

“Sub-stantial” Cost and Electricity Savings with Submetering

by Hawaii Energy

Everyone from residents to businesses consume electricity differently. Some of us have large families at home or operate machinery or equipment at work that simply requires more electricity. Others may use very little electricity because of frequent business trips and are away from home for weeks at a time. The reasons can be plentiful. So it only makes sense to pay for the electricity you use rather than everyone paying the exact amount.

Condominiums and their Association of Apartment Owners (AOAO) are often on a single electrical “master meter” that monitors electricity for the entire building. The building’s management purchases the electricity at a bulk rate and bills each resident. Electricity payments are a fixed amount based on a percentage of ownership within the property or the number of total units. The downside as mentioned earlier is that you’re not paying for actual usage.

Installing a submetering system can drastically minimize these scenarios. It encourages tenants to become financially-responsible for their consumption behavior and it allows for a fair distribution of electricity costs. The building’s management can also continue to pay a lower bulk rate for electricity.

The cost to install an electrical submetering system may range from \$350 - \$550 per unit. Monthly service fees can add an additional \$1.50 to \$5.

Hawaii Energy – the ratepayer-funded energy conservation and efficiency program for Hawaii, Honolulu and Maui counties – offers a means to offset these costs with a substantial incentive of \$150 per unit (up to 50 percent of the total project cost) for submeters used for billing. The program also provides education and an energy audit for equipment such as common area lighting, HVAC and central air conditioning or domestic water heating to help submetering participants.

Hawaii Energy is administered by Leidos Engineering, LLC, and is under contract with the Hawaii Public Utilities Commission. The program was designed to help both residents and businesses save money on their electric bills and reduce our state’s dependence on imported oil.

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31st ANNUAL HAWAII STATE MATHCOUNTS COMPETITION

The Hawaii Society of Professional Engineers (HSPE) announced the 2014 Hawaii MATHCOUNTS team on Saturday, March 8, 2014. The team includes Coach Sung Park of Washington Middle School and Mathletes Kent Kiyama of Washington Middle School, Jason Cho of Washington, David Shiraki of Seabury Hall School, and Neopold Ko of Washington. They will represent Hawaii at the 2014 Raytheon MATHCOUNTS National Competition, May 8-11, 2014, held at the Walt Disney World Swan and Dolphin Resort, Lake Buena Vista, Florida. The four will be among 224 final Mathletes from 50 states, U.S. territories, State Department schools and Department of Defense schools.

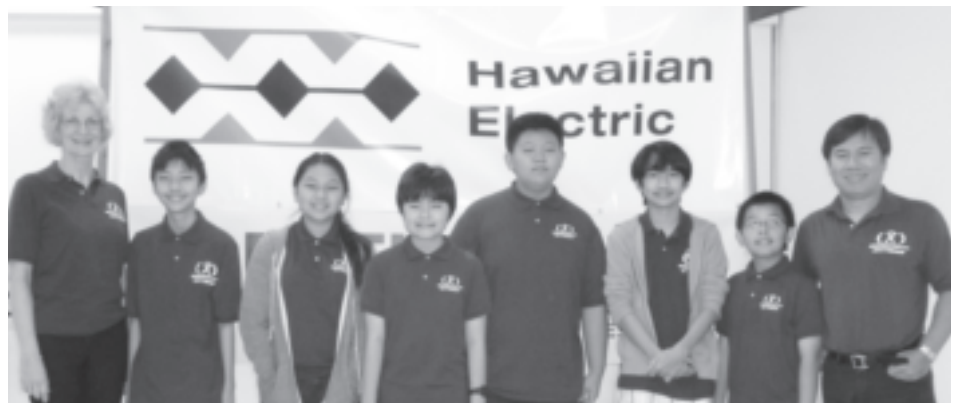
The Hawaii team was determined at the 31st Annual Hawaii State MATHCOUNTS Competition at Kamehameha Schools Kalama Dining Hall on March 8, 2014. After very intense competition between finalist from the Oahu, Hawaii and Maui MATHCOUNTS Chapters which included eight finalist schools, and 38 Mathletes. The ten highest scorers from the Sprint and Target Rounds competed in the Countdown Round with the top four Mathletes making the Hawaii team. These ten students included in tenth place Norton Kishi of Iolani School, ninth place Steven Doan of Seabury Hall School, eighth place Shelby Ferrier of Seabury, seventh place Ryan Park of Punahou School, sixth place Kenny Thai of Washington Middle School, fifth place Edward Requilman of Washington, fourth place Kent Kiyama of Washington, third place Neopold Ko of Washington, second place David Shiraki of

Seabury, and first place Jason Cho of Washington.

