

2017 ACECH Engineering Excellence Awards

The American Council of Engineering Companies of Hawai'i (ACECH) held its annual Engineering Excellence Awards Banquet, the "Academy Awards" for Hawai'i engineers, on Saturday January 28, 2017, at the Koolau Ballroom. The Grand Conceptor Award was announced in front of over 100 attendees, and the coveted award went to the H-1 PM Contraflow Project submitted by Wilson Okamoto Corporation.

H-1 PM Contraflow Project

The H-1 PM Contraflow Project was delivered by the Design-Build (D-B) team of Hawaiian Dredging Construction Company with Wilson Okamoto Corporation at a cost of \$82 million. The project's objective was to increase the H-1 Highway capacity for westbound commuters from the Radford Drive Overpass to Waiawa (H-1/H-2 merge) during afternoon peak traffic period.

The D-B team designed an alternative that considered the existing physical conditions that would not affect the operation of the AM Zipper Lane during and after construction. The D-B team also developed alternative improvements that could reduce construction and operational costs and be implemented with a shorter construction schedule and less traffic disruption. The alternative solution included a combination of improvements including restriping of lanes along H-1 Highway between Halawa Interchange and Pearl City Off-Ramp, widening of the Pearl City Viaduct, and widening of pavement areas along H-1 (westbound) from the H-1/H-2 Merge toward Waikēle. Overall, the project added a full lane of capacity for afternoon traffic from Halawa to Waikēle.

Innovative applications and materials were used for the project, including the use of a precast concrete slab system, which was self-leveling along the eastbound H-1 Highway in Aiea. This was the first application of rapid concrete pavement replacement with precast pavement panels in Hawai'i. This reduced construction time and lane closures.

While the project's intent was to improve the afternoon peak commute, the addition of a full lane also improved the morning commute. Expediency in design, construction, and utilization of a combination of innovative applications and materials helped the overall project timeline and reduced impacts to westbound commuters.

Past Grand Conceptor Winners of the last 20 years

The ACECH Engineering Excellence Awards has recognized many engineering projects in Hawai'i that demonstrate the highest degree of

merit and ingenuity in design. For more than 40 years, ACECH has sent our top winners to the ACECH national competition, one of the most prestigious design competitions in the world. ACECH member firms have represented Hawaii well in the past, garnering more than 30 awards in the national competition. This year, we recognized the most outstanding projects of the last 20 years in addition to the projects submitted for the 2017 Engineering Excellence Awards. The following ACECH **past winners** were recognized.

No. Project

1. Nimitz Highway Microtunnel Relief Sewer Project submitted by Woodward Clyde
2. Interstate Route H-3 Highway submitted by Parsons Brinckerhoff
3. Admiral Clarey Bridge (Ford Island Bridge) submitted by Parsons Brinckerhoff
4. The Aiea Heights Drive Bridge Lengthening Project submitted by Parsons Brinckerhoff
5. Nimitz Highway Reconstruction Sewer



6. Hart Street Wastewater Pump Station submitted by Wilson Okamoto Corporation & URS Corporation
7. Kunuiakea Athletic Complex at Kamehameha Schools submitted by Sato & Associates and Geolabs
8. NELHA Gateway Distribution and Renewable Energy Center submitted by Lincoln Scott
9. The Honolulu Advertiser Building submitted by Notkin Hawaii
10. Ford Island Waterline Replacement submitted by Fukunaga & Associates

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2017 OAHU CHAPTER MATHCOUNTS COMPETITION RESULTS

The 34TH MATHCOUNTS Oahu Chapter Competition was held February 4, 2017 at Kamehameha Schools Kalama Dining Hall. Taking first place was Washington Middle School. Second place was Iolani followed by 3rd place Punahou, 4th place Kamehameha, 5th place Highlands Intermediate, 6th place Kapolei Middle, 7th place Waipahu Intermediate, 8th place Kalakaua Middle, 9th place Mililani Middle, and 10th place Niu Valley Middle. Twenty-five Middle/Intermediate schools participated.

The placement of teams is determined by adding team members' individual scores plus the Team Round score. The Team Round focuses on problem-solving and collaboration. Students have 20 minutes to complete 10 math problems, assuming the use of a calculator. Only the 4 students on a school's

team can take this round officially.

