Associates  
rbigtas@ssdafire.com  
Vice President: Derick Kam  
Fire Protection  
Secretary: Ferdi Guinto  
Lohaus and Associates  
Treasurer: Sam Dannaway  
Coffman Engineers  
Director: Mel Harano  
Thermal Engineering Corporation  
Director: Bob Lohaus  
Lohaus and Associates



**2016-2017 ITE Officers**

President: Sara Okuda  
sara.t.okuda@hawaii.gov  
Vice Pres.: Chad Kadokawa  
ckadokawa@wilsonokamoto.com  
Secretary/ Claire Fukuoka  
Treasurer: cfukuoka@atahawaii.com



**CCMAA Hawaii Chapter**

<http://hawchapter.cmaa.org>

**2016 – 2017 CMAA Hawaii Board**

**PRESIDENT:** Chandra Namumnart, CCM, CISEC (EKNA Services, Inc.)

**VICE-PRESIDENT:** Jeff Mack, P.E. (CH2M)

**SECRETARY:** Julie Hero, P.E., CCM (SSFM International)

**TREASURER:** Alex Pascual, P.E. (Bow Construction Management Service, Inc.)

**PAST PRESIDENT:** Bill Thornton, CCM (Ledcor)

**DIRECTOR:** Derek Mukai, P.E., CCM (Community Planning and Engineering, Inc.)

**DIRECTOR:** Tim Bramsen, CCM (Bowers + Kubota Consulting)

**DIRECTOR:** Mike Young, P.E., CCM (Bowers + Kubota Consulting)

**DIRECTOR:** Jeff Clark (Flour)

**CMAA Hawaii Chapter News:**

Happy New Year! We hope that you and your Ohana had a safe and relaxing Holiday season, and that 2017 brings you only good things. December of 2016 ended our year in a flurry at CMAA Hawaii! On December 3rd CMAA/AACE sponsored a joint community service beach cleanup event at Kahana Bay Beach Park. The event was a huge success with a very good turnout including volunteers from CMAA, AACE and friends. It was a good opportunity to meet with old friends and become acquainted with new ones. Items collected included plastic, cans, bottles, plastic crate, starter motor, broken rocking chair and many misc. items. The event was followed with a BBQ and casual socializing. A good time was had by all. Cleanup areas included beach and park areas, shoreline, and parking lot. Over two hundred pounds of trash was collected for disposal. Mahalo to all that participated and helped to plan and facilitate the event. We are looking forward to co-hosting more events with other Engineering organizations in the future.

On Dec 13th our chapter hosted a luncheon at Dave and Buster's in Honolulu featuring guest speaker Chris Takashige, (Director of Design and Construction at HART and current CMAA National CCM of the Year). Chris discussed his career in Construction Management and the experiences that led to his understanding of the importance and value of utilizing Certified Construction Managers on construction projects from an owner's perspective.

We expect 2017 to be another great year of building CMAA Hawaii, and we would love for you to be a part of the excitement. Our chapter is here as a resource for **all** Construction Engineering and Management professionals, and the things that we do benefit not only our CM community but our larger Ohana as well.

If you have any questions regarding any of our upcoming events, would like to join our Ohana and become more involved with the CMAA Hawaii Chapter



**Envision Sustainability Professional Accreditation Workshop**

Instructor: Amanda Schweickert, PE

Date: Tuesday, February 28, 2017

Time: 8:30 a.m. to 4:30 p.m.

Place: Pearl Country Club, Room 2

Costs, including lunch:

- \$500 for Private Sector

- \$400 for Public Sector and Full-Time Faculty

- \$350 for Qualified Student

This full day workshop, facilitated by Institute for Sustainable Infrastructure (ISI)-approved trainers, will qualify participants to take the Envision Sustainability Professional (ENV SP) accreditation exam. The workshop is an alternative to the webinar training offered on the ISI website. Upon completion, participants will be able to use Envision to aid in sustainable infrastructure planning and design, receive 6 PDH's and be eligible to take the ENV SP exam.

The workshop consists of a presentation, discussions and group exercises. All content is approved by ISI. Participants will receive a workshop reference that includes the presentation slides, information on verified projects and case studies and have access to the online training webinar and Envision Guidance Manual.

Please go to [www.env\\_sp\\_training\\_workshop.eventbrite.com](http://www.env_sp_training_workshop.eventbrite.com) to register. Payment can be made by check or credit card. Space is limited; sign-up deadline is Thursday, February 16, 2017.

Questions - please contact Jon Young at 808.754.2931 or by email at [teachawaiienvision@gmail.com](mailto:teachawaiienvision@gmail.com).

This is a TEACHawaii event.

**Masters in Geoscience for Professionals (MGeo)**



UNIVERSITY OF HAWAII  
HONOLULU

DEPARTMENT OF GEOLOGY & GEOPHYSICS

The MGeo is a master's degree in applied geoscience for individuals, including working professionals, with a bachelor's degree in the natural sciences, math, or engineering. It prepares students for careers in fields such as geological, geotechnical & environmental consulting, hydrology, water resources, natural hazard mitigation, climate change adaption, natural resources, & renewable energy development.

