

### ASCE HAWAII SECTION

## 2015 Outstanding Civil Engineering Achievement Award Winners

The American Society of Civil Engineers (ASCE) Hawaii Section is pleased to announce the 2015 Outstanding Civil Engineering Achievement (OCEA) Award winners. The purpose of this award program is to recognize projects that demonstrate important outstanding civil engineering accomplishments by Hawaii's design and construction professionals. To be eligible, projects were required to have been designed or constructed in Hawaii and completed within the last two years. Some of the key judging criteria included: Resourcefulness in identifying and solving design challenges; Contributions to the well-being of people and communities; Pioneering use of materials and construction methods; Inventive or new application of civil engineering technologies; Protection of and reducing impacts to natural resources; Beneficial effects of the project, including aesthetic value.

The following projects and project teams were honored and presented with awards at the ASCE Hawaii Section OCEA Awards Banquet, held at Treetops Restaurant on Saturday, September 26th, 2015. Congratulations to our winners!

**2015 Hawaii Section Outstanding Civil Engineering Achievement Award and Best Medium Project** (Project to be nominated by the ASCE Hawaii Section for the 2015 ASCE Region 8 OCEA award).

**Project Name:** Stream Bank Bluff Stabilization and Protection of the Riverside Apartments

**Project Owner:** UHC 00382 Hilo, L.P.

**Submitted By:** Yogi Kwong Engineers, LLC

Riverside Apartments is a 3- and 4-story 74 unit affordable housing apartment complex that was constructed in 1973 on a tall and steep river bank fronting the Wailuku River in Hilo, Hawaii. Riverside Apartments provides critically needed affordable housing to the Hilo community through the assistance of and rental subsidies provided by the United States Department of Housing and Urban Development (HUD). However, in 2010 during a routine HUD compliance visit, the HUD inspector recognized portions of the Riverside Apartments were dangerously close (within 10 feet) to an inherently unstable steep section of the river bank that towers nearly 50 feet above the river that threatened to topple the building into the river.

At risk of losing the critical HUD project-based rental subsidies necessary for the operations of affordable housing, BIHF Community Based Non-Profit Corporation (BIHF), the former owner of Riverside Apartments, contracted Yogi Kwong Engineers, LLC (YKE) to conduct a



geotechnical slope stability investigation. YKE performed a multi-faceted geotechnical investigation utilizing conventional exploratory drilling; geologic mapping; and state-of-the-art geophysical surveying which confirmed the unstable condition of the river bank and verified the likely potential for a slope failure which would undermine the apartment building's shallow foundations and put many of the 300+ residents in harm's way.

YKE was subsequently contracted to develop construction bid documents and the necessary permits to stabilize the slope and protect the building. At the onset of the design process, YKE was faced with the challenge of assisting BIHF and UHC 00382 Hilo, L.P. (UHC), the new Riverside Apartment owner, in addressing the concerns of the various financial institutions involved in financing such a unique and high risk project. The design also faced a technical challenge to develop a design which would protect the building and stabilize the steep and tall river bank with limited access at the top of the bank and even less access at the base of the slope which directly borders the environmentally sensitive Wailuku River. Moreover, access to the riverbank via the Wailuku River was prohibited unless an Army Corps Clean Water Act Section 404 permit was obtained, a lengthy process which would have taken two years or more causing the Riverside Apartments to lose its HUD rental subsidies and also become disqualified for the highly sought after federal tax credits which were critical to the project's financing and economic viability.

YKE developed an innovative design con-

cept that avoided a CWA Section 404 permit and included integrated slope stabilizing soil nails and rock anchors; reinforced shotcrete slope protection; and micropile underpinning of select building footings to provide protection of the building's foundation under more extreme seismic events. A cost saving approach was developed by utilizing the detailed field data gathered during the investigation phase which identified layers of bedrock rising up into the slope face towards the upstream and downstream ends of the project area. The soil nails which are typically installed perpendicular to the slope, were instead angled towards the peripheral underlying bedrock on both sides of the deep, soft, and unstable volcanic ash which supported the building. This allowed mobilization of higher stabilizing forces for the design of shorter cost-effective soil nails which are constructible using light weight equipment.

The numerous required permit applications were prepared and the bidding documents were released to prospective bidders only 7 months after YKE was contracted to commence with permit applications and design. YKE supported UHC in selecting the lowest price qualified bidder and obtained approval for the required permits including County Building Permits, Special Management Area Permit, Stream Channel Alteration Permit, Department of Army Jurisdiction Determination, and an Environmental Assessment to allow the contractor to mobilize and commence construction without delay.