The ten Mathletes competed in the Countdown Round in a single-elimination, head-to-head, oral round starting with the tenth and ninth place Mathletes. The problem is shown on a screen and the pair of Mathletes is given 45 seconds to answer. The first to press the buzzer answers first, and if wrong, the other Mathlete has the rest of the 45 seconds to answer. In the earlier matches, the first to answer two problems correctly moves on to meet the next higher placed Mathlete. Positioned in fourth place, Kent Kiyama defeated the next three higher Mathletes to take first in the Countdown Round.

The Team Round determines the placing of the schools. Of the eight competing teams, in first place was Washington Middle School, and therefore Coach Sung Park has the honor of being the Hawaii Team Coach and will accompany the Hawaii Team to the National Competition. The second place to eighth place teams, respectively, were Seabury Hall School with coaches Steve Vurno and Jesse Doan, Punahou School with coaches Leslee Hosoda and Dr. Todd Chow-Hoy, Iolani School and coaches Larry Teske and Li Ann Wada, Kawanakoa Middle School with coach Amy Shishido, Waiakea Intermediate School with coaches Arlene Cabalce and Rory Inouye, Wahiawa Middle School and coach Thomas Lee, and Mililani Middle School with coaches Geri Hamada, Diane Kagawa, and Deborah Wilson. It is interesting to note that Seabury

continued on page 7



Washington Team, L-R: Coach Candace Ewell, Jason Cho, Christine Ha, Kent Kiyama, Neopold Ko, Edward Requilman, Kenny Thai, and Coach Sung Park.



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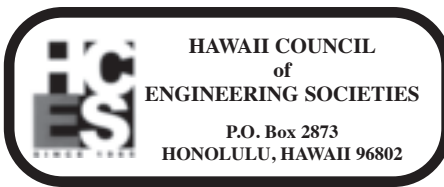
HAWAII COUNCIL OF ENGINEERING SOCIETIES

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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.



HOME PAGE: <http://hces.us>

2014-2015 OFFICERS

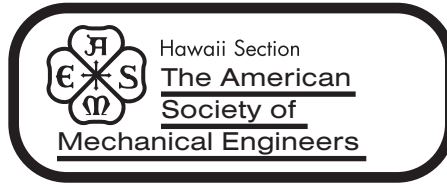
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 Chair-elect: Les Kempers
 Secretary: Joanne Hiramatsu
 Treasurer: Stephanie Doan

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ACECH	K. Hayashida	
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CMAA Hawaii Chapter
<http://hawchapter.cmaanet.org>

Officers		
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Vice Pres	Neil Kaneshiro vicepresident@cmaahawaii.org	562-308-8734
Treasurer	Darla Guerrero treasurer@cmaahawaii.org	593-1116
Secretary	Dustin Timm secretary@cmaahawaii.org	256-2020
Past Pres	Mike Young admin@cmaahawaii.org	836-7787



Website: <http://sections.asme.org/hawaii>

ASME-HI 2013-2014 Officers

Chairperson	Kory Ikeda kory.isamu@gmail.com	628-1231
Vice-Chair	Derick Kam kam@thermaleng.com	848-6966
Secretary	Derek Sato Derek.sato@heco.com	543-4108
Treasurer	Kevin Dang dangk001@hawaii.rr.com	737-1708
Past-Chair	Derek Sato derek.sato@heco.com	543-4108
HCES Rep:	Derick Kam	
Alternate:	John Ahern	

NEXT ASME-HAWAII SECTION GENERAL/ EXECUTIVE COMMITTEE MEETING

Date: April 8, 2014 Tentative
 Time: 5:30 pm to 7:00 pm
 Place: TBA
 Agenda: TBA

Members and guests are invited. There will be free pizza and soft drinks, as usual. Please contact Chairman Kory Ikeda or Secretary Derek Sato for directions and for more information, such as parking.

ASME-HI 2014-2015 OFFICERS & DIRECTORS CANDIDATES

Our 2014 Ballot/Survey will be issued shortly. The candidates are Chairman Derek Sato, Vice-Chair Derick Kam, Treasurer Kevin Dang, Secretary Kory Ikeda, Directors 2-yr term: Raymond Liu and Ed Chang. The hold-over Director is Ronald Flegal. Hold-over Director John Ahern is moving to Germany.

MATHCOUNTS 2014 HAWAII STATE COMPETITION

Ed Chang, Oahu MATHCOUNTS Proctor and scorer volunteer recruiter thanks Kevin Araki for recruiting U.S. Army Corp of Engineers (USACE) volunteers. Thanks to all the Hawaiian Electric Company volunteers in the scoring room. MATHCOUNTS also recognizes Louis Muzzarini, competition moderator for his competition leadership and clear testing instructions, and Ronald Flegal, event MC. Flegal is an ASME member. The volunteers thank HSPE for the appetizing refreshments and lunch.

