

## RESULTS OF THE 34th ANNUAL HAWAII STATE MATHCOUNTS COMPETITION

The 34th Annual Hawaii State MATHCOUNTS Competition was held March 4, 2017 in the Kamehameha Schools Kalama Dining Hall to decide who will go to the 2017 Raytheon MATHCOUNTS National Competition on May 14-15, 2017 in Orlando, Florida. Competing were the six finalist Oahu Chapter schools including Highlands Intermediate, Iolani, Kamehameha Middle, Kapolei Middle, Punahou, and Washington Middle, plus Waiakea Intermediate the Hawaii Chapter finalist, and Iao School finalist from the Maui Chapter. That's 32 Mathletes from the teams and six high scoring individuals from the Chapters and not part of these eight teams.

After the scores of the Sprint, Target, and Team Rounds were tallied, the first place team was again Washington Middle School. Washington has dominated the MATHCOUNTS competitions since 2011, taking first place seven straight times. Last year was an all Washington team going to the national, the four Mathletes and the Coach Sung Park. The Countdown Round started with Kyung Bong Ko as the first seed, second seed was Darren Do, third seed Anna Baker, fourth seed Zi He Yan, all of Washington, followed by fifth seed Kevin Li of Waiakea, and then Pascal He of Punahou, Joshua Park of Iolani, Michael Chen of Punahou, Michael Wong of Iao, and tenth seed Destiny Shishido of Highlands. The seeding is determined by the combined scores of the Sprint and Target Rounds where the ninth and tenth seeds start the Countdown Round competition.

This time Michael Wong of Iao School of Maui created his Cinderella Story. Starting from ninth place in the Countdown Round, he fought his way all the way to second place only to be finally bumped off by the top seed and scorer Kyung Bong Ko of Washington. Wong knocked off eight consecutive Mathletes on his way to reserve his seat on the airplane as a member of the Hawaii team. This was a first for Hawaii MATHCOUNTS where a Mathlete started so low and ending up on the Hawaii team.

Following the Washington team, in second place was the Iolani team, followed by Punahou, Kamehameha, Waiakea, Iao, Highlands and Kapolei Middle School.

The awards presenters were Debbie Lindsey, Head of School, Kamehameha Schools Kapalama; Nathan Yuen, Hawaiian Electric Company; Dewey Gottlieb, Education Specialist for Mathematics, Hawaii Department of Education; and Mike Kamaka, President-Elect, Hawaii Society of Professional Engineers (HSPE) Educational Foundation. This year Hawaii MATHCOUNTS presented a Certificate

of Appreciation plaque to two companies in recognition of their generous support and service in fostering excellence in mathematics. Accepting the plaque for Covanta HPOWER was Barry Nakamoto, and accepting the plaque for Hawaiian Electric Company was Nathan Yuen.

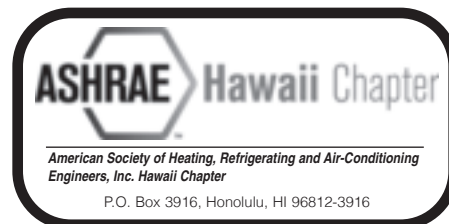
Hawaii MATHCOUNTS Steering Committee and HSPE thank all the volunteers who made this competition possible. This includes the proctors from the U.S. Army Corps of Engineers, and the scorers from Hawaiian Electric Company. The



**Hawaii Team 2017, (L-R): Kyung Bong Ko, Michael Wong, Darren Do, Anna Baker, and Coach Sung Park**

co-Master of Ceremonies was Lou Muzzarini, retired U.S. Army Corps of Engineers, and Rosella Motoki of Hawaiian Electric.

**more photos on page 7**



### 2016-2017 chapter officers and BOD

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### Sustainability for School HVAC Systems in Hawaii

By: Dean S. Borges, P.E.

In 2016 the Hawaii Legislature provided funding to improve heat abatement efforts in priority schools which included air conditioning (AC) in 1000 classrooms by December, 2016. It did not happen as planned because the electrical system requirements for AC infrastructure required substantial investment. After those improvements are built the new HVAC Systems will demand power to operate AC for those users for years to come (maximum 20 year useful life of equipment). This will have a huge impact to the future operation and maintenance

budgets and should be required to have SUSTAINABLE AC products, designs and serviceability to meet this demand.