*continued on page 7*



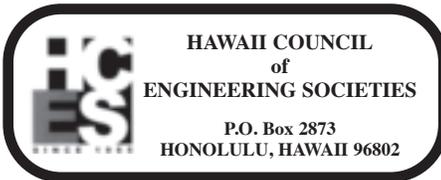
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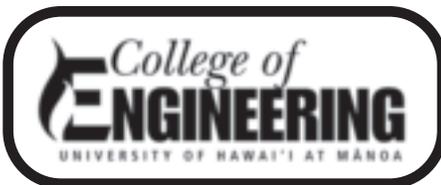
Additions and/or corrections to the Wiliki mailing list should indicate the proper society, institution or association. Corrections to email addresses should be submitted to your society coordinator.



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

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2540 Dole Street, Holmes Hall  
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**CMAA Hawaii Chapter**

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Directors:	

**CMAA HAWAII wins 3rd Consecutive  
National Chapter of the Year Honors!**

**CMAA Hawaii Chapter News:**

CMAA Hawaii scored a 3-peat National Chapter of the Year award at this year's National Conference held in Orlando Florida. Accepting the award on our behalf was Derek Mukai- Our 2015 Chapter President. Mahalo to all of you who have supported our Chapter throughout our brief history, whether through serving as a Board member, Committee Chair or member, a sponsor, or a participant in our events- we thank you- These honors are a reflection of all of us, our hard work and our dedication to advancing the idea that Construction Management is an integral part of the design and Construction process.



**2015 CMAA President  
Derek Mukai,  
PE,CCM, with our  
third Chapter of the  
Year Award**

**In other Chapter News**

The months of September and October are busy for our Chapter. We elected our 2016 Board (see above), awarded (2) \$1000 scholarships to deserving Hawaii Construction Management Students (both from Honolulu Community College), held the most successful Golf Tournament in our Chapter's history, and Hosted our End of the Year Paina at Dave & Buster's to celebrate our Chapter's successes this year. welcome our new Board, the Board of our HCC Student Chapter and share a bit of down time with our CMAA Ohana. In October, our Chapter hosted a site visit for HCC Students of the under construction Egg Shaped Digester (ESD) at the Sand Island Wastewater Treatment plant- this tour was led by Athan Adachi (Chief of the Division of Wastewater Treatment and Disposal), and in November we intend to hold our regular Bi Monthly Luncheon meeting as well as a third community Service event helping Hale Hilina'i rehabilitate their facility for helping Oahu's youth in need. 2016 promises to be another

great year for CMAA Hawaii as we continue to build on our past successes- Our 2016 Chapter Calendar will be out soon!

Be a part of our Ohana! 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 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

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

**CMAA Hawaii's 2015 Calendar of events**

- **November 17, 2015** - CMAA Luncheon, Hale Ikena Fort Shafter
- **December 4, 2015** CMAA End of Year Happy Hour

**SAVE THE DATE!**

It's time for **HOLMESCOMING**, Hawaii's premier "friendraiser" event. We're bringing our engineering community back to Holmes Hall at UH Manoa for a casual evening of great food, drinks, and entertainment. It's a terrific stress-free opportunity to catch up with old friends and make new ones.

**8th Annual Holmescoming**

Friday, November 20, 2015  
5pm to 8:30pm  
Holmes Hall, UH Manoa Campus  
Sponsorships: \$1,500 (\$739 tax deductible. Comes with 10 tickets)  
Individual Tickets: \$130 each (\$55 tax deductible)  
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

**THE NEW INTERNATIONAL  
ENERGY CONSERVATION CODE  
FOR HAWAII BUILDINGS**

The Hawaii State Energy Office offers a Free Building Energy Code Workshop

Learn about the new International Energy Conservation Code (2015 IECC) and how it impacts Hawaii's residential, commercial and government buildings.

Course intended for architects, engineers, community planners, government agencies, and energy equipment vendors.

**Mondays, November 2 and/or 9, 2015**

8:30 -11:30 am for government officials  
1:00 -4:00 pm for private sector  
Location to be announced  
To register contact Howard Wiig, 587-3811, or [hwiig@dbedt.hawaii.gov](mailto:hwiig@dbedt.hawaii.gov)



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

#### HSPE Officers, 2015 to 2016

President: Curtis Beck, PE  
*curt137inverse@yahoo.com*

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*mike@femaui.com*

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House of Delegates Rep: Majella Stevenson, PE  
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Treasurer: Kurt Kunimune, PE  
*kkunimune@bowersandkubota.com*

The NSPE Board of Directors and the members of the NSPE House of delegates are currently considering revisions to NSPE Professional Policy 168 (PP-168), "Engineering Education Requirements".