FORMULA SAE 2013-2014 RAINBOW RACERS SPONSOR

Looking for a 2014 tax deductible contribution and at the same time help our mechanical engineering students? As part of their senior design course, ME students (Rainbow Racers) are designing, analyzing, fabricating, testing, and racing a vehicle reminiscent of the Formula 1 pedigree while maintaining a budget and project schedule. The Rainbow Racers (RR) is committed to building a safe, reliable, and cost effective performance car that will successfully complete all events and place competitively in the Formula SAE Lincoln competition in Lincoln, Nebraska June 18-21, 2014, and the International Student Formula Japan. The estimated cost for project including travel expenses is \$66,700.

For information, please contact students Albert Carter, Project Manager, (808) 265-8270, albertca@hawaii.edu; or Matt Scarfone, System Integrator, (808) 392-7139, tomeimatt@gmail.com; or Scott Sunada,

Financial Manager, (808) 497-7794, scott3@hawaii.edu.

All donations are tax deductible and may be made payable to "SAE at UH Manoa" and mailed to "SAE at UH Manoa," 2540 Dole Street, Holmes Hall 302 • UH Manoa • Honolulu, HI 96822.

Charitable donations may also be made online by visiting <https://giving.uhfoundation.org/give/giving-gift.aspx>.

Under Programs, select College of Engineering and in the field "Other program/account", list "ME Senior Design Project" followed by the project name (refer to the Francis R. Montgomery article for additional project names).

For donations by mail, visit <http://www.uhfoundation.org/make-gift-us-mail>. Print and complete the gift form and in the "Area of Support" section, list "ME Senior Design Project" followed by the project name.

Complete both donation processes by following the remainder of the online instructions.

FRANCIS R. MONTGOMERY DESIGN COMPETITION

The annual Francis Rhodes Montgomery Design Competition is scheduled for Friday, May 2, 2014 at the University of Hawaii, Manoa campus. We are seeking three judges. The competition is held from 12 noon to 5:00 p.m. If you can help, please email Ed Chang at change025@hawaii.rr.com.

Six teams are entered and they include SAE Formula Race Team, ALP Cooler team, SAE Regular Aero design team, UH Micro Warriors (SAE Micro Aero design team), HSFL Torque Rods team, and the Marine Robotics at UH team.

- SAE Formula Race Team is competing in the 2014 SAE formula race design series. They are competing in the Lincoln, Nebraska event in June.
- ALP Cooler team is developing a solar powered retrofit kit for mid-scale fishing coolers. The kit is intended to reduce the ice consumption on short (12-14hr) deep sea fishing trips.
- SAE Regular Aero design team is competing in the 2014 SAE regular aero design series. They are competing in the west competition in Fort Worth, Texas at the end of March.
- UH Micro Warriors (SAE Micro Aero design team) is competing in the 2014 SAE micro aero design series. They are competing in the west competition in Fort Worth, Texas at the end of March.
- HSFL Torque Rods team is working with the Hawaii Space Flight Laboratory (HSFL) here at UH Manoa to develop a less expensive magnetic torque rod for controlling the attitude of smaller satellites.
- Marine Robotics at UH is a multi-disciplinary team consisting of ME and EE students that will be competing in the 2014 AUVSI RoboBoat competition in July.

ME STUDENT SECTION HAWAIIAN ELECTRIC POWER PLANT TOUR

Derek Sato coordinated a Kahe Power Plant tour for the ASME Student Section during spring break on March 26, 2014. The students wanted to see the process of an overhaul from a mechanical engineering point of view and Kahe Unit No. 6 was on a 2.5 week maintenance outage at this time. Helping Sato were Ed Chang, Ken Hutchings and James Carberry.



2013-2014 ASCE HAWAII SECTION OFFICERS

Office	Name	Phone
President:	Brian Enomoto, P.E. <i>email: benomoto@ascehawaii.com</i>	388-5559
Pres-Elect:	Glenn Miyasato, P.E. <i>email: glenn@mkellc.com</i>	488-7579
Vice Pres:	Benjamin Rasa, P.E. <i>email: ben@tapestrypartners.net</i>	497-6209
Secretary:	Timothy Goshi, P.E. <i>email: tgoshi@kaihawaii.com</i>	791-3966
Treasurer:	Lara Karamatsu, P.E. <i>email: karamatsu@pbworld.com</i>	694-3213
Immediate Past Pres:	Ian Arakaki, P.E. <i>email: ian@tlcghawaii.com</i>	596-7790
YMF President:	Jason Sugibayashi, P.E. <i>email: jsugibayashi@ascehawaiiymf.org</i>	237-3218

APRIL DINNER MEETING

Program: University of Hawaii ASCE Student Chapter

The ASCE Student Chapter will summarize its accomplishments for 2013-2014 including highlights from this year's ASCE Pacific Southwest Regional Conference. The ASCE Hawaii Section Outreach Committee will also provide a summary of current outreach activities and the Hawaii Section will also honor our Younger Member Forum Employer Recognition Award recipients.