Hawaii MATHCOUNTS is sponsored by the Hawaii Society of Professional Engineers (HSPE) with competition assistance from Hawaii educators and engineers.

The student mathletes are placed according to their individual scores in the Sprint and Target Rounds. The Sprint Round has individual mathletes answering 30 difficult geometry,

continued on page 7



First Place Washington team.



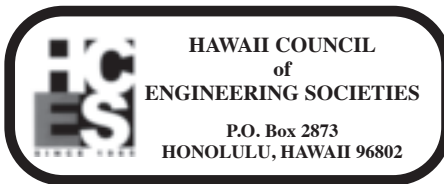
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WILIKI MAILING LIST

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: hceshawaii.org
EMAIL: hcesorg@gmail.com

2016-2017 OFFICERS

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

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Hawaiian Electric donations support science and robotics

A \$5,000 grant from Hawaiian Electric to the Hawaii State Science Olympiad (HSSO) will support the nonprofit's 2017 tournament season, and marks another "Act of Aloha" commemorating Hawaiian Electric's 125th anniversary.

Hawaiian Electric presented the grant to HSSO at the Leeward Oahu Regional Tournament, held Feb. 4 at Leeward Community College, which brought together nearly 300 students from middle and high schools on Oahu to challenge their problem-solving skills and hands-on science knowledge.

"These science tournaments provide opportunities for students to excel outside of the classroom while encouraging their interest in professional and technical careers in the STEM disciplines, which we wholeheartedly support," said Jim Kelly, Hawaiian Electric vice president - corporate relations.

During the same quarter, Hawaiian Electric also donated \$14,000 in grants to the Hawaii Science Bowl, Sacred Hearts Academy Science Symposium, and McKinley High School robotics program.

Now in its 18th year, the McKinley robotics program has received numerous awards and recognitions. Currently, two-thirds of the 35-member team are girls, and four Hawaiian Electric employees mentor the team by providing technical guidance and helping to prepare the students for competitive robotics events.

In 2016, Hawaiian Electric contributed more than \$144,000 to advance STEM learning and enrichment programs for Hawaii students and educators. The company has supported STEM programs and initiatives in Hawaii for more than 30 years and contributed more than \$1.2 million during that time.



Hawaii Section 2016-2017 OFFICERS

- www.aacehawaii.com
- | | |
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| Director of Social Media | Cristo Rojas |

"Overview of the Rate Setting Process," a technical presentation was given by Paul S. Kikuchi. This was held on Friday, February 3, 2017. Mr. Kikuchi provided our group an opportunity to understand Global Rate Setting Principles, Role of Rates, Rate Study and Cost of Service.

Join us for our next technical presentation on Wednesday, April 12 at 11:30am. The presenter will be Julian Anderson of Rider Levett Bucknall For more information, please RSVP by aacehawaii@hawaii.com.

Our local Board Meetings are held monthly. Feel free to contact us with suggestions or interest.

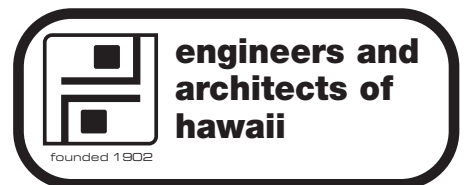
For more information, please visit our website www.aacehawaii.com.



McKinley High School robotics team with Enrique Che and Alan Ing, Hawaiian Electric mentors (center and right with check). Photo courtesy of McKinley High School robotics team.



Hawaii State Science Olympiad check presentation by Jim Kelly, Hawaiian Electric VP-corporate relations (back row) with students from Mililani Middle and High schools and Thomas Millard, HSSO Board President.



PO box 4353, Honolulu, Hawaii 96813
An association for Hawaii's Engineers and Architects
WEB address: www.eahawaii.org

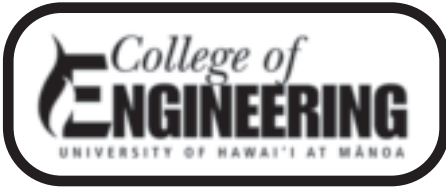
EAH 2015- 2016 Officers

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

EAH's new meeting location is Room 301 in the Topa Tower (Ewa tower on Fort Street; Old AMFAC Building). Validated parking is available (enter from Nimitz). The WEB site has been updated to provide directions and a Map. If you have questions please call Sam Gillie (543-4739).