Since 2002, it has been the policy of NSPE via PP-168 to support additional education requirements, beyond a four year ABET/EAC degree, in order for an engineer to qualify for PE licensure. Such additional requirements could be, for example, a master's degree in an engineering discipline.

Proposed revisions to PP-168 back away somewhat from the master's degree requirement, making it just one option among many that could include a "B.S. plus additional coursework" requirement or even appropriate job-based professional development as alternatives.

The NSPE House of Delegates (NSPE-HOD) is currently seeking NSPE Member input to the proposed revisions to PP-168. Active NSPE Members wishing to comment can do so by accessing the following page at NSPE and following the instructions to submit written comments: <http://www.nspe.org/resources/issues-and-advocacy/engineering-education-requirements-wstrikethroughs>

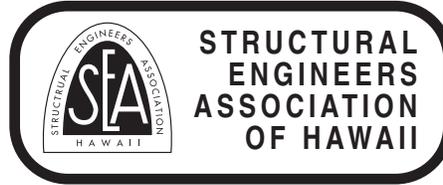
The window for submission of comments by Members will close on November 13. After that date, Hawaii's NSPE Members may still have input to the proposed revisions by working through the Hawaii Society of Professional Engineers (HSPE). Contact Curtis Beck, HSPE president, at [curt137inverse@yahoo.com](mailto:curt137inverse@yahoo.com) for more information. Following the close of Member input on PP-168, and after due consideration of member comments by the Delegates, the NSPE HOD will deliberate on the proposed revisions and vote on them during the week of December 11-16, 2015.

Similar revisions to two NSPE Policy Statements (PS) are also under consideration at this time. These are: PS-1737 Licensure and Qualifications to Practice, and PS-1739 Engineering Education, wherein it is the policy of NSPE to support the implementation of continuing professional development requirements by state licensing boards.

Hawaii's members of NSPE are urged to stay informed and involved with the continuing development of the professional policies and policy statements maintained by NSPE. Visit <http://www.hawaiispe.org/state.html> for more information.

Nominations are being sought for Engineer of the Year and Young Engineer of the Year

candidates. Nomination forms will be available on the HCES and HSPE websites. The awardees will be presented at the 2016 Engineer's Week Banquet in February, 2016. Please contact HSPE's Kurt Kunimune at [kkunimune@bowersandkubota.com](mailto:kkunimune@bowersandkubota.com) or Majella Stevenson at [MujTravel@aol.com](mailto:MujTravel@aol.com), if there are any questions or for nomination forms. Nominations will be due in December 31 of 2015. Mahalo!



PO BOX 3348, HONOLULU, HI 96801

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

#### 2015 BOD OFFICERS AND DIRECTORS

Position	Officer	Phone
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Director (Yr 1)	Gaur Johnson <i>gaur@hawaii.edu</i>	956-2377
Past President	Ethan Okuna <i>eokuna@cshengineers.com</i>	945-0198 x103

#### HIGHLIGHTS OF BOD MEETING

October 7, 2015

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

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

- November 18 – 4th Quarter General Membership Meeting, 4pm to 7pm Dave and Buster's rooftop. We'll meet to provide committee reports and enjoy pupus and camaraderie.
- December 10 – AISC Structural Steel "Fundamentals of Stability" Seminar by Ronald Ziemian, 8am to 4pm at Pagoda.

#### New Member Applications

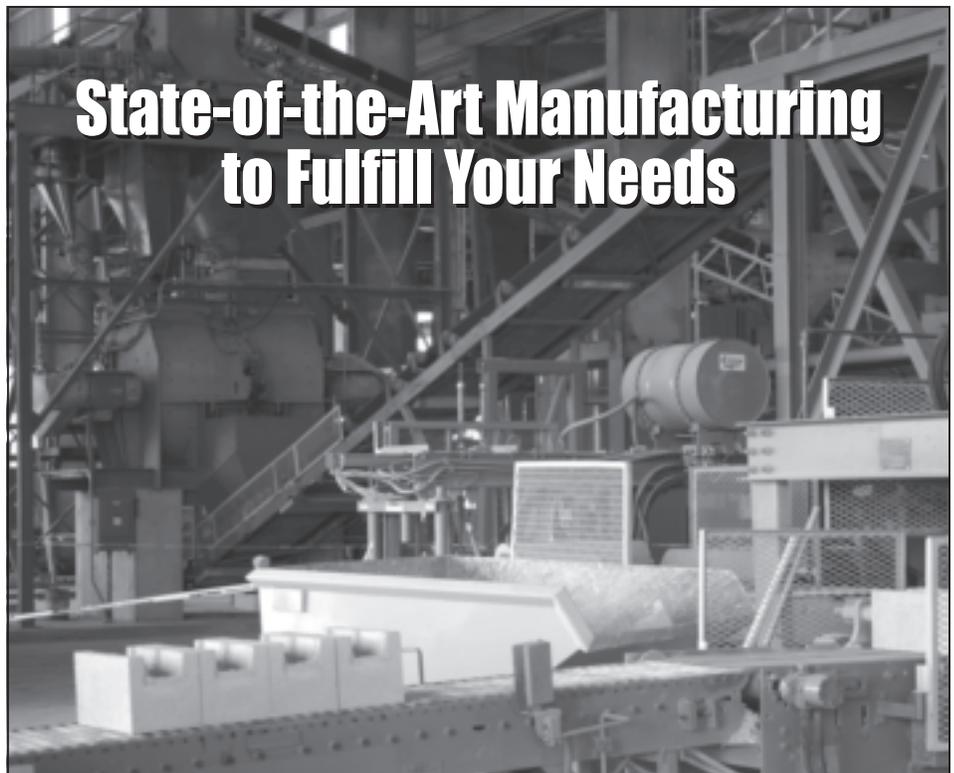
Application for the following individuals has been received and is open for comments from the membership: Amber Fulkerson at Kai as an Allied Member; Eric Mutuc at Powers Fasteners Inc as an Affiliate Member; Reid Nishimura at Englekirk Structural Engineers as a MEMBER.