Applications taken until January 15, 2017  
[www.soest.hawaii.edu/GG/academics/gg\\_mgeo.html](http://www.soest.hawaii.edu/GG/academics/gg_mgeo.html)

or would simply like to be added to our email list, please email us at [hawaii.cmaa@gmail.com](mailto:hawaii.cmaa@gmail.com), or at our mailing address; CMAA Hawaii, PO Box 531, Honolulu, HI 96809.

*continued on page 7*



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

**2016-2017 Board of Directors**

President - Corey Matsuoka, SSFM International  
 President-Elect - Jeff Kalani, Yogi Kwong Engineers  
 Treasurer - Sean Sugai, Ronald N.S. Ho & Associates  
 Secretary - Ken Kawahara, Akinaka & Associates, Ltd.  
 National Director - Janice Marsters, Hart Crowser  
 Past President - Robin Lim, Geolabs  
 Director - Garret Masuda, Insynergy Engineering, Inc.  
 Director - Liana Choy, Sato & Associates, Inc.  
 Director - Paul Matsuda, Group 70 International

**LETTER FROM THE ACECH PRESIDENT**

*Written by Corey Matsuoka, P.E., PMP, LEED AP*

Growing up as a sports loving child in Hawaii in the 70's and 80's, you can't help but be drawn to the University of Hawaii's Rainbow Baseball team. Names like Ross Kagawa, Todd Takayoshi, Marcus Owens and more are like legends to guys my age. Now with my sons at that age, we still go to the Rainbow Stadium every now and then to enjoy a day at the park. So I was really looking forward to our most recent ACECH General Membership meeting where our featured speaker was none other than Head Coach Mike Trapasso of the Hawaii Rainbow baseball team. Needless to say, I was not disappointed.

Although you might think that being the head coach of a baseball team and running an engineering company do not have much in common, Coach's talk proved that we face much of the same challenges. We both are in the business of managing a team and Coach based his talk on the book, "How Winning Works: 8 Essential Leadership Lessons from the Toughest Teams on Earth". He went on to describe the eight essential elements of teamwork and how he applies them to his team. They are:

- T – Total Commitment
- E – Empathy and Awareness
- A – Adversity Management
- M – Mutual Respect
- W – "We" Thinking
- O – Ownership of the Project
- R – Relinquishment of Ego
- K – Kinetic Leadership

What I found especially interesting was how Coach Trapasso had to change his thinking to address the millennial generation.

In the past, if Coach said, "run through that wall", the kid would put on his helmet and do his best to run through the wall. Now, not only does he have to say "run through that wall", but he also has to explain "why we should run through that wall", "what happens when we hit the wall", and "what's on the other side of the wall".

Sound familiar? Do you see the similarities between a baseball coach and an engineering manager? Just like Coach, we need to have kinetic leadership, able to adjust our game plans, so we can keep our teams winning in the future.

Corey Matsuoka, P.E., PMP, LEED AP  
 ACECH President (FY 2016-2017)



**2017 Engineers Week Banquet**

Saturday, February 25, 2017

Glass Ballroom at the Koolau Ballrooms & Conference Center

5:30 p.m. Cocktails  
 6:30 p.m. Dinner  
 7:15 p.m. Program:

- Presentation of Engineer of the Year, Young Engineer/Early Career, HCES Lifetime Achievement, and Student Engineer of the Year Awards.
- Guest Speaker – to be announced mid-January
- Installation of 2017 HCES officers.

Contact Person and Organization \_\_\_\_\_

Address \_\_\_\_\_

Telephone \_\_\_\_\_ E-mail \_\_\_\_\_

Rates are \$60.00 per person for registration(s) postmarked on or before February 10, 2017, \$70.00 per person for registration(s) postmarked after February 10, 2017, and \$40.00 for students. Tables will seat 10 people. **Registration deadline is February 17, 2017.**

HCES has invited special guests to attend the banquet. These guests may include the Governor, Mayors, State Legislators, Governmental Department Directors, and/or their representatives.

If you would like to sponsor an invited special guest and their spouse/companion to sit at your table, please fill in "HCES Special Guest" for two seats in the list below and HCES will assign a special guest and their spouse/companion to your table. Alternatively, if you would like to arrange for your own special guest(s), please include their name(s) in the list below.

Please type or print the name and company/organization affiliation for each attendee, as they would like it to appear on their name tag.