Date: April 16th, 2014

Location: Dave and Busters, Ward Center, Pa'ina Room

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 Lara Karamatsu, ASCE Hawaii Section Treasurer, Parsons Brinckerhoff, Pauahi Tower, 1003 Bishop Street, Suite 1000, Honolulu, Hawaii 96813. Please send reservations for the dinner meeting to Lara Karamatsu by Monday, April 7th, 2014, by phone at 808-694-3213 or email at karamatsu@pbworld.com. No shows will be billed. For sponsorship opportunities, please contact Ben Rasa at (808)497-6209 or ben@tapestrypartners.net.

GEO-INSTITUTE HAWAII SECTION CHAPTER DINNER MEETING

Program: Cross USA Geo-Institute Lecture: The New Normal for Natural Disasters & Lessons Learned for Ground Movements and Soil Stabilization from the Boston Central Artery

Speakers: Thomas O'Rourke and Thomas R. Briggs, Professor of Engineering, Cornell University

Date: April 3rd, 2014

Location: Dave and Busters, Ward Center, Pa'ina Room

Time: 4:30 p.m. - Registration
5:00 p.m. - Lecture I
6:00 p.m. - Dinner
6:45 p.m. - Lecture II

Menu: Multi-entree buffet

Cost: \$35.00 for ASCE/Geo-Institute Hawaii Section members
\$40.00 for Non-ASCE/Geo-Institute Hawaii Section members and Guests
\$20.00 for UH Manoa Student Chapter members

Please make checks payable to "ASCE Hawaii Section" and mail to Tim Lin, ASCE Hawaii Section Geo-Institute Chair, Geolabs, Inc., 2006 Kalihi Street, Honolulu, Hawaii 96819. Please send reservations for the dinner meeting to Tim Lin by Friday, March 28th, 2014, by phone at 808-841-5064 Ext. 122 or email at tim@geolabs.net.

EXECUTIVE COMMITTEE MEETING

Last held: March 11th, 2014

Next meeting: April 8th, 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. If you have any questions, please contact Ian Arakaki at 596-17790, or ian@tlcghawaii.com.

ASCE JOB LISTINGS

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

- Civil Engineer VI - City and County of Honolulu
- Traffic Engineer I - 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
- Senior Geotechnical Engineer/Manager - Parsons Brinckerhoff
- Senior Civil Engineer - Oceanit Laboratories, Inc.
- Civil Engineer - Coffman Engineers
- Staff Engineer - Oahu Transit Services
- Civil Engineer (Jr. Civil Engineer) - Belt Collins
- Civil Engineer - Group 70

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>.



2013-2014 YMF Officers

President Jason Sugibayashi, P.E. 537-9971

jsugibayashi@ascehawaiiymf.org
Vice-President Puna Kaneakua, P.E.

pkaneakua@ascehawaiiymf.org

Secretary Amanda Tanaka, P.E.

atanaka@ascehawaiiymf.org

Treasurer Norman Leong, P.E.

nleong@ascehawaiiymf.org

Past President Kurt Nagamine, P.E.

knagamine@ascehawaiiymf.org

Student Chapter President Michelle Chinen,

asce@hawaii.edu

YMF General Meeting

The next YMF general meeting is scheduled for Wednesday, April 2, 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.

Golf Outing

By Daniel Shin, Golf Chair

On Saturday, February 9, 2014, YMF held a golf outing at the Pearl Country Club, one of Oahu's finest golf courses. Four YMF members and friends enjoyed a relaxing round of golf overlooking Pearl Harbor, the USS Arizona Memorial, the USS Missouri, and the Waianae Mountain Range to the west. All golfers had a great time, networked, and got to know each other better by the end of the round. Thank you to all who participated in this event.

Makapuu Lighthouse Trail Hike

By Austin Wong & Emily Dong, Social Chairs

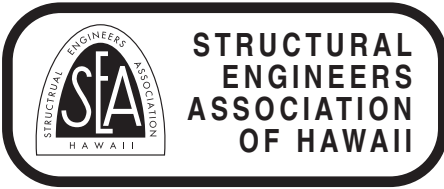
On Saturday, January 25, 2014, the YMF Hawaii hosted the Third Annual Hike at Makapuu Lighthouse Trail. There were 15 attendees comprising of YMF members, friends, and family. The hike started at 8:00 a.m. and the YMF provided water, fruit snacks, and delicious potato skins were provided after the hike was complete.