Meetings are held every Friday (except Holidays). Meetings start at NOON and have ended PROMPTLY at 1:00 pm for 70 Years. Program schedule may be adjusted. Call Sam Gillie to confirm speaker 543-4739; Fax 203-1335.

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



2540 Dole Street, Holmes Hall
Honolulu, Hawaii 96822

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Assistant Dean Song K. Choi
CEE Chair Panos Prevedouros
EE Chair Wayne Shiroma
ME Chair Mehrdad N. Ghasemi Nejjhad
HCAC Director Magdy Iskander

17th Annual Dinner

The College of Engineering invites you to an evening with students, faculty, alumni, and friends to honor their achievements in academic and research excellence and outstanding service and leadership.

**Student Project Presentation
Microrobotics Vertically Integrated Project**

**Special Awards
Distinguished Alumnus
Rudolph Mina, Jr., PE (CE '75)**

**Outstanding Service
John Katahira, PE (CE '93, MS CE '95)**

**April 20, 2017
Hawai'i Convention Center
Kalakaua Ballroom**

**5:00 p.m. Student/Faculty Exhibits and
Cocktails**

**6:30 p.m. Dinner and Program
\$250 per person or table sponsorship:**
Platinum \$10,000
Gold \$5,000
Silver \$3,500
Bronze \$2,500

**Tables seat 10. With your permission,
we would like to seat a faculty or student
at your table.**

**R.S.V.P. by April 1, 2017, to Jean Imada,
(808) 956-5112 or jimada@hawaii.edu**

Mail checks made payable to
'UHF/COE' to College of Engineering,
2540 Dole Street, Holmes Hall 240,
Honolulu, HI 96822,
ATTN: Jean Imada.

All proceeds will be used to benefit current
and prospective College of Engineering
students.

Last year, more than \$100,000 was raised in
support of the College of Engineering.
Mahalo!

**Mahalo to
Our Engineers Week Sponsors**



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HAWAII COUNCIL OF ENGINEERING SOCIETIES
Serving Hawaii's Engineers and Land Surveyors



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email: dnemoto@ascehawaii.org

MARCH DINNER MEETING

The March Dinner Meeting is scheduled to be held on Thursday March 16th. The speaker will be Mr. Doug Lindquist with Hart Crowser who will talk about performance-based earthquake design. Please visit www.ascehawaii.org for more information.

EXECUTIVE COMMITTEE MEETING

Last held: Thursday, February 2, 2017
Next meeting: March 9, 2017

CONTINUING EDUCATION

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

ASCE HAWAII SECTION STUDENT SCHOLARSHIPS

Please help us increase our scholarship endowment so that we can recognize deserving students. We continue to accept tax-deductible donations with the goal of increasing the annual scholarships. Make your check payable to 'ASCE Hawaii Section' and mail to: ASCE Scholarship Committee, P.O. Box 917, Honolulu, HI 96808-0917. If you have any questions, please contact Glenn Miyasato at 488-7579, or gmiyasato@ascehawaii.org.

ASCE JOB LISTINGS

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

- Civil Engineer – 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>.



2016-2017 YMF Officers

- Norman Leong, President
email: nleong@ascehawaiiymf.org
- Jordan Urabe, Vice President
email: jurabe@ascehawaiiymf.org
- Nicole Nakaoka, Secretary
email: nnakaoka@ascehawaiiymf.org
- Austin Wong, Treasurer
email: awong@ascehawaiiymf.org

YMF General Meeting

The next YMF general meeting is scheduled for Wednesday, March 1, 2017 at 6:00 pm at Chez Kenzo. If you are interested in attending and learning more about the various professional, social and service opportunities available through YMF, please contact YMF at yymf.hawaii@gmail.com.