Name	Company or Organization
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____
6. _____	_____
7. _____	_____
8. _____	_____
9. _____	_____
10. _____	_____

Number of people attending: \_\_\_\_\_ x \$60.00 (registration on or before Feb 10) = \_\_\_\_\_

Number of people attending: \_\_\_\_\_ x \$70.00 (registration after Feb 10) = \_\_\_\_\_

Number of students attending: \_\_\_\_\_ x \$40.00 = \_\_\_\_\_

Sponsored Guests (2 x \$60.00 = \$120.00) = \_\_\_\_\_

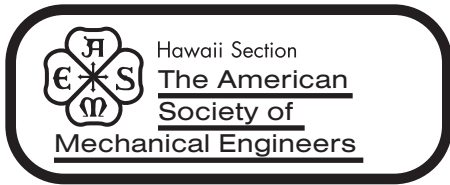
**TOTAL AMOUNT REMITTED .....** \_\_\_\_\_

**To pay by credit card, please visit the HCES' new website address at [www.hceshawaii.org](http://www.hceshawaii.org). Please note that an additional fee will be applied to process the credit card transaction.**

To pay by check, Please make checks payable to "HCES" and mail with completed registration form to:

2017 Engineers Week Banquet  
 c/o Kristen Yoshida  
 2153 North King Street  
 Suite 200  
 Honolulu, HI 96819-4554

Banquet attire will be aloha wear. There is no charge for parking. For further information or inquiries regarding the Banquet, please contact 2017 Registration Coordinator Benjamin Rasa at [benjaminrasa@kennedyjenks.com](mailto:benjaminrasa@kennedyjenks.com) or Jason Kage at [jason.kage@ch2m.com](mailto:jason.kage@ch2m.com).



[www.asme-hi.com](http://www.asme-hi.com)

**ASME-HI 2015-2016 Officers**

Chairperson	Derek Sato	543-4108
	<i>Derek.sato@hawaiianelectric.com</i>	
Vice-Chair	Derick Kam	
	<i>derickFPE@gmail.com</i>	
Secretary	Victor Russell	
	<i>dsaengr@aol.com</i>	
Treasurer	Kevin Dang	737-1708
	<i>dangk001@hawaii.rr.com</i>	
Past-Chair	Kory Ikeda	
HCES Rep:	Derick Kam	
Alternate:	Derek Sato	

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

Date: January 18, 2017  
 Time: 5:30 pm to 7:00 pm  
 Place: HECO Ward Ave Cafeteria  
 Conference Room

Agenda: Planning for Engineers Week.

As usual, all members are invited and encouraged to attend our meetings. There are always lots of complimentary pizza and soft drinks. Please contact Chairman Derek Sato for directions and for more information, such as parking within Hawaiian Electric's Ward Avenue facilities.

**2017 BALLOTS & SURVEY**

Towards the end of January, members will be receiving our Hawaii Section notice to visit SurveyMonkey.com for our annual ballots and survey. In the July 2016 Wiliki article, the changes to Section Operations affecting the Hawaii Section were outlined as follows. All sections-created bylaws have been discontinued with all sections following one ASME Bylaws. Instead of "section," "group" is being used more with former section officers known as group leadership team with voting roles. The titles of the group leaders remain the same, except we cannot have leaders called directors. There can be only two "Members" formerly known as directors. Previously, our now defunct bylaws called for up to four directors. In addition, the titles "Officer," "Director," "President," or "Vice-President" are not to be used for any Group volunteer positions.

Group participants are placed into "Voting" and "Non-voting" roles. The Group Leadership Team (GLT) has the Voting roles. Committee chairs and committee members fall in the Non-voting supporting roles.

Starting with our 2017 ballots, we will elect the same titles Chair, Vice-Chair, Treasurer, and Secretary, but instead of Directors, we will include two positions called "Members", and also a "Group Page Administrator." It is stressed that the Chair and the Treasurer must be two different individuals. Each Group leadership position on the GLT shall be nominated for a 1-year term, with a maximum of 3 consecutive years of service in a particular position (e.g., Chair, or Treasurer) for any given volunteer.

If you are interested in becoming a "group leader," please contact Chair Derek Sato

*continued on page 7*



Society of  
**SAME**  
 American Military Engineers  
 Honolulu Post



**The Society of American Military Engineers, Honolulu Post  
 and  
 The Hawaii Council of Engineering Societies**

*cordially invite you to join us for the*

**2017 ENGINEERS WEEK  
"KICK-OFF" LUNCHEON**

**Guest Speaker:**

**Robert J. Kroning, P.E., Director  
 Department of Design and Construction (DDC)  
 City and County of Honolulu**

**Presentation:**

**DDC Top Projects and  
Smarter Cities Initiative**

**Hale Koa Hotel, Banyan Tree Showroom  
 11:30 AM, Tuesday, February 21, 2017**

**Warrior Buffet Luncheon Cost: \$45.00**

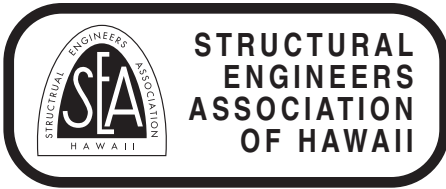
**PLEASE RSVP NLT: Wednesday, February 15, 2017**