To accomplish the least cost choices for the tax payers HIDEO administrators should use: 1. A life cycle costing method of selection of AC (not the lowest cost equipment), 2. Provide for remote monitoring AC by the Facilities Services Division (not presently allowed) to have continual reports of problems and 3. Use of non-chemical water treatment systems in large central plant cooling systems with cooling towers (See ASHRAE Standard 188 for details) to minimize pollution of the water sent down the drains. Adoption of these policies by the HIDEO (if additionally funded by Legislature for engineering, internet access, and non-chemical water treatment systems) a reduction in the impacts to our tax burdens for power purchases, increase serviceability of the AC systems, and reduced chemical spills in the local environment. Once the electrical infrastructure is in place these systems can be designed, constructed and enjoyed for years by our public school sites (by everyone not just the principals) and now is the time to set the policy and provide the funding that will make this vision a reality for 20 years or more. Otherwise, these new (and replacement) systems will be wasting energy, not be properly maintained and polluting our world in many ways. In addition to a major policy shift by HIDEO the engineers of AC systems must have direction from the State by adopting the latest Standards for higher efficiency equipment in a

**continued on page 7**



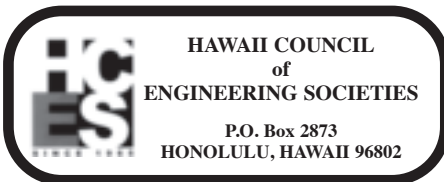
Published monthly by:

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:  
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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.

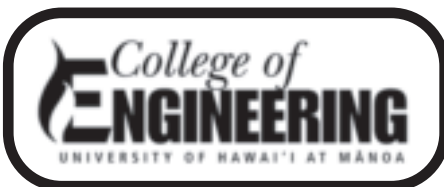


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2540 Dole Street, Holmes Hall  
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<http://hawchapter.cmaa.org>

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#### CMAA Hawaii Chapter News:

CMAA Hawaii held the first community service event of our 2017 year in association with AACE, and we had a very good turnout for the Kahana Bay Beach Park clean up. Together we collected over 250 lbs. of trash and debris for disposal. Mahalo to all who participated. Our Community Service committee is continuing to plan worthwhile events including possibly the Board of Water Supply Xeriscape garden, Hale Hilina'i (a place of hope) facility rehabilitation project, more beach cleanup projects. Our next community service event is currently scheduled for the end of April, 2017. If you would like to join this committee and help organize these worthwhile activities, please contact our community Service Chair Frank Parker at [Frank.Parker@ch2m.com](mailto:Frank.Parker@ch2m.com).

We have also opened up our 2017 Scholarship applications submission period. CMAA Hawaii will award 2 scholarships for \$1000 each to a full time undergraduate student currently enrolled at Honolulu Community College or University of Hawaii and interested in or pursuing a major/minor in Construction Management, or a dependent of an active CMAA Hawaii Chapter/Student Chapter member who has been accepted to attend a university or college and is interested in Construction Management with a cumulative GPA of 3.0 or higher. If you are interested in applying for one of these scholarships, please watch for our email blasts with more information and links to the application. Due date for submission is Friday June 30, 2017 at 4pm. Don't miss this opportunity!

We would love for you to be a part of the excitement that is CMAA Hawaii. 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>.

#### "Please join us for CMAA Hawaii Chapter's 6th Annual Mini-Conference

on May 18, 2017, at the majestic Ko'olau Ballrooms on windward Oahu. From 8:00 am to 3:00 pm, we will have presentations from various professionals in the Engineering and Construction industry, with a Happy Hour Reception to follow. Registration and sponsorship information to come shortly so SAVE THE DATE and mark your calendars!"



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

#### HSPE Officers, 2016 to 2017

**President:** Mike Silva, PE, LS, LEED AP  
[mike@femaui.com](mailto:mike@femaui.com)  
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[kkunimune@bowersandkubota.com](mailto:kkunimune@bowersandkubota.com)

#### Big Island and Kona-Kohala Chapters of HSPE Hold Engineers Week Banquet

Engineers Week 2017 was celebrated on the Big Island on February 17 with a banquet at the venerable Hilo Yacht Club along the rocky Keaukaha shoreline. A packed-house party of 52 people gathered to mingle and celebrate the fact that engineers have the best jobs on the planet. The banquet was hosted by the HSPE's Big Island Chapter but attracted a good-sized delegation from the Kona-Kohala Chapter as well. Local singer-actor Norman Arancon entertained the crowd during cocktail hour preceding the dinner. The program also included a slide presentation by Dr. Don Thomas, professor of geology at the University of Hawaii, and Director of the University's Center for the Study of Active Volcanoes. Dr. Thomas presented results of his ongoing deep drilling program that probed for fresh water resources near Hilo and in the saddle between Mauna Kea and Mauna Loa. The findings from the deep boreholes are fundamentally changing scientists' views of how water is stored under the Big Island. Findings of significant reservoirs of water at elevations as high as 4,500 feet above sea level and artesian water as low as 10,000 feet below sea level indicate that the amount of fresh water stored in subsurface formations of the island are vastly larger than previously believed.