The Makapuu Lighthouse Trail is a mile long asphalt concrete paved path with panoramic views of the south eastern neighbor islands of Molokai and Lanai. At the summit, crystal clear views were seen of Kailua and Waimanalo on the eastern shore and Sandy Beach Park on the south shore. Attendees were treated to humpback whales seen splashing and spouting as volunteer whale counters made note of the sightings.

After the hike was concluded, a couple of ambitious attendees decided to hike the Koko Head Crater Trail. Thanks for all who came out!



After a long, arduous hike to the summit, everyone happily made it to the top; we even saw some whales!



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

2014 BOD OFFICERS AND DIRECTORS

Position	Officer	Phone
President	Ethan Okuna <i>eokuna@cshengineers.com</i>	945-0198 x103
Vice Pres.	Fernando Frontera <i>f Frontera@baseengr.com</i>	781-2802
Secretary	Evan Mizue <i>emizue@gmail.com</i>	387-2346
Treasurer	Jimmy Lam <i>Jimmy.Q.Lam@usace.army.mil</i>	223-3638
Dir. (Yr 2)	Paul Kane III <i>alohamarketing@hawaii.rr.com</i>	537-2811
Dir. (Yr 2)	Tim Waite <i>twaitestrongtie.com</i>	479-1216
Dir. (Yr 1)	Rodney Haraga <i>rharaga.mih@gmail.com</i>	782-8661
Dir. (Yr 1)	Michael Kasamoto <i>MKSE@hawaiiintel.net</i>	589-1170
Past Pres.	Brian Kung <i>brian@mkellc.com</i>	488-7579

HIGHLIGHTS OF BOD MEETING
 March 5, 2014

Committee Reports

General Membership Meetings/Technical Seminars/Events

- SEA OH Annual Convention 2014: Tentatively set for August 22-23 at Aulani. Features a half-day technical session on Friday, Friday night dinner, and a Saturday golf event. Announcement to be issued soon.
- April 22: FRP Design Seminar by Scott Arnold (FYFE). Pagoda Hotel, 8:00am-12:00pm. More info to come soon.
- June 26: PT Design Seminar by the Post Tensioning Institute. Pagoda Hotel, 8:00am-5:00pm. More info to come soon.

SEA OH Special Inspection Subcommittee

Board formed an SEA OH Special Inspection Subcommittee, chaired by Ms. Kulia Boerstler. Board intends for the Subcommittee to aid State building departments in instituting IBC special inspection requirements. Initial goal will be to update the special inspection form, whereby qualified special inspectors must be designated prior to issuance of a building permit. Members interested in helping on this subcommittee should contact Ms. Kulia Boerstler (808) 534-1300, or any member of the Board.

Concrete Testing Technician Issues

Board heard from a member concerned about the current state of concrete field testing. At issue are the improper sampling techniques used by some concrete testing technicians, particularly when they are not under the watchful eye of a Special Inspector. In the concerned member's opinion, there has been a recent uptick in test cylinders that are not meeting required breaks – due specifically to unacceptable field testing operations. If you have any comments or suggestions regarding this issue, please contact any member of the Board.

New Lifetime Member

Michael Kasamoto has been awarded SEA OH lifetime membership. Mike has made major contributions to structural engineering - earning respect throughout the construction industry, while positively mentoring young architects and engineers. Mike's contributions to SEA OH are many, including serving as secretary, treasurer, and director over the span of

his ongoing structural engineering career. Thanks Mike!

New Member

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

- Philip Boultinghouse, of Coffman Engineers, for the grade of Member.
- Mark Hirchi, of Baldrige and Associates, for the grade of Member.
- Jillian Sumitomo, of MKE Associates, for the grade of Allied Member.

Missing Members

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

Next Meeting

The next SEA OH Board of Directors and Officers meeting will be held on Wednesday, April 2, 2014. Contact SEA OH President Ethan Okuna (945-0198 x103, *eokuna@cshengineers.com*) for more information.



2014 Officers

President	Ken Kawahara <i>kck@akinaka.com</i>	836-1900
Vice-Pres	Tyler Sugihara <i>tsugihara@honolulu.gov</i>	768-3600
Treasurer	Victor Valdez <i>vvaldez@ssfm.com</i>	356-1281
Secretary	Mark Yonamine <i>myonamine@honolulu.gov</i>	768-8481
Past Pres	Jeffrey Cudiamat <i>engineer@structuralhawaii.com</i>	488-5000

The annual Education Fund Golf Tournament will be held Friday, April 11, 2014, at the Ala Wai Golf Course. Those interested may contact Rouen Liu at 543-7245. Proceeds will sustain the Chapter's education fund which provides annual monetary awards at the Hawaii State Science and Engineering Fair and annual partial scholarships towards higher education tuition to eligible students who major in a public works-related field.