#### New Member

Benji Batangan at Allison-Ide LLC has been accepted as an Allied Member. Arthur Hung at Tanimura and Associates Inc has been accepted as an Affiliate Member.

#### Next Meeting

The next SEAHO Board of Directors and Officers meeting will be on November 4, 2015. For location, contact SEAHO President Fernando Frontera (781-2802 [f Frontera@baseengr.com](mailto:f Frontera@baseengr.com)).



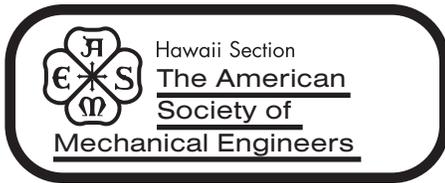
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	<a href="mailto:dsaengr@aol.com">dsaengr@aol.com</a>	
Treasurer	Kevin Dang	737-1708
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Past-Chair	Kory Ikeda	
HCES Rep:	Derick Kam	
Alternate:	Derek Sato	

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

Date: November 18, 2015.  
Time: 5:30 pm to 7:00 pm  
Place: HECO Ward Ave Cafeteria  
Conference Room

#### Agenda: TBA

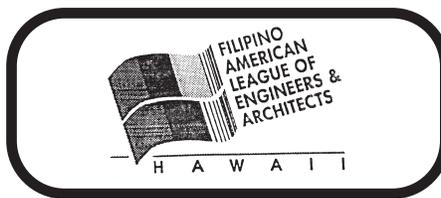
All members are invited and encouraged to attend our meetings. There are always lots of free pizza and soft drinks. Please contact Chairman Derek Sato or Ed Chang for directions and for more information, such as parking within Hawaiian Electric's Ward Avenue facilities.

#### HILITES OF SEPTEMBER 30, 2015 EXECUTIVE COMMITTEE MEETING

Meeting was held in the Hawaiian Electric cafeteria on Ward Avenue and was called to order by Chairman Derek Sato. All members are invited to our Executive Committee Meetings. The following were introduced and discussed.

- UHM ASME Student Section Report presented by Froilan Garma:
  - The Student Section has implemented student participation rules to discourage students listing ASME on their resume if they do not meet the criteria. The new rules have dropped the student membership down to 95 from 130.
  - The energetic Student Section is busy with fundraising including selling "ID Cards" and a car wash on Saturday, October 3. Presale ticket was recommended to benefit from any no-shows.
  - Information Sessions by Pearl Harbor Naval Shipyard and Makai Ocean Engineering were planned for October 2015.
  - Students volunteered to be judges at Kaimuki High School Science Fair.
  - A tour of a HECO facility was requested with HECO ASME members making the arrangements.
- Department of Mechanical Engineering (DME) Report by Dr. Zac Trimble, Advisor to Student Section:
  - Students will be participating in an outside, partially State funded project to create a wind powered device looking like a palm tree.
  - DME enrollment grew another 60% with 388 students enrolled. A reason for the increase may be due to First Robotics.
  - Lab courses are understaffed creating a shortage of student lab space.
  - Two Ph.D. tenured positions are open one in Thermal Fluids and one in Mechanics (Mechatronics).