Big Mahalo to Curtis Beck, P.E., and Mike Lum, P.E., for spear-heading the event, and also to the consulting firms of SSFM International, Wes Segawa & Associates, Engineering Partners, Bowers and Kubota, and Okahara & Associates for their support. The gathering raised approximately \$400 for the MATHCOUNTS program of math competition for intermediate school students.



#### 2016-2017 ASCE Hawaii Section Officers

President: Tim Goshi, P.E.  
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*email: brasa@ascehawaii.org*  
 YMF Pres.: Norman Leong, P.E.  
*email: nleong@ascehawaiiymf.org*

#### APRIL DINNER MEETING

**Program:** University of Hawaii at Manoa ASCE Student Chapter. The ASCE Student Chapter will summarize its accomplishments for 2016-2017 including highlights from this year's ASCE Pacific Southwest Regional Conference.

**Date:** Thursday, April 27th, 2017

**Location:** Dave and Busters, Paina Room

**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

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, April 18, 2017. Phone/email RSVP by Wednesday, April 19, 2017, (808) 943-1133 or email at [jkage@ascehawaii.org](mailto:jkage@ascehawaii.org). No shows will be billed.

#### EXECUTIVE COMMITTEE MEETING

Last held: Wednesday, March 1, 2017

Next meeting: April 5, 2017

#### HAWAII STUDENTS DREAMS BIG

On February 23rd, the ASCE Hawaii Section presented the film Dream Big: Engineering Our World at Consolidated Theaters Ward 16. A near capacity crowd of over 460 guests included 150 students from across the State (including Maui, Kauai and Hawaii Island), teachers, professors, as well working professionals from all walks of life. The film showcased the stories of engineers that have made significant impacts in their global communities. Shown in a stunning 3-D format, all of the guests were entertained and inspired for duration of the 45 minute film. ASCE Hawaii Section would like to thank Wesley R. Segawa and Associates and WSP | Parsons Brinckerhoff for their sponsorship of the event. For more information regarding the film as well as other viewings around the country, please visit [www.dreambigfilm.com](http://www.dreambigfilm.com).

#### LIFETIME MEMBERS HONORED

On February 23rd at the Dream Big Film premiere, the ASCE Hawaii Section recognized those members who have attained Life Member status as of 2017. They are as follows:

Renie Agsald, Glenn Hirano, Milton Kutaka, Lester Fukuda, Stanley Louis, Steven Y. Chang, Leighton Wai Lum, Lance Oyama, Clifford Kanda, Paul Morimoto, Lawrence Brower and Bert Hatton. In order to obtain this status, individuals in the grade of Fellow, Member, Associate Member or Affiliate must be at least 65 years old, have paid dues for at least 35 years and have had 10 years of continuous membership immediately preceding the attainment of Life Member. ASCE Hawaii Section would like to congratulate all of the recipients for their lifetime commitment to ASCE and the civil engineering profession.

#### INFRASTRUCTURE REPORT CARD

The 2017 Infrastructure Report Card has just been released on March 9th. Every 4 years, a group of civil engineers provide a comprehensive assessment of our nation's infrastructure across 16 categories. The overall infrastructure grade is a D+, unchanged since the 2013 report card. Three categories received a decline in grade, while seven saw slight improvements and six remain unchanged. Key solutions include investment, leadership & planning, and preparing for the future. ASCE estimates that the nation's infrastructure needs a total of \$2 trillion over the next 10 years, across all categories.

To read more about the grades and solutions, visit <http://www.infrastructurereportcard.org/>.

Hawaii is the only one in Region 8 that does not have a state report card. If you would like to help create one for Hawaii, please contact Tim Goshi, [tgoshi@ascehawaii.org](mailto:tgoshi@ascehawaii.org).

#### 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 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](mailto:gmiyasato@ascehawaii.org).

#### ASCE JOB LISTINGS

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

- Civil Engineer – AECOM
- 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
- Design and Construction Branch Chief - City and County of Honolulu
- Junior Engineer – GPRM Prestress
- Civil Engineer – Group 70

- Project Manager – Group 70
  - 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>.