Annual Makapu'u Trail Hike and BBQ at Alan Davis

On Saturday, January 21, 2017, YMF members participated in a short morning hike up the ridge to get a beautiful view overlooking the Makapu'u Beach Park and lighthouse. Afterwards the group went down to the Alan Davis Beach for some relaxation in the sun while having "Shish Kabob" for brunch. Some members spent some time in the water while others played a game of touch football on the sand. This was the most successful social event of the year so far with seventeen members in attendance.



MATHCOUNTS Oahu Chapter Competition By Jonathan Visaya & Kimberlee Luke, Community Service Chairs

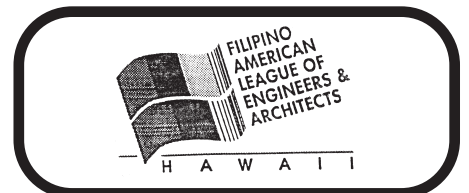
On the morning of Saturday February 4, 2017, 9 volunteers from the Hawaii Section YMF volunteered at the MATHCOUNTS competition held on the Kamehameha Middle School Campus. MATHCOUNTS is a national math enrichment, coaching and competition program that promotes middle school mathematics achievement in every U.S. state and territory, and is one of the most successful edu-

cational partnerships involving volunteers, educators, industry sponsors and students. The competition was open to 6th, 7th, and 8th graders. YMF members helped record scores for the participating middle schools. Thank you to all of the volunteers for coming out to help at this event.



ENVISION Presentation

Minimizing negative human impacts on the environment begins with the design process and carries through the construction and operational life cycle of a project. Envision™, a program of the Institute for Sustainable Infrastructure, "provides...framework for conceiving and planning sustainable infrastructure projects. Its flexible design allows it to function either independently or alongside other sustainability planning and rating systems, including USGBC LEED and various 'black box' solutions." YMF members learned about the recently gold-awarded Kunia Country Farms project and discussed the applications and benefits with The Envision Action Committee of Hawaii's, TEACHHawaii, members Jon Young and Amber Takenouchi.



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

2017-18 Officers/BoDirectors

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- VP/Pres-Elect: Ferdinand B. Guinto, PE
- Secretary: Majella D. Stevenson, PE
- Treasurer: Riza Marie R. Gatdula, EIT

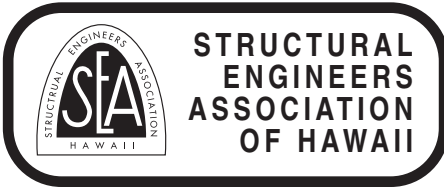
FEBRUARY/MARCH 2017 HIGHLIGHTS:

FALEA BOARD MEETING – Venue: Teleconference! It worked...we had a quorum, and good productive discussions over the air-waves. Gene reminded everyone who have reimbursement for expenses pending, to submit requests to Riza as soon as possible. Ferdi was also appointed to chair the Scholarship Committee, which is expecting more applications that have been sent to the mailbox by or before the deadline. Nick will be checking the mail as soon as he returns. The selectees should be finalized by the 28th of February.

NEW P.E. – Congratulations to **Roman M. Reyes**, one of our newer members, for passing the recent Professional Engineer's Examination!

HCES AWARDS BANQUET – Majella will reserve a table for ten. FALEA will subsidize 50% of the cost of the banquet for all officers that attend the banquet on February 25, 2017.

HAVE A GREAT AND SAFE MONTH, FOLKS!!



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

2017 BOD OFFICERS AND DIRECTORS

President	Jonathan Murai	791-3952
	jmurai@kaihawaii.com	
Vice President	Jeoffrey Cudiamat	488-5000
	jcudiamat@structuralhawaii.com	
Secretary	Andrew Pang	535-3008
	andrewp@nagamineokawa.com	
Treasurer	Reid Nishimura	521-6958
	reid.nishimura@englekirk.com	



CMAA Hawaii Chapter

<http://hawchapter.cmaa.org>

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 (EKNA Services, Inc.)