National Public Works Week is traditionally sponsored and observed during the third full week in May. During May 18-24, Hawaii Chapter will maintain an exhibit of various recent public works projects to energize and educate the public on the importance of the contribution of public works to their daily lives.



Hawaii Section 2013-2014 OFFICERS

www.acehawaii.org

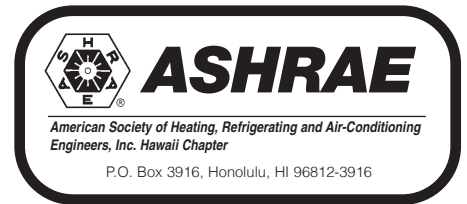
President	Kristy Kastner, PSP
Vice President	TBD
Secretary	Kevin Mitchell
Treasurer	Guia Lasquete
Director	Amarjit Singh
Director	Maelyn Uyehara
Dir. Of Membership	James Mulhearn, PMP
Past President	Stephen Jacobson, CCP

The ACE Hawaii Section participated in National Engineering Week with the Hawaii Council of Engineering Societies (HCES). The local section displayed an ACE banner and Cost Engineering journals at the Pearlridge Shopping Center on February 15-17. This event supports National Engineering Week 2014 awareness, outreach and education to attendees of all ages.

A Section Meeting was held on March 6, 2014. It featured "The Road Ahead, Mapping Construction Industry Trends for 2014 and Beyond" presented by Mr. Paul Brussow of Rider Levett Bucknall.

Our Spring Meeting was well attended by over 45% of the local membership and eight guests. Upcoming events include an ACE Certification Information Webinar and local elections for the 2014-15 ACE Hawaii Section Board of Directors.

For more information, please visit our website www.acehawaii.org.



2013-2014 HAWAII CHAPTER OFFICERS, BOARD OF GOVERNORS AND COMMITTEE CHAIRPERSONS

Chapter Officers
 President: Barry Jim On, P.E., LEED AP, CxA
 President-Elect: William "Bill" Lee, P.E., LEED AP
 Vice President: Donna Kishi
 Secretary: Dean Borges, P.E., LEED AP, CxA
 Treasurer: Kevin Luoma, P.E.

Chapter Board of Governors

Kevin Saito, P.E., LEED AP
 Richard Beall, P.E.
 Dean Oakley
 Ryan Chang, P.E.
 Scott La Beau



HAWAII CHAPTER OFFICERS

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

Fire Protection Engineers
SAVE THE DATE!
April 22-25, 2014
2014 AFAA Code Conference
and Annual Meeting
Hilton Waikoloa Village
Register www.afa.org/2014



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

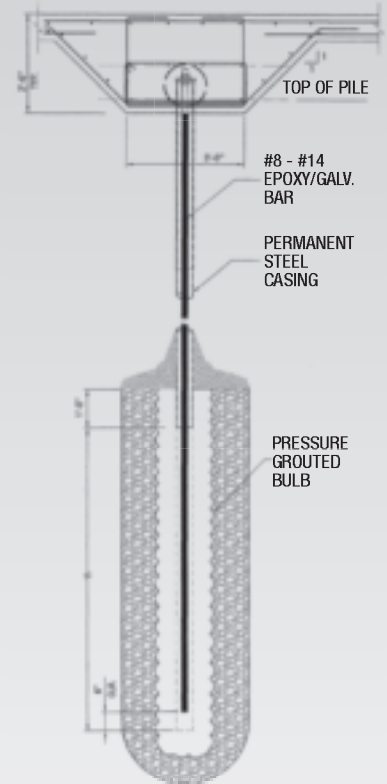


Underpinning System



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.



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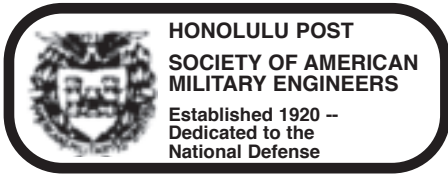
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2014 SAME Honolulu Pacific Industry Forum and Scholarship Program Golf Tournament – May 6-7, 2014

The Society of American Military Engineers (SAME) Honolulu Post will hold its annual Pacific Industry Forum and Scholarship Program Golf Tournament on May 6 and 7, 2014. Once again, the events will be open to all SAME sustaining and individual members as well as non-members.

The two-day event kicks off on May 6, 2014 with the Scholarship Program Golf Tournament at the premier Kaneohe Klipper Golf Course at Marine Corps Base Hawaii. The events continue the following day, May 7, 2014 with the Pacific Industry Forum held at the Ala Moana Hotel.