**Payment Method:**

Please visit the SAME Honolulu website to register with a credit card or PayPal. [www.samehonolulu.org](http://www.samehonolulu.org)

**Questions:**

Please contact Kendra McDonough with any questions or concern.  
[kendra.mcdonough@navy.mil](mailto:kendra.mcdonough@navy.mil),  
 808.474.5426 (o), 808.265.0672 (m)



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

#### 2017 BOD OFFICERS AND DIRECTORS

President	Jonathan Murai	791-3952
	<a href="mailto:jmurai@kaihawaii.com">jmurai@kaihawaii.com</a>	
Vice President	Jeffrey Cudiamat	488-5000
	<a href="mailto:jcudiamat@structuralhawaii.com">jcudiamat@structuralhawaii.com</a>	
Secretary	Andrew Pang	535-3008
	<a href="mailto:andrewp@nagamineokawa.com">andrewp@nagamineokawa.com</a>	
Treasurer	Reid Nishimura	521-6958
	<a href="mailto:reid.nishimura@englekirk.com">reid.nishimura@englekirk.com</a>	
Director (Yr 2)	Damien Enright	845-2474
	<a href="mailto:structurs001@hawaii.rr.com">structurs001@hawaii.rr.com</a>	
Director (Yr 2)	Ryan Lawton	208-1433
	<a href="mailto:rlawton@histructures.com">rlawton@histructures.com</a>	
Director (Yr 1)	Michael Greer	591-2728.
	<a href="mailto:mgreer@wje.com">mgreer@wje.com</a>	
Director (Yr 1)	Deborah Kim-Ito	271-2862
	<a href="mailto:dkimito@pono-gms.com">dkimito@pono-gms.com</a>	
Past President	Jeffrey Hanyu	536-2108
	<a href="mailto:jeffreyhanyu@allisonide.com">jeffreyhanyu@allisonide.com</a>	

#### PREVIOUS BOD MEETING AND TRANSITION DINNER

December 6, 2016

#### General Membership Meetings/Technical Seminars/Events

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

- SEA OH Installation Banquet – January 21st, 2017 6pm, Honolulu Country Club.
- ASCE 7 Tsunami Design Provisions and Application to the State of Hawaii – Training event in February to be announced.
- SEA OH Annual Convention – August 25 and 26, Aulani Resort & Spa, details to be announced.

#### New Member Applications

Applications for the following individuals have been received and are open for comments from the membership: Samuel Heidema as a MEMBER and Colin Kodama as an Associate Member.

**Next Meeting** on January , 2016. For information, contact SEA OH President; Jonathan Murai [jmurai@kaihawaii.com](mailto:jmurai@kaihawaii.com).



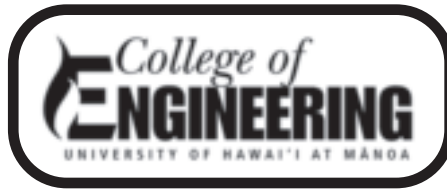
#### Hawaii Section 2016-2017 OFFICERS

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

President	David Ladines
Vice President	Maelyn Uyehara
Secretary	Kristy Kastner, PSP
Treasurer	Chris Kanae
Director of Social Media	Cristo Rojas

CMAA and AACE held a joint community service event at Kahana Bay. This beach cleanup was enjoyed by our colleagues, family and friends. Generally, Kahana Bay is well kept but our group managed to collect over 200 pounds throughout the beach, park area, shorelines and parking lot. We collected plastic, cans, bottles, large crate, rope and much more.

*continued on page 7*



2540 Dole Street, Holmes Hall  
Honolulu, Hawaii 96822

#### UHM College of Engineering Deans and Chairs

Interim Dean	H. Ronald Riggs
Assistant Dean	Song K. Choi
CEE Chair	Panos Prevedouros
EE Chair	Wayne Shiroma
ME Chair	Mehrdad N. Ghasemi Nejhad
HCAC Director	Magdy Iskander

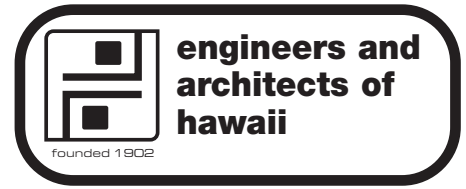
#### UH College of Engineering Store Now Open!

For proud alums, friends, and supporters of the UH Manoa College of Engineering, CoE logo merchandise is now available.

Shop the CoE online store at [www.eng.hawaii.edu/store](http://www.eng.hawaii.edu/store).



Sport-Tek-PosiCharge-Active-Textured-Polo



PO box 4353, Honolulu, Hawaii 96813

An association for Hawaii's Engineers and Architects

WEB address: [www.eahawaii.org](http://www.eahawaii.org)

#### EAH 2015- 2016 Officers

President	Michael Albright, PE	
1st VP	Sam Gillie	
2nd VP	George Coates	
Treasurer	Aaron Erickson, PE	591-2728
Secretary	Gary Yamamoto, PE	485-2777

EAH's new meeting location is Room 301 in the Topa Tower (Ewa tower on Fort Street; Old AMFAC Building). Validated 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.