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

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

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

CMAA Hawaii Chapter News:

In February CMAA hosted another great networking happy hour at Real Gastropub in town. The event was well attended and much camaraderie was shared. We also opened up our 2017 Scholarship applications. 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 blast 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 expect 2017 to be another exciting year for CMAA Hawaii, and we would love for you to be a part of that excitement. Our chapter is here as a resource for **all** Construction Engineering and Management professionals, and the things that we do benefit not only our CM community but our larger Ohana as well.

If you have any questions regarding any of our upcoming events, would like to join our Ohana and become more involved with the CMAA Hawaii Chapter or would simply like to be added to our email list, please email us at 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>.

PREVIOUS BOD MEETING

February 1, 2017

Special Inspection Committee had a productive meeting with the Department of Planning and Permitting regarding the proposed revised special inspection form.

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 or look for email flyer for registration.

- Joint ASCE/SEAHO meeting in March 2017, details to be announced.
- SEAHO Annual Convention – August 25 and 26, Aulani Resort & Spa, details to be announced.

New Member Applications

Application for the following individual has been received and is open for comments from the membership: Jennifer Yamaguchi as Associate Member.

Installation Banquet was held on January 21, 2017 at the Honolulu Country Club. The 2016 Board was discharged and 2017 Board was installed. Special recognition was given to Wayne Kawano, retiring President of CCPI Hawaii, for his many years supporting SEAHO. He was presented with an ukulele that was handmade by SEAHO Past-President Myles Shimokawa.

Next Meeting on March 1, 2016. For information, contact SEAHO President; Jonathan Murai jmurai@kaihawaii.com

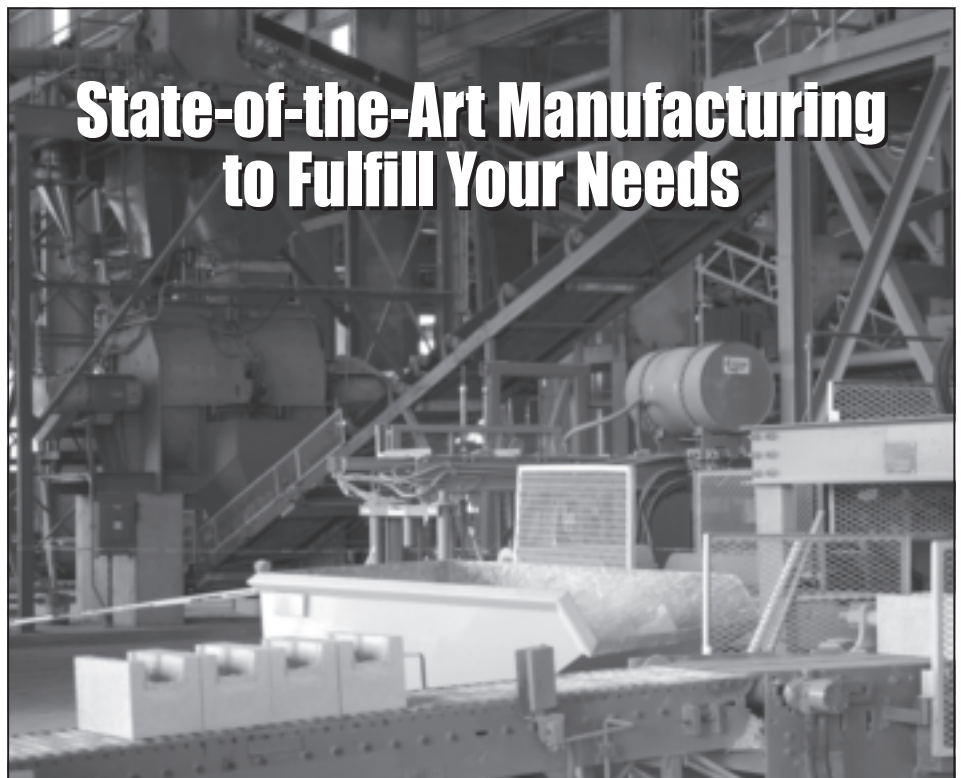


Myles Shimokawa and Wayne Kawano



Presidents Photo: L to R - Jeffrey Hanyu, Myles Shimokawa, Fernando Frontera, Jonathan Murai, Beverly Ishii-Nakayama, Brian Ide, Wesley Segawa.