The forum and golf tournament proceeds will support SAME Honolulu Post's scholarship program, construction camps, and youth outreach programs for Hawaii students pursuing their education in engineering or architecture.

The Pacific Industry Forum will bring SAME sustaining and individual members, non-members, and senior leaders from the Federal, State and County Governments for program briefings, a breakfast networking "Power Hour", luncheon, and small business networking opportunities. Program briefings will be provided by the following government agencies and companies:

- Federal – USACE (Army), USAF (Air Force), NAVFAC (Navy)
- State of Hawaii and City & County of Honolulu – agencies TBA
- Small Business Workshop on Mentor-Protégé Programs and Joint Ventures – speakers TBA
- Sustaining Member Company Presentations – The first four (4) sustaining members who sign up for Platinum Sponsorship

The 2014 Scholarship Program Golf Tournament offers excellent networking opportunities while providing friendly competition among firms and DoD/military members. SAME Honolulu welcomes all golf-related logo item donations such as tees, balls, ball markers, etc. Cash donations are also greatly appreciated. Cash donations will help to offset golf tournament expenses and door prize costs.

Registration deadline for the Sponsorship, Pacific Industry Forum, and Scholarship Program Golf Tournament is Wednesday, April 30, 2014. For more information, please visit www.samehonolulu.org.



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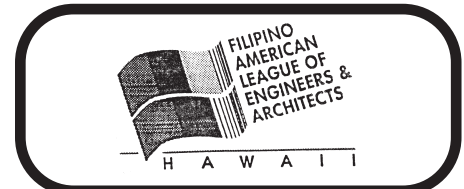
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Next Section Meeting

Our next meeting will be held on Wednesday, April 30, 2014, 11:45am at the Fasi Municipal Building 9th floor conference room. Brian Lock and Eric Matsumoto will be giving a presentation about the Lahaina Bypass project. If you would like more information or to attend, please email us at: ite.hawaii.section@gmail.com.

Section Meeting Summary

On Wednesday, February 26, 2014, the featured speaker was Randolph Sykes from the Oahu Metropolitan Planning Organization. Sykes presented a PowerPoint presentation of the "Final Alternative Scenarios Summary Report, Oahu Regional Transportation Plan 2035 Project," prepared by Parsons Brinckerhoff. He explained that the Consultants forecasting model results found increasing interstate H-1 by four lanes in each direction would bring it up to Level of Service D. However, the study also indicated that the more capacity that's provided the more people are going to want to use it, and we'll have to continue to build out. A Managed Lane scenario was looked at, in which High-Occupancy Toll lanes on the H-1 would be free for vehicles with three or more persons while vehicles with less persons would be charged a fee. The presentation also included Cordon Pricing Scenario, charging a fee for vehicles entering the downtown Honolulu area, bounded by River Street, Nimitz Highway/Ala Moana Boulevard, South/Alapai Streets, and Vineyard Boulevard. The full report can be found on the www.oahumpo.org website.



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MARCH BOARD MEETING:

FALEA GOLF TOURNAMENT – Angie suggested some possible dates for our Annual Scholarship Fundraiser, and the Board opted for Friday, July 18th. This will be confirmed after further discussion with the Ewa Beach Golf Course contact.

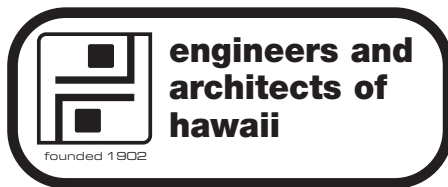
IRS FILING – Nick, our Auditor, reported that the Internal Revenue Service has accepted his recent e-Filing of Form 990-N for both FALEA & the FALEA FOUNDATION.

FALEA T-SHIRTS – Krizelle & Team are working on the final design of our T-Shirts. Several suggestions made by Board Members will possibly be incorporated into the design.

TRAVEL MUG – Riza & Lei are also finalizing the "travel mug" design to be given as a token of appreciation for this year's volunteer FE Instructors. Printable area on the mug is 3"x8.25" and there is no set-up fee. Cost: \$11.25 with a minimum order of 11 or 12.

FE REVIEW – The Fundamentals of Engineering Review sessions are going as scheduled. However, we need more volunteer assistants as "backups" in case some of the scheduled individuals can't make it on that day.

SOUVENIR BOOK AD – The Board approved the FALEA 1-page ad in the souvenir program of the Iriguenos' "Magbinaydan 2014" this year. Cost: \$100.00. This is a gathering once every 3 years of people worldwide, who originally came from Iriga City, Bicol Province in the Philippines, and hosted this year by the Iriguenos from, or living in, Hawaii.