- Graduating students: There were 70 graduating this summer. All with 3.0 GPA received a job offer.
- The new 6-year ABET period will start on November 2, 2015.
- Classes will be re-structured to split classes between structured core and lab, similar to Physics 274 and 274L. Thermodynamics and Fluids will be the first to change.
- ASME-HI inquired if the DME could establish an account to issue the monetary awards to the Francis R. Montgomery Design Competition student winners, and later be reimbursed by ASME-HI. This is a new requirement by ASME National. Dr. Trimble will investigate.
- Upcoming ASME-HI Section Activities include the Kailua High School Career Fair on November 6, 2015, and the F-22 Facilities tour planned for November 10, 2015.
- Speaker for the Evening was member Alan Lloyd, P.E., Retired HECO Executive Staff Engineer, on "Pacific Missile Range Facility – History and Current Mission of Missile Testing." Mr. Lloyd is currently the National Director Emeritus, Navy League, and the most senior member of the Honolulu Council of the Navy League. He has several other presentations including "Up-Date on Global Warning" and "Naval and Cruise Liner Ship Propulsion Systems."



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

#### 2014-16 Officers/BoDirectors

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HCES Rep:	Francisco T. Cruzata, AIA
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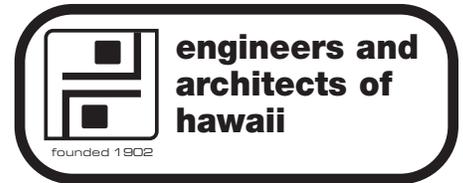
**OCTOBER BOARD MTG HIGHLIGHTS: FUND RAISER FOR 2015** – More Zippy's Chili Fundraiser tickets were distributed. FALFA President Frank Cruzata reminded everybody that he has more tickets left and that we should start selling what we have so far, and then help sell more. We have only a couple of months to go.

**FILIPINO-AMERICAN HISTORY MONTH CELEBRATION** – FALFA was invited to attend the ceremony through the Honolulu City Council in partnership with the Philippine Consulate of Honolulu, Filipino-American Historical Society of & other Hawaii-Filipino organizations in commemoration and recognition of the special event during October. The Office of Councilmember Joey Manahan which extended the invitation said that the ceremony will be held at Dr. Jose P. Rizal's bust at the Philippine Consulate rather than at his statue in downtown 's College Walk as originally planned because of possible inclement weather.

**DECEMBER CHRISTMAS PARTY** – Final

reminder: Our "grand finale" activity for 2015 is our Christmas Party on December 5! This will be at the the Dole Cannery's Pomaikai Ballroom! Frank also has more tickets for those of you that need more.

**HAVE A GREAT AND SAFE MONTH! See you at our next BOD meeting on November 6!**



**PO box 4353, Honolulu, Hawaii 96813**  
**An association for Hawaii's Engineers and Architects**

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

#### EAH 2014- 2015 Officers

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Director	Geoffrey Paterson, AIA	
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Director	Howard Wiig, PE	587-3811
Past Pres	Joseph Feind, PE	543-4781

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!!

**Deadline for  
Wiliki  
is November 15th**

#### NOMINATIONS WANTED

Nominations are requested to honor Hawaii's outstanding engineers to be recognized at the Engineers Week Banquet on February 27, 2016.

**HCES LIFETIME ACHIEVEMENT AWARD** recognizes the lifetime achievements of an outstanding retired engineer and is bestowed upon an individual who has contributed significantly to the development of engineering in the State of Hawaii. See the HCES website (<http://www.hces.us>) for details. Award nominations must be received by December 18, 2015.

**ENGINEER AND YOUNG ENGINEER OF THE YEAR.** See the HSPE article on page 3 for further details. Nominations forms must be received by December 31, 2015.

# DREAM IT. BUILD IT.

Many careers of tomorrow have yet to be invented. Jump-start your child's future in the fields of science, technology, engineering, math (STEM) and aerospace at the new **Mx Scholar Program for STEM & Aerospace**.

This first-of-its-kind program of Maryknoll School offers an advanced high school curriculum, hands-on learning, leadership development, mentors, internships and aerospace training.

Courses are specially designed for exceptional students who are passionately curious about how the world works and who dream of developing the next big invention.