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#### 2016-2017 YMF Officers

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 Nicole Nakaoka, Secretary  
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 Austin Wong, Treasurer  
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 Amanda Tanaka, Past President  
[atanaka@ascehawaiiymf.org](mailto:atanaka@ascehawaiiymf.org)

#### YMF General Meeting

The next YMF general meeting is scheduled for Wednesday, April 5, 2017 at 6:00 pm at Underdogs Sports Bar. 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](mailto:ymf.hawaii@gmail.com).



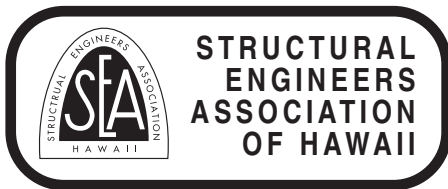
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**Deadline for  
 Wiliki  
 is April 15th**





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	<a href="mailto:jmurai@kaihawaii.com">jmurai@kaihawaii.com</a>	
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	<a href="mailto:jeffreyhanyu@allisonide.com">jeffreyhanyu@allisonide.com</a>	

#### PREVIOUS BOD MEETING

March 1, 2017

**Code Committee** is tracking two bills in the Legislature that would fund the State Building Code Council so that the amendments to the 2012 International Building Code can be administered. SEAHO has submitted letters in support of the bills.

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

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

- CalGeo Annual Convention – April 26-28, Hapuna Beach Prince Hotel, Big Island, Hawaii, details to be announced.
- SEAHO 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: Ronald Ramones for Associate Member, Justin Matoi for Associate Member, and Wen Bo Cao for Student Member.

#### Dr. Ian Robertson Named One of the Top 25 Newsmakers of 2016 by Engineering News-Record(ENR)

Congratulations to Dr. Ian Robertson, who was named one of the Top 25 Newsmakers of 2016 by ENR. Dr. Robertson is a professor at the University of Hawaii and a past SEAHO president. He was honored for his contributions to the development of the world's first tsunami-resistant design standards. These standards will make their debut in the ASCE 7-16 standard. He is one of the founding members of the ASCE Tsunami Loads and Effects Committee. Dr. Robertson has contributed to influential reports on the effects of tsunami such as the Tohoku, Japan Tsunami in 2011 and has reached out through various lectures and presentations on the topic. He was essential to the development and review of the new provisions.

**Next Meeting** on April 5, 2017. For information, contact SEAHO 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
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Join us for our next technical presentation "Riding the construction cycle – a short tour of the cost landscape." The presentation will be on Wednesday, April 12 at 11:30am. The presenter will be Julian Anderson, FAACE, FRICS, CCP of Rider Levett Bucknall. For more information, please RSVP by [aacehawaii@section@gmail.com](mailto:aacehawaii@section@gmail.com).

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).



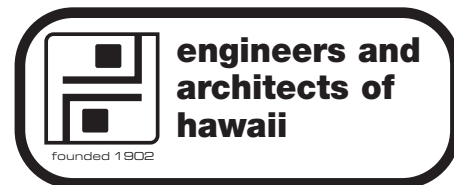
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President:	Sara Okuda
	<a href="mailto:sara.t.okuda@hawaii.gov">sara.t.okuda@hawaii.gov</a>
Vice Pres.:	Chad Kadokawa
	<a href="mailto:ckadokawa@wilsonokamoto.com">ckadokawa@wilsonokamoto.com</a>
Secretary/	Claire Fukuoka
Treasurer:	<a href="mailto:cfukuoka@atahawaii.com">cfukuoka@atahawaii.com</a>

On March 15, 2017, the ITE Hawaii Section held their March meeting at the Wilson Okamoto Corporation office. Western ITE District Past President, Cathy Leong, facilitated the meeting and introduced ITE Western District International Director, Karen Aspelin, who gave a presentation about the City of

Albuquerque's Silver Avenue Bicycle Boulevard Improvement Project. The meeting was well-attended and enjoyed by all members.

The ITE Hawaii Section also hosted their quarterly Adopt-a-Highway community service event on Saturday, March 4. The Adopt-a-Highway event helped clean-up the roadside along Kahekili Highway in Kaneohe.



PO. Box 1901, Honolulu, HI 96805-1901  
An association for Hawaii's Engineers and Architects  
WEB address: [www.eahawaii.org](http://www.eahawaii.org)

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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!!