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EAH's new meeting location is at the Mango Grill in the Topa Tower (Ewa tower on Fort Street) in the Topa Financial Center (Old AMFAC Bldg). 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!!

Submetering, from page 1

Submetering goes beyond allocating the cost of electricity. It's a motivator to conserve energy. Depending on the property and occupant's willingness to change their behavior, electricity reduction can range from 10 to 25 percent.

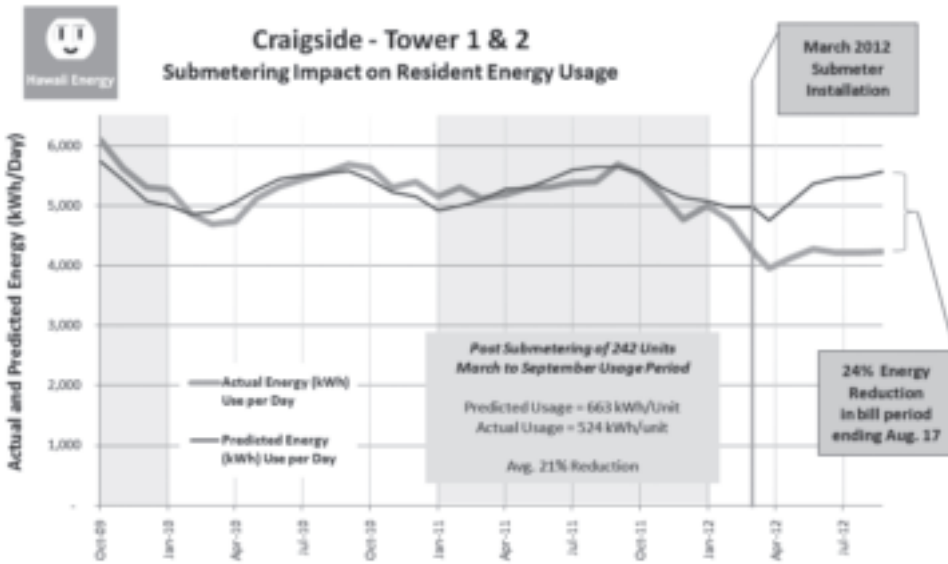
In turn, these energy-saving efforts help the state with the Hawaii Clean Energy Initiative to reach its 70% clean energy goal by 20301.

Condominiums, strip malls and office build-

ings with multiple tenants, that are electric utility customers on Hawaii Island, Lanai, Maui, Molokai or Oahu, are eligible for the submetering incentive. Applications can be submitted until June 30, 2014, or until funding lasts.

For additional information or to download a Submetering Incentive Application & Worksheet, please visit www.hawaiienergy.com/submetering. Or contact Lisa Harmon, Business Program Specialist at Hawaii Energy, at (808) 839-8865 or lisa.m.harmon@leidos.com.

Success Story: Craigside Condos, AOA



Just months after installation, Craigside in Nuuanu achieved significant energy reduction. In March 2012, submetering was installed for 242 units. From March to September, actual usage was down from its predicted usage by about 20 percent. This is approximately 1,000 kWh reduction per day, which is equal to about \$9,120 in electricity costs savings per month, based on 30 cents per kWh and adjusted for weather-related changes.

Hawaii Energy Offers \$150 Incentives Per Unit for Submeters

¹Hawaii Clean Energy Initiative (<http://www.hawaiicleanenergyinitiative.org>)



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

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MATHCOUNTS, from page 1

Coach Jesse Doan competed in last year's competition and took first place as an eighth grader.

On the competition day, the Washington Middle School team and MATHCOUNTS shared the front page of the Honolulu Star-Advertiser. The writer, Susan Essoyan, attended the entire March 8 competition watching the Mathletes go through the grueling rounds and interviewing coaches, Mathletes, and MATHCOUNTS Steering Committee. A comment overheard was that there is too much athletic event coverage and too little academics event coverage.

Awards presenters included Earl Kim, Head of School, Kamehameha Schools Kapalama; Lynne Unemori, Vice President of Corporate Communications, Hawaiian Electric Company, Inc.; Dewey Gottlieb, Education Specialist for Mathematics, State of Hawaii Department of Education; and Brian Bowers, President of Bowers + Kubota Consulting and representing HSPE. The organizations they represent have a major role in perpetuating MATHCOUNTS in Hawaii.

MATHCOUNTS is locally sponsored and organized by HSPE with help from Hawaii's teachers. Hawaiian Electric Company, Inc. provides financial support and volunteers. The competition day scoring and proctoring volunteers were from Hawaiian Electric and the U.S. Army Corps of Engineers.



Hawaii Team, L-R: Kent Kiyama, Jason Cho, David Shiraki, Neopold Ko, and Coach Sung Park.

Professional Directory

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