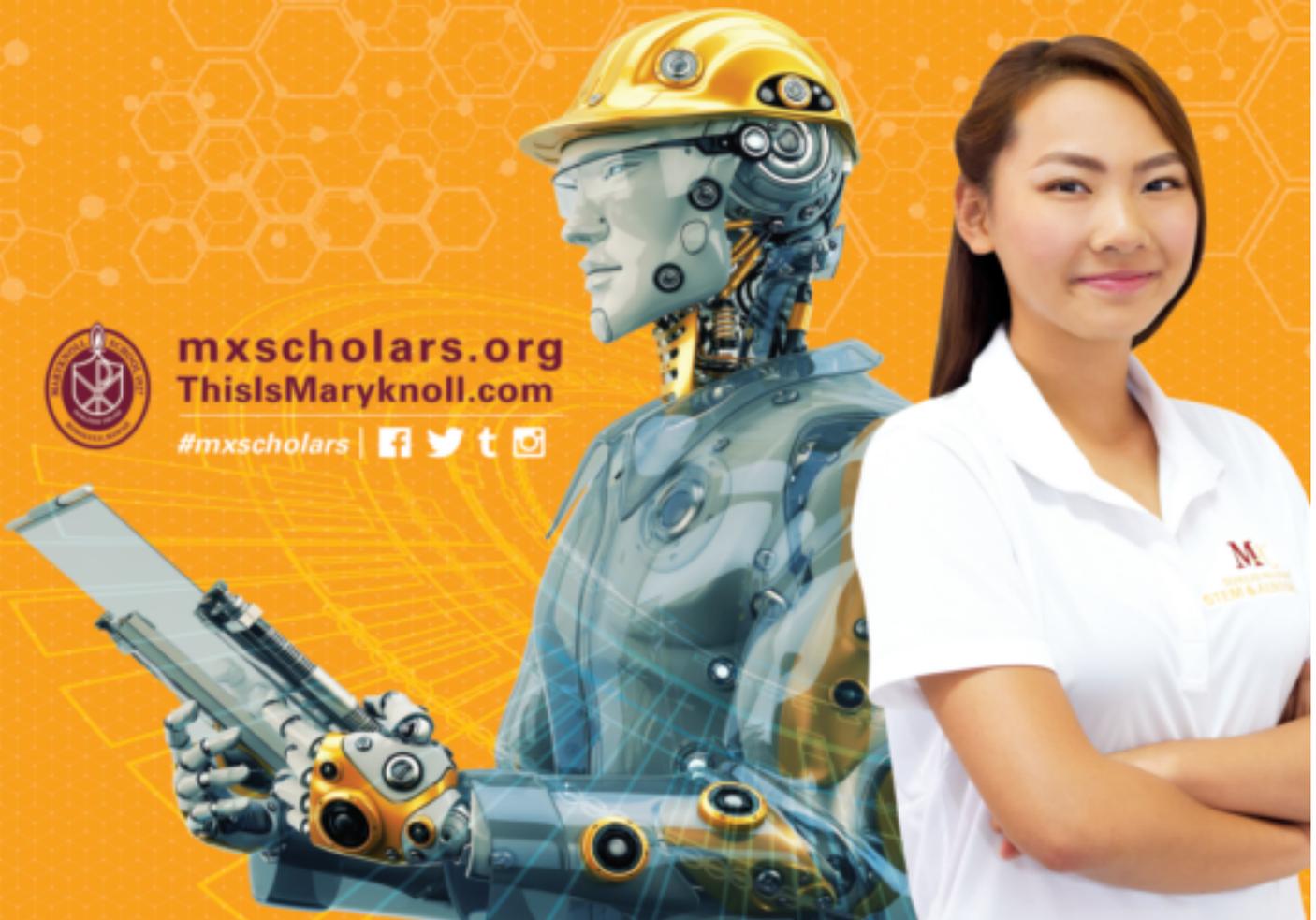
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 YMF Pres.: Amanda Tanaka, P.E.  
 email: [atanaka@ascehawaiiyfmf.org](mailto:atanaka@ascehawaiiyfmf.org)

**NOVEMBER DINNER MEETING**

**Program:** Case Study: Wick Drains and Piling for Cai Mep Container Port, Vietnam, and the true cost of 5 cent per foot.

**Speaker:** Dr. Bengt H. Fellenius

**Date:** November 19, 2015

**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: Eric Arakawa, ASCE Hawaii Section Treasurer, The Limtiaco Consulting Group, 1622 Kanananui Street, Honolulu, HI 96817, by Tuesday, November 10, 2015. Phone/email RSVP by Wednesday, November 11, 2015, (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: Oct 7, 2015

Next meeting: Nov 4, 2015

**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://www.asce-hawaii.org/webinars.html> for more 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 [gmiyasato@ascehawaii.org](mailto:gmiyasato@ascehawaii.org).

**ASCE JOB LISTINGS**

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

- Design Engineer - Bowers + Kubota Consulting, Inc.
- Facilities Construction Resident Engineer - Bowers + Kubota Consulting, Inc.
- Electrical Engineer - Bowers + Kubota Consulting, Inc.
- Facilities Maintenance Project Engineer - Bowers + Kubota Consulting, Inc.
- 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 V – City and County of Honolulu
- Structural Engineer V - City and County of Honolulu
- Electrical Engineer – Coffman Engineers
- Structural Engineer – Coffman Engineers
- 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>.