Lunch is \$10.00 Members, \$12.00 Guests. (All Welcome), Students Free. Drink refreshments are complimentary. You may bring your own lunches, in which case a \$2.00 donation is gratefully appreciated!!

**TILECO INC.**

**We Help to Build Hawaii**

ph. **682-5737**  
[www.tilecoinc.com](http://www.tilecoinc.com)

**CONCRETE BLOCKS & BRICKS**  
**CEMENT • MORTAR • SAND • REBAR • KEYSTONE RETAINING WALL PRODUCTS**



**2016-2017 ASCE Hawaii Section Officers**

- President: Tim Goshi, P.E.  
*email: tgoshi@kaihawaii.com*
- Pres.-Elect: Lara Karamatsu, P.E.  
*email: lkaramatsu@ascehawaii.org*
- Vice Pres.: Eric Arakawa, P.E.  
*email: earakawa@ascehawaii.org*
- Treasurer: Jason Kage, P.E.  
*email: jkage@ascehawaii.org*
- Secretary: Dayna Nemoto, P.E.  
*email: dnemoto@ascehawaii.org*
- Past Pres.: Ben Rasa, P.E.  
*email: brasa@ascehawaii.org*
- YMF Pres.: Norman Leong, P.E.  
*email: nleong@ascehawaiiymf.org*

**ASCE HAWAII SECTION JANUARY DINNER MEETING**

The January Dinner Meeting is scheduled to be held on Thursday Jan. 12th.

**Description:** Makai Ocean Engineering, Inc. owns and operates what is currently the world's largest operational Ocean Thermal Energy Conversion (OTEC) power plant at the Natural Energy Laboratory of Hawaii Authority (NELHA), near the Kona Airport. In the summer of 2015, the power plant was connected to the Big Island electrical grid, with a maximum capacity of 105 kilowatts. The purpose of the project is to determine the reduction in the levelized cost of energy (LCOE) for OTEC through improvements in its component technologies, with a strong focus on the marine heat exchangers. Project specifics, challenges met and overcome, and the current state and future of OTEC development will be presented.

- Speaker:** Duke Hartman
- Date:** Thursday, January 12th, 2017
- Location:** Dave and Busters, Paina Room (2nd Floor)
- Time:** 5:30 p.m. Social Time  
6:30 p.m. Dinner  
7:00 p.m. Program
- Menu:** Multi-entrée buffet
- Cost:** \$30.00 for ASCE Hawaii Section Members  
\$35.00 for Non-Members and Guests  
\$20.00 for University of Hawaii at Manoa ASCE Student Chapter Members

**Reservations:**

Please make checks payable to "ASCE Hawaii Section" and mail to: Jason Kage, ASCE Hawaii Section Treasurer, CH2M Hill, Inc. 1132 Bishop Street, Suite 1100, Honolulu, Hawaii 96813; by Tuesday, January 3, 2017. Phone/email RSVP by Wednesday, January 4, 2017, (808) 943-1133 or email at *jkage@ascehawaii.org*. No shows will be billed.

**EXECUTIVE COMMITTEE MEETING**

Last held: Wednesday, December 14, 2016  
Next meeting: January 5, 2017

**CONTINUING EDUCATION**

ASCE National holds more than 275 seminars, courses 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

**APPROVED FY 2017 BUDGET**

INCOME CATEGORIES	FY16	FY 17
	ACTUAL INCOME	BUDGET AMOUNT
Section Dues	\$ 9,210	\$ 11,500
Society Allotment	\$ 4,606	\$ 4,000
Interest	\$ —	\$ —
Scholarship Acct Interest	\$ 1,972	\$ 1,400
Contributions to Section	\$ 910	\$ 900
Grants	\$ 1,000	\$ —
Advertising Income	\$ 760	\$ 2,000
ASCE Conf in Hawaii	\$ 1,860	\$ —
Miscellaneous	\$ 18,760	\$ 100
Meetings	\$ 22,460	\$ 23,000
OCEA	\$ 15,890	\$ 6,000
ASCE Golf Tournament	\$ 36,190	\$ 36,000
Walter Lum Fund	\$ 320	\$ 500
Taxes	\$ —	\$ —
Outreach	\$ 230	\$ —
<b>Total Income</b>	<b>\$ 114,167</b>	<b>\$ 85,400</b>