## WILIKI ADVERTISERS NEEDED

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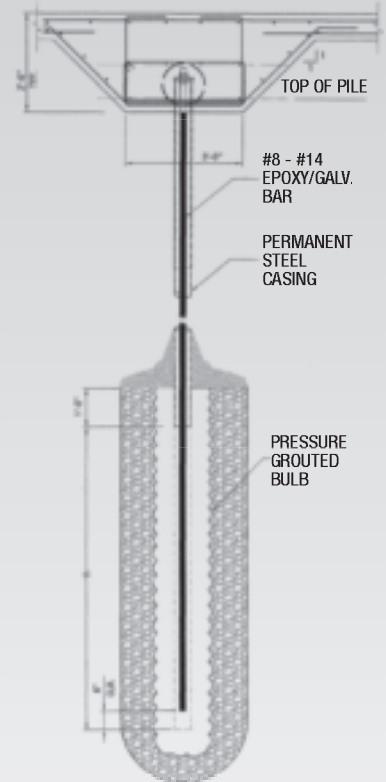


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## MICRO PILE



Typical Micropile Detail

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General Engineering

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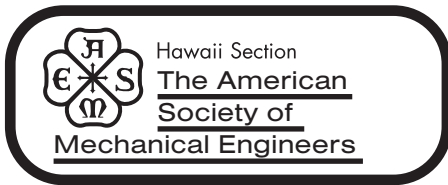
Honolulu, HI 96820

Telephone: (808) 845-2474

Fax: (808) 847-2966

Email: [structs001@hawaii.rr.com](mailto:structs001@hawaii.rr.com)

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



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

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Past-Chair	Kory Ikeda	
HCES Rep:	Derick Kam	
Alternate:	Derek Sato	

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

Date: April 12, 2017

Time: 5:30 pm to 7:00 pm

Place: HECO Ward Ave Cafeteria Conference Room

Agenda: To be announced.

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.

#### ASME-HAWAII P.E. REFRESHER COURSE

Raymond Liu reports that the refresher course is on schedule. Classes are held every Wednesday from 6 PM to 9 PM at the University of Hawaii Ag/Science building. The course will end with a mock exam on April 15 and a review and questions session on April 18, 2017. The spring 2017 PE Exam is scheduled for April 21.

#### 2017 ASME-HI BALLOT AND SURVEY

Our *SurveyMonkey.com* ballot and survey was opened on February 21, 2017, and as of March 15, we have received 23 respondents. This is not many, but is typical for the Hawaii Section. Voting deadline is April 30, 2017, and there is lots of time remaining to vote. Candidates on the ballot includes Froilan Garma for Chairman, Derick Kam for Vice-Chair, Kevin Dang for Treasurer, Jason Frifeldt for Secretary, and Raymond Liu and Ronald Flegal for the Member (formerly Director) positions. There is a new position called the Group Page Administrator with candidate Derek Sato who will also be the Immediate Past-Chair.

#### HAWAII MATHCOUNTS 2017

Except for the Hawaii Team competing in the 2017 Raytheon MATHCOUNTS National Competition on May 14-15, 2017 in Orlando, Florida, the HSPE sponsored MATHCOUNTS competitions are done until the next Oahu Chapter Competition in eleven months. This year 25 teams competed in the Oahu Chapter Competition. There are about 56 middle/intermediate schools on Oahu. More than half do not benefit from one of the engaging math programs to U.S. middle school students of all ability levels in order to build confidence and improve attitudes towards math and problem solving.

Visiting the MATHCOUNTS website, you'll read that MATHCOUNTS is said to have one of the nation's most effective STEM learning pro-

grams. Middle school students exist at a critical juncture in which their love for mathematics must be nurtured, or their fear of mathematics must be overcome. MATHCOUNTS provides students with the kinds of experiences that foster growth and transcend fear to lay a foundation for future success. Engineers may want to check whether or not their schools are participating, and if not, find out what it takes to participate in one or more of MATHCOUNTS programs.

#### 2017 FRANCIS MONTGOMERY DESIGN COMPETITION

Our next event is the Francis R. Montgomery Design Competition held in conjunction with the UHM Department of Mechanical Engineering ME 481/482 Senior Design Courses. This is a two sequence mechanical engineering design course starting with ME 481 and completion through the ME 482 course with the students demonstrating not only their engineering knowledge, but also the execution of project management skills and the ability to work closely in teams. Competition is held in early May each year. The competition results are featured in the June Wiliki.