**Deadline for
 Wiliki
 is March 15th**



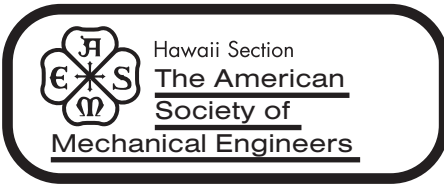
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Vice-Chair	Derick Kam	
	derickFPE@gmail.com	
Secretary	Victor Russell	
	dsaengr@aol.com	
Treasurer	Kevin Dang	737-1708
	dangk001@hawaii.rr.com	

2016-2017 Chapter officers and BOD

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Vice President:	Mofazzal Mir P.E.
Secretary:	Willie Diguc
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Board of Governors:	Donna Kishi
	Matt Tio
	David Lebowitz
	Lori Arakawa P.E.
	Andy Crossland P.E.
	RJ Ritter



2017 HAWAII CHAPTER 30th Annual GOLF TOURNAMENT

Friday, May 5th, 2017
 Pearl Country Club
 98-535 Kaonohi Street
 Aiea, Hawaii 96701
 Phone: (808) 487-2460
 Website: www.pearlcc.com
 Tee-Time starts at 11:30am
 FOURSOME Format, Four Players/Team
 Entry Fee: \$195/player*
 Team Fee: \$780/4 players (covers golf fee, cart, lunch and awards banquet after golf)
 Deadline for Teams: Friday, April 14, 2017
 Single entry will be assigned to a four-some; notification of assigned team during registration.

Specific game details will be provided to all players prior to the event.

*Some of the entry fee may be tax deductible; consult your tax professional for determination.

CORPORATE/INDIVIDUAL SPONSORS NEEDED

Gold: \$1750, Silver: \$1000, Bronze: \$500

- Sponsor banner placement
- Recognition at the upcoming Installation Banquet
- Recognition in the Hawaii Chapter newsletter and website
- Award certificate

Register/Donate on-line using the Hawaii Chapter website <http://ashraehawaiichapter.info/meetinginfo.php?id=109&ts=1485475807> or questions/more info, contact/text or email Deron at 808-521-3773 or djyo@insynergyc.com

For the benefit of ASHRAE Research or:

The Lester Nakata Memorial Endowed Fund
 The Fred Kohloss, P.E. Endowed Fund
 The Past Presidents Endowed Fund
 Note: Proceeds will benefit ASHRAE Research Promotion and a portion will be allocated to the Hawaii Chapter operating expenses.

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.

HILITES OF OUR FEBRUARY 1, 2017 GENERAL MEMBERSHIP MEETING

Meeting was called to order by Chairman Derek Sato at Hawaiian Electric's Ward Avenue cafeteria. Attending were the Executive Committee, Dr. A. Zachary Trimble, Caton Gabrick and speaker Grant Takara. The following were reported and discussed:

Student Section (UHM) Report:

- Science Olympiad at the UHM College of Engineering (COE) to be held February 18.
- Junior Expo for High School Juniors will be held at the COE on March 3. COE students to provide mentoring, judging and other duties for this event and for the Science Olympiad.
- Students plan to attend the 2017 ASME E-fest at the University of Nevada at Las Vegas March 17-19 along with the annual Human Powered Vehicle (HPV) Competition.

UHM Department of Mechanical Engineering (DME) Report by Dr. Trimble:

- The DME has the largest number of declared engineering majors at the UHM COE. The unofficial tally is well over 400+.
- To help with the continued growth, several classes with labs are being combined. Currently the DME has 18 professors. There are plans for adding professors for thermal fluids, mechanics, and materials. With the expected continued growth in the fall 2017, two additional positions are in development. With this growth, a long term planned usage of Holmes Hall has been initiated along with possible development of additional building space in close proximity to Holmes Hall.

HCES Activities by ASME:

- ASME digitized the HCES logo and created two vector artwork for pens and Post-it Notes.

These promotional items were turned over to HCES the last week of January.

- The engineering brochure task was nearing completion. Seeking royalty free artwork or photos that represent ME, CE and EE. Target audience for this brochure is high school and middle school students.