EXPENSE CATEGORIES	FY16	FY 17
	ACTUAL EXPENSE	BUDGET AMOUNT
Grants	\$ 363	\$ —
ASCE Conf in Hawaii	\$ 180	\$ —
Miscellaneous	\$ 18,584	\$ 200
Donations from Section	\$ —	\$ —
Stationery & Supplies	\$ 10	\$ 100
Postage + PO Box Rental	\$ 238	\$ 200
Newsletter	\$ —	\$ —
Meetings	\$ 25,052	\$ 20,500
OCEA Banquet	\$ 6,649	\$ 5,000
Website	\$ —	\$ 1,500
Younger Member Forum	\$ 3,000	\$ 3,000
Student Chapter	\$ —	\$ 1,500
Official Travel	\$ 9,107	\$ 7,900
Committee Expenses	\$ —	\$ 700
Scholarship Awards	\$ 6,000	\$ 6,000
ASCE Golf Tournament	\$ 26,452	\$ 34,000
ASCE Region 8	\$ 1,137	\$ 1,200
Awards & Prizes	\$ 2,000	\$ 2,000
Taxes	\$ 1,638	\$ 1,600
Outreach	\$ 1,289	\$ —
<b>Total Expenses</b>	<b>\$ 101,701</b>	<b>\$ 85,400</b>
<b>Net Income (Expenses)</b>	<b>\$ 12,466</b>	<b>\$ —</b>

seminars, online courses and courses on CD, videotape, and audiotape. Please visit <http://www.ascehawaii.org/links.html> and click on ASCE National 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 Glenn Miyasato at 488-7579, or *gmiyasato@ascehawaii.org*.

**ASCE JOB LISTINGS**

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

- Civil Engineer – CH2M
- Water Engineer – CH2M
- Assistant Program Administrator – City and County of Honolulu
- Civil Engineer V (Geotechnical) – City and County of Honolulu
- Civil Engineer V – City and County of Honolulu
- Mechanical Engineer V – City and County of Honolulu

- Structural Engineer V - City and County of Honolulu
- Junior Engineer – GPRM Prestress
- Senior Geotechnical/Geological Engineer – Hart Crowser
- Project Geotechnical/Geological Engineer – Hart Crowser
- Construction Project Engineer – Jas. W. Glover, Ltd.
- Project Manager – Kennedy/Jenks Consultants
- Staff Engineer (Honolulu Office) – Kennedy/Jenks Consultants
- Staff Engineer (Hawaii Offices) – Kennedy/Jenks Consultants
- Principal Project Control Engineer/Specialist, AIRPORT - Parsons
- Civil Engineer V – SSFM International
- Structural Engineer IV – 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/job-listings.html>.



**2016-2017 YMF Officers**

- Norman Leong, President  
*nleong@ascehawaiiymf.org*
- Jordan Urabe, Vice President  
*jurabe@ascehawaiiymf.org*
- Nicole Nakaoka, Secretary  
*nnakaoka@ascehawaiiymf.org*
- Austin Wong, Treasurer  
*awong@ascehawaiiymf.org*
- Amanda Tanaka, Past President  
*atanaka@ascehawaiiymf.org*

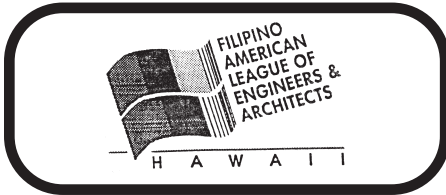
**YMF General Meeting**

The next YMF general meeting is scheduled for Wednesday, January 4, 2017 at 6:00 pm at Bloomingdales Ala Moana-Aloha Room. 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*.

**TECH Challenge**

On Saturday, November 19th, six YMF members volunteered at the FIRST Tech Challenge – Matchplay #4 at Case Middle School. The FIRST Tech Challenge is designed for students in grades 7-12. Each team is responsible for designing, building, and programming their robot in a 10-week build period to compete in an alliance format against other teams. The theme this year was Velocity Vortex. YMF members tracked the number of points scored in the vortexes, reset the playing fields, and queued the teams for the next match. Thank you to the YMF volunteers for coming out to help and to Tracy Tonaki and Jenny Uramoto for coordinating this event with the YMF.





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

**2017-18 Officers/BoDirectors**

President: Gene C. Albano, Jr., PE, LEED AP  
 VP/Pres-Elect: Ferdinand B. Guinto, PE  
 Secretary: Majella D. Stevenson  
 Treasurer: Riza Marie R. Gatdula, EIT  
 Ass't Treas: Belinda P. Tegui  
 Auditor/  
 Bus. Manager: Nick A. Orense  
 Press Rel. Off: John C. Ramos, PE, CSP  
 Past President: Francisco T. Cruzata, AIA  
 Directors: Elvi M. Sutherland  
 Angie L. Armas  
 Maritez A. Marquez  
 Belinda P. Tegui  
 Joey G. Resurreccion

**DECEMBER/JANUARY 2017 HIGHLIGHTS: Da'HOLIDAZE!** – Mele Kalikimaka! Another very promising year-end going into the New Year with our new President Gene Albano, Jr. & outgoing President Frank Cruzata together with the FALEA Board working hard to ensure the organization's legacy lives on! HAPPY NEW YEAR TO ALL!!