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

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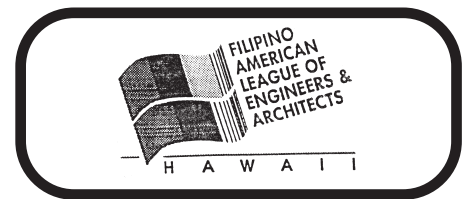
Hawaii Chapter would like to announce its officers for 2017. Ryan Char of G70 International will be joined by Darin Izon of Brown and Caldwell. Ryan and Darin will serve respectively as President and Vice President. As outgoing President, Victor Valdez of SSFM International will serve as Past President.

The 24th annual Education Fund Golf Tournament will be held Friday, April 7 at the Ala Wai Golf Course. 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. Interested golf players may contact Rouen Liu at 543-7245 or [rouen.liu@hawaiianelectric.com](mailto:rouen.liu@hawaiianelectric.com).

National Public Works Week is traditionally sponsored and observed during the third full week in May. During May 21-27, 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. This year's theme "Public Works Connects Us" celebrates the vital role public works plays in connecting us all together. As the cornerstone of civilization, public works provides, maintains, and improves the structures and services that assure a higher quality of life for our communities. Its streets, roads, bridges, and public

transportation keep us linked together from coast to coast, and its clean water and sanitation services keep us healthy and allow our communities to grow and prosper. APWA proudly salutes and thanks our public works professionals who work tirelessly every day to strengthen the bond that keeps us all connected.

Instituted as a public education campaign by APWA in 1960, the Week calls attention to the importance of public works in community life. Through the Week and other efforts, APWA seeks to raise the public's awareness of public works issues and to increase confidence in public works employees and professionals who are the often-unsung heroes of our society. Additional information may be found at [www.apwa.net](http://www.apwa.net).



P.O. Box 4135, Honolulu, Hawaii 96812

Website: <http://www.falea.org>

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	Angie L. Armas
	Maritez A. Marquez
	Belinda P. Tegui
	Joey G. Resurreccion

**BOARD MEETING** – Venue: St. Philomena ELC Conference Room & Skype! President Gene Albano, Jr. thanked Majella Stevenson for coordinating FALEA's participation & seating reservation for the annual HCES Banquet this past February 25th at the Koolau Ballrooms in Kaneohe. We had a full table. She also did the introduction of the recipients of the Young Engineer of the Year, as well as the Engineer of the Year Awards.

**NEW MEMBER** – Alvin A. Alimboyuguen, 2014 Graduate in Civil Engineering. Welcome aboard!

**SCHOLARSHIP** – Ferdi Guinto, Committee Chair reported that there will be five awardees this year. He will be sending out a letter of notification to the individuals of their being selected. The Awards will be presented during the FALEA's Induction of Officers and Directors at a venue still in process of being discussed and selected as of this writing. So, stay tuned.

**HAVE A PRODUCTIVE & SAFE MONTH, FOLKS!!**

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**ASHRAE, from page 1**

timely manner (using the ASHRAE 2004 versions presently). Not allowing internet connections to all the existing Direct Digital Control (DDC) systems in today's schools is a mockery of the intent of the adopted DOE HICHP Design Criteria by its own HICHP internet services because they suspect a violation will occur. No entity is free of being attacked by Cyber Security criminals yet HVAC internet systems are deemed "suspects" before being allowed and are rendered useless for the DOE Branch of Facilities Maintenance. When will these internal walls of defiance be broken down so the millions of kilowatts of energy being wasted daily by the schools can be limited to an efficient level of comfort level and enabling proper operations and maintenance to occur?

**Dean Borges, P.E. is a mechanical engineer with over 35 years as a Professional Engineer in Heating, AC, Ventilation and Refrigerating systems. He has been a member of ASHRAE since 1978 and is the 2016-17 President of the Hawaii Chapter of ASHRAE, and has served Region X and the Society as a Director on the Board. Also, is a HCES Past Chair during 2014-2015.**



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

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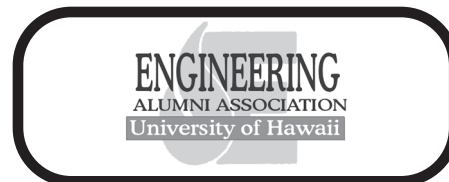
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**More Mathcounts Photos**

**Covanta HPOWER and HECO received Certificates of Appreciation. (L-R): Nathan Yuen, Dewey Gottlieb, Mike Kamaka, and Barry Nakamoto.**



**The U.S. Army Corps of Engineers proctors.**

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