ASME-HAWAII P.E. REFRESHER COURSE:

Raymond Liu reported that the course started with 22 candidates. The classes are held every Tuesday from 6 PM to 9 PM at the University of Hawaii Ag/Science building and will end April 15, 2017. The spring 2017 PE Exam is scheduled for April 18. Twelve candidates plan to take the April exam with the remainder planning to take the October 2017 exam.

Considered Tours:

Wheeler Army Airfield – HIANG aircraft hangar. Planning for a weekend tour. Details are being worked on.

Program:

Speaker Grant Takara on Smart Garments. Grant is a Master's degree candidate at the UHM DME. Smart garments map pressure and temperature distribution and body orientation to aide in the prevention of pressure ulcers mainly in the paraplegic and geriatric population.

2017 ASME-HI BALLOT AND SURVEY

The 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.

The opening of the *MonkeySurvey.com* site was delayed.

ITE, from page 2

The Section will be hosting their quarterly Adopt-a-Highway community service event on Saturday, March 4. Members will meet at the Koolau Shopping Center McDonald's at 8:45 AM and will help clean-up the roadside along Kahekili Highway in Kaneohe. Please e-mail cfukuoka@atahawaii.com if you are interested in participating in either event.



The crowd at the VEX IQ tournament held February 18 at the Windward Mall.

2017 Excellence Awards, from page 1

11. Emergency Earthquake Damage Repairs Waipio Valley submitted by Yogi Kwong Engineers
12. Beachwalk Emergency Bypass Repairs submitted by Yogi Kwong Engineers
13. Hawaii Preparatory Academy Energy Lab submitted by Belt Collins Hawaii
14. Magnetic Silencing Facility submitted by SSFM and Moffat & Nichol
15. Kuhio Highway Emergency Slope Repairs submitted by Geolabs
16. Honoapiilani Highway Realignment submitted by Wilson Okamoto Corporation
17. Stream Bank Protection and Stabilization at Riverside Apartments submitted by Yogi Kwong Engineers
18. Waikamoi Flume Replacement submitted by KAI Hawaii

Each of these projects has contributed to the beauty, vitality, efficiency, and sustainability of our island home as well as leading in design innovation and execution.

ACECH also recognized a local project that went on to gain **international** recognition: the Advanced Electro Optical System (AEOS) 3.67-Meter Telescope Facility on Mt. Haleakala, designed by Sato and Associates. This project won an ACECH Excellence Award in 2000 and, subsequently, the ACEC's Grand Conceptor Award. The accolades didn't end there. In 2013, the AEOS 3.67-Meter Telescope Facility was named one of the U.S.'s top 10 engineering projects of the century and recognized as such by FIDIC - The International Federation of Consulting Engineers at its awards ceremony in Barcelona, Spain.

Kako'o Award

In addition to this year's and the retrospective winners, the evening held a special surprise: the bestowal of the coveted Kako'o Award to Mr. Richard Sato of Sato and Associates, Inc.

Under the prevailing interpretation of Hawai'i law, Richard Sato was asked, during a contract dispute, to defend and pay for the defense of others who were parties to his contract, even though no negligence was found against him or his firm. Refusing to back down from what was an unjust burden, he kept fighting all the way to the Hawai'i Supreme Court, and fronted the costs for the legal appeals with his own money.

Because of Mr. Sato's tenacity, the entire design professionals' community will now benefit from the favorable Hawai'i Supreme Court

decision in Arthur v. State of Hawaii. The Hawaii Supreme Court ruled that the duty to defend arising from an indemnity provision in a construction contract is determined at the end of litigation, when negligence is determined, and overturned the decision in Pancakes v. Pomare that had previously been used to trigger the duty to defend. It further upheld HRS 431:10 222 prohibiting indemnifying another for their sole negligence. The entire design professionals' community owes Richard Sato their appreciation and gratitude for a very favorable decision with far-reaching impact that will continue to benefit the entire industry.

State and Counties Symposium and ACECH Annual Meeting

Please join your colleagues and friends at the STATE and COUNTIES SYMPOSIUM and also our ACECH ANNUAL MEETING to be held on April 6, 2017 at the Hale Koa Hotel. Please