**CHRISTMAS 2016 GET-TOGETHER** – Thanks to Frank for making the arrangement for the venue of this final FALEA event of the year, which was held on December 11th. He said: "Thanks to those who made it there, but for those who didn't, you just missed a good party... the fun, camaraderie, food and all the nice gifts. Special thanks to Elvi & Vince for their generosity, the 'Tres Marias', and of course to all the other Board Members who made it all possible. Good Job, Gang! Once again, thank you for the help!"

**NEW ADMINISTRATION** – Congratulations to the new FALEA Officers and Directors who were recently elected to lead our organization. They are listed above. Again, CONGRATULATIONS, and may d'Force be with you!

**REMINDERS** – FALEA Installation & Awards Banquet is January 21, 2017. More details will be forthcoming and finalized during our first meeting of the year. Also, the deadline for submission of scholarship applications is January 13, 2017.

**ENJOY THE REST OF THE HOLIDAY SEASON.**

**ASCEYMF, from page 6**

**Koko Head Hike**

On Sunday, November 27th, six members of the YMF participated in an evening hike up the 1048 steps of the Koko Head Railway trail. The weather was exceptional and hikers experienced a beautiful sunset while walking back down the trail. Afterwards the group went to Sophie's Gourmet Hawaiian Pizzeria to enjoy custom made pizza and each other's company to relax after the hard hike. This event was a great way end to the Thanksgiving weekend.



**Honolulu Marathon**

On Sunday, December 11th, YMF members teamed up with the Hawaii Kai Jaycees to volunteer at the starting line and staging area of the 44th annual Honolulu Marathon. YMF members were tasked with holding ropes and signs to section off the running time zones, which was based on when the race participants were expected to finish. Also, they assisted in tying trash bags along the starting line and implementing crowd control. Thank you to the YMF volunteers for coming out to help and to Lisa Nakasone and Kathryn Hu from the Hawaii Kai Jaycees for coordinating this event with the YMF.

**ASME, from page 4**

before January 15, 2017, to put your name on the ballot.

**ENGINEERS WEEK ASSIGNMENT**

After many, many years in charge of banquet registration, ASME was relieved of this responsibility with the assignment going to ASCE. Instead, ASME-HI is assigned finding HCES promotional items and Engineering information brochure. Our January 18, 2017 meeting will be focused on these projects. Engineers Week is February 19 through February 25, 2017. The banquet is on Saturday, February 25, 2016, at Koolau Ballrooms & Conference Center. Hawaii Section members can sit at the Hawaii Section table at 50% of the regular cost of attending.

**AACE, from page 5**

Special thanks to CMAA Hawaii Chapter for organizing this event with us.  
 Our local Board Meetings are held monthly. Feel free to contact us with suggestions or interest.

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

**CMAA, from page 2**

Looking for a CCM? The current listing for all Hawaii CCMs can be found here: <https://cmaanet.org/certified-construction-managers-registry>.



**2016-2017 Chapter officers and BOD**

President: Dean Borges P.E.  
 President Elect: Kevin Luoma P.E.  
 Vice President: Mofazzal Mir P.E.  
 Secretary: Willie Diguc  
 Treasurer: Samantha Niver P.E.  
 Board of Governors: Donna Kishi  
 Matt Tio  
 David Lebowitz  
 Lori Arakawa P.E.  
 Andy Crossland P.E.  
 RJ Ritter



Website: [hawaii.apwa.net](http://hawaii.apwa.net)

**2016 Officers**

President	Victor Valdez	356-1281
	<a href="mailto:vvaldez@ssfm.com">vvaldez@ssfm.com</a>	
Vice-Pres	Ryan Char	523-5866
	<a href="mailto:rchar@group70int.com">rchar@group70int.com</a>	
Treasurer	Darin Izon	523-8499
	<a href="mailto:dizon@BrwnCald.com">dizon@BrwnCald.com</a>	
Past Pres	Tyler Sugihara	768-3600
	<a href="mailto:tsugihara@honolulu.gov">tsugihara@honolulu.gov</a>	

**Professional Directory**

<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</b>                  INTERNATIONAL                  www.ssfm.com</p>	<p><b>WPT</b>                  Water P. Treatment, 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>YOUR AD COULD APPEAR HERE FOR \$235 A YEAR</b></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  <b>CONSPAN</b>                  BRIDGE SYSTEMS                  Frederick K. Wong, PE                  P.O. Box 1568                  Kahului, Maui, Hawaii 96732                  Maui (808) 877-3430                  Fax (808) 871-7262</p>	<p><b>WILSON OKAMOTO CORPORATION</b>                  ENGINEERS - 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>YOUR AD COULD APPEAR HERE FOR \$235 A YEAR</b></p>	<p><b>Aloha 'Aina, 'Ike Honua</b>                  Local Knowledge, Global Coverage  <b>WSP</b>                  honolulu@wspgroup.com                  www.wspgroup.com                  808.536.1757</p>	<p><b>YKE</b>                  YOGI KWONG ENGINEERS, LLC                  677 Ah Moana Blvd., Suite 710                  Honolulu, HI 96813                  Tel: (808) 942-0001                  www.yogikwong.com</p> <p>Geotechnical Engineering                  Trenchless Engineering                  Construction Management</p>