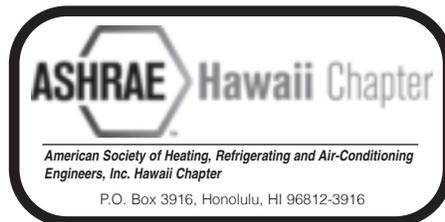


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[pkaneakua@ascehawaiiyfmf.org](mailto:pkaneakua@ascehawaiiyfmf.org)  
 Amanda Tanaka, Vice President  
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 Norman Leong, Secretary  
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 Jordan Urabe, Treasurer  
[jurabe@ascehawaiiyfmf.org](mailto:jurabe@ascehawaiiyfmf.org)  
 Jason Sugibayashi, Past President  
[jsugibayashi@ascehawaiiyfmf.org](mailto:jsugibayashi@ascehawaiiyfmf.org)

**YMF General Meeting**

The next YMF general meeting is scheduled for Wednesday, November 4, 6:00 p.m. at The Social Eatery and Bar. If you are interested in attending to find out what the YMF is all about, contact YMF at [yfm.hawaii@gmail.com](mailto:yfm.hawaii@gmail.com).



**Hawaii Section Officers 2015-2016**

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 Pres-Elect Dean Borges, PE  
 Vice Pres Kevin Luoma, PE  
 Secretary Mofazzal Mir, PE  
 Treasurer Willie Diguc  
 Bd of Governors  
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P.O. Box 88840  
 Honolulu, HI 96830  
 Website: [www.acechawaii.org](http://www.acechawaii.org)

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**LETTER FROM THE ACECH PRESIDENT**

*Written by Robin M. Lim, P.E.*

The ACECH November general membership meeting will feature Mr. Paul Brusow (Senior Vice President of Rider Levett Bucknall), who will speak on the market trend of Honolulu's construction industry. The ACECH general membership meeting will be at the Honolulu Country Club on November 5, 2015, with lunch starting at 11:45. We look forward to seeing you there, and please bring a younger staff member!

Reminder that our next webinar is scheduled for Wednesday, November 18, at 4 PM, at the SSFM Conference Room, 501 Sumner Street, Suite 620. Our first session was attended by about 20 engineers, and it helped bring together some younger staff members with veterans in the engineering industry. Let's see if we can get a wider mix of engineers at the next webinar. Come network with colleagues and expand the reach of your professional services.

Honolulu's skyline is constantly changing and that is a reflection of the professional engineering and construction industry in action. The unprecedented Kakaako building boom is bringing jobs, housing, and new vitality to Honolulu's core. Planners, architects and engineers have been dreaming of a transformed Kakaako for some time, and it is now actually happening. Our Honolulu skyline undergoes a transformation as each day passes. We are developing a walkable community of high rise units, stores, innovative businesses, parks, and spaces that support artists and residents in a way that reflects Hawaii's culture and creates a vibrant, modern city.

Through collaboration across the various engineering disciplines and professions involved in the construction industry, a ripple effect is created that affects many sectors of our economy. The combined efforts of engineers along with other construction professionals are making our island home an even better place to live. It is a great time to be an engineer!

Robin M. Lim, P.E.  
 ACECH President (FY 2015-2016)



**Achievement Award Winners, from page 1**

The unprecedented project included removal of dense vegetation and trees up to 80 feet tall which had overgrown the steep slope face, installation of 400 feet of micropile underpinning, over 4,000 linear feet of stabilizing soil nails and rock anchors, and 150 cubic yards of reinforced shotcrete. Custom fabricated light-weight "wagon-drills", powerful enough to drill through the challenging subsoils yet mobile enough to rappel and drill on the vertical slope faces, were used to install the stabilizing soil nails and rock anchors.

Construction commenced in January 2014 and was completed on time and under budget in August 2014. The timely completion of design, permitting, and construction met the tight schedule necessary to allow the Riverside Apartments to qualify for valuable sought-after federal and state tax credits awarded by the Hawaii Housing Finance & Development Corporation (HHFDC), which were essential to the project's financial viability. Furthermore, the stabilization project not only prevented the U.S. Housing and Urban Development agency from foreclosing on this much-needed affordable housing project but it also preserved their continued rental assistance subsidies. The financial support from HHFDC and HUD, which was reliant on the timely completion of the bank stabilization project, also made it possible for other much needed improvements and renovations that improved the overall aesthetics of the Riverside Apartments and greatly improved the quality of life of the residents who enjoyed completely renovated apartment units.