HAWAII COUNCIL OF  
ENGINEERING SOCIETIES  
P.O. Box 2873  
Honolulu, Hawaii 96802

RETURN SERVICE REQUESTED

# Professional Directory

 <p>1001 Bishop Street, Suite 1600 Honolulu, HI 96813 Tel: 808.521.3051 www.aecom.com</p>	<p><b>ALLANA BUICK &amp; BERS</b> Building solutions. Engineering for life. Waterproofing &amp; Roofing Building Envelope &amp; Solar Solutions 808.538.0115 www.abbae.com</p>	 <p>2344 Pahounui Drive Honolulu, HI 96819-2220 (808) 832-9245 Fax (808) 832-9470 sales@ameronhawaii.com</p>	<p><b>Austin Tsutsumi &amp; Associates, Inc.</b> Civil   Traffic   Environmental   Surveying Branch Offices in Waialua, Maui and Hilo, Hawaii www.atahawaii.com</p>
	 <p>Tel: 808.792.2022 Fax: 808.792.2033 1124 Fort Street Mail Suite 200 Honolulu, HI 96813 info@billsengineering.com</p>	 <p>• 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</p>	 <p>Maui - Honolulu brownandcaldwell.com</p>
 <p>851 Fort Street Suite 300 Honolulu, HI 96813 808.687.8884 www.coffman.com</p>	 <p>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 Waialua, Hawaii 96793 Ph: (808) 242-9641 Email: cpsmaui@cpshawaii.net</p>	<p><b>When it's RUST</b> Call us (808) 676-1963 www.corrosioncops.com</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>1150 South King Street, Suite 700 • Honolulu, Hawaii 96814 Phone: (808) 591-8820 • Fax (808) 591-9010 Email: eci@ceihawaii.com</p>	 <p>1320 N SCHOOL ST., STE 1 HONOLULU, HAWAII 96817 Phone: 591-8116</p>	<p><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</p>	<p><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-fujioaka-associates.com • mfujioka@masafujioaka.com</p>
 <p>2006 Kalihii Street Honolulu, Hawaii 96819 Phone: 841-5064 Fax: 847-1749</p>	 <p>801 Merchant Street, Suite 900 Honolulu, Hawaii 96813 Telephone: (808) 521-0008 Fax: (808) 521-8078 www.grayhongnjima.com</p>	 <p>94-025 Farrington Hwy. Waipahu, Hawaii 96797 808/676-0205</p>	 <p>Honolulu 808.697.6200 Maui 808.359.2518 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>Geotechnical Engineering 808.486.0787 www.hirata-hawaii.com</p>	 <p>864 S. Beretania Street Honolulu, Hawaii 96813 Telephone: 537-9971</p>	<p><b>ISLAND GEOTECHNICAL ENGINEERING, INC.</b> Geotechnical Consultants 330 Ohukai Road, Suite 119 Kihei, Hawaii 96753 Phone: (808) 875-7355 Fax: (808) 875-7122 Email: ige@igehawaii.com</p>
<p><b>Kennedy Jenks Consultants</b> Engineers &amp; Scientists The BLOCK Honolulu 707 Richards Street   Suite 528 Honolulu   Hawaii   96813 P: 808.218.6030   F: 808.488.3776 Direct: 808.218.6042</p>	 <p>1622 Kanihaka Street • Honolulu, Hawaii 96817 (808) 598-7790 • tlg@hawaii.com</p>	<p><b>YOUR AD COULD APPEAR HERE FOR \$235 A YEAR</b></p>	<p><b>MCE INTERNATIONAL, INC.</b> MECHANICAL AND FIRE PROTECTION ENGINEERS 1360 S. Beretania St., Ste. 400 Honolulu, Hawaii 96814 Ph: (808) 941-0955 Fax: (808) 550-8167 Email: mcehnl@mceinternational.com</p>
<p>Creative People, Practical Solutions,® moffatt &amp; nichol Marine &amp; Transportation Planners and Engineers 808.533.7000 www.moffattnichol.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>Honolulu • Maui www.oceanit.com</p>	<p><b>Okahara and Associates, Inc.</b> ENGINEERING CONSULTANTS Civil - Mechanical Engineers Hilo: (808) 961-5527 • hilo@okahara.com Oahu: (808) 524-1224 • oahu@okahara.com www.okahara.com Small Business and Certified HUBZone</p>
 <p>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>SUITE 1500, PACIFIC PARK PLAZA 711 KAPIOLANI BOULEVARD HONOLULU, HAWAII 96813 TELEPHONE: (808) 593-1676 FAX: (808) 593-1607 EMAIL: paren@pareninc.com dba park engineering Engineers, Surveyors, Planners</p>	 <p>Consulting Engineers Honolulu • Maui www.satoandassociates.com</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: seyeng@seyeng.com</p>