**2015 Best Large Project**

**Project Name:** Waikamoi Flume Replacement  
**Project Owner:** County of Maui DWS  
**Submitted By:** KAI Hawaii

**2015 Best Transportation Project**

**Project Name:** FY10 MCON P-204, Apra Harbor Wharf Improvements  
**Project Owner:** Naval Facilities Engineering Command Marianas  
**Submitted By:** Geolabs, Inc.

**2015 Best Small Project**

**Project Name:** Mana Drag Racing Strip Improvements

**Project Owner:** Department of Land and Natural Resources  
**Submitted By:** The Limtiaco Consulting Group, Inc.



**2015-2016 ITE Officers**

**President:** Juanita Wolfgramm  
*jwolfgramm@ssfm.com*  
**Vice Pres.:** Sara Okuda  
*sara.t.okuda@hawaii.gov*  
**Secretary:** Chad Kadokawa  
*ckadokawa@wilsonokamoto.com*  
**Treasurer:** Chance Morrill  
*cmorrill@wilsonokamoto.com*  
**Director:** Pete Pascua  
*ppascua@wilsonokamoto.com*

**Section Meeting**

On September 30, 2015, President Nita Wolfgramm announced that the UH Manoa ITE student chapter has been reestablished and now has newly elected officers and members. Nita then announced that the ITE Hawaii Section will participate in the DOT Adopt-A-Highway program and has committed to clean Kahekili Highway between Ahuimanu Place and Haiku Road for the next two years.

Vice President Sara Okuda then introduced Jon Young, executive director for HAPI, who presented on the Hawaii Asphalt Paving Industry. Jon opened with a brief description about the asphalt industry and described the various uses of asphalt. He later described the different methods used to repair asphalt which includes crack sealing, fog sealing, seal coating, and the use of a slurry seal.

**Upcoming Section Meetings**

The next section meeting and speaker are scheduled for November 25 – Wayne Kawano, Cement and Concrete Products Industry of Hawaii.



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

**Hawaii Chapter 2015 Officers**

President	Tyler Sugihara <i>tsugihara@honolulu.gov</i>	768-3600
Vice-Pres	Victor Valdez <i>vvaldez@ssfm.com</i>	356-1281
Treasurer	Ryan Char <i>rchar@group70int.com</i>	523-5866
Secretary	Darin Izon <i>dizon@BrwnCald.com</i>	523-8499
Past Pres	Ken Kawahara, 836-1900 <i>kck@akinaka.com</i>	

**General Membership Meeting - November**

Please join us in November at a General Membership Meeting which will feature the City and County of Honolulu's Complete Streets checklist. The checklist will be used as a tool to implement provisions of the Complete Streets Ordinance. Additional information will be available at [hawaii.apwa.net](http://hawaii.apwa.net).



SWE – Hawaiian Island Section  
 P.O. box 61728  
 Honolulu, HI 96839  
[Swe.hisection@gmail.com](mailto:Swe.hisection@gmail.com)

**Executive Committee:**

President:	Alyssa "Sunshine" Smith CH2M HILL
Vice Pres.:	Chancy Hopper ArdentMC
Secretary:	Amy Weintraub Women in Technology
Treasurer:	Kristen Yoshida Belt Collins
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<p><b>Austin Tsutsumi &amp; Associates, Inc.</b></p> <p>Civil   Traffic   Environmental   Surveying Branch Offices in Waialua, Maui and Hilo, Hawaii www.atahawaii.com</p>	 <p><b>WWW.BELT-COLLINS.COM</b></p>	 <p><b>BILLS ENGINEERING, INC.</b> Civil Environmental Engineering Tel: 808.792.2022 Fax: 808.792.2033 1124 Fort Street Mall Suite 200 Honolulu, HI 96813 info@BillsEngineering.com</p>	 <p><b>BOWERS + KUBOTA CONSULTING</b></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>
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<p><b>KennedyJenks Consultants</b> Engineers &amp; Scientists Airport Industrial Park Building 3375 Koapaka Street   Suite F-227 Honolulu   Hawaii   96819 P: 808.488.0477   F: 808.488.3776 www.KennedyJenks.com</p>	<p><b>THE LIMTACO CONSULTING GROUP</b> CIVIL-ENGINEERING AND ENVIRONMENTAL CONSULTANTS</p>  <p>680 Iwilei Road, Suite 430 • Honolulu, Hawaii 96817 Tel: (808) 596-7790 • Fax: (808) 596-7361 • tci@hawaii.com</p>	<p><b>LYON</b> IMPROVING ISLAND LIFE LYON.US.com</p>	<p>Creative People, Practical Solutions.®</p>  <p><b>moffatt &amp; nichol</b></p> <p>Marine &amp; Transportation Planners and Engineers 808.533.7000 www.moffattnichol.com</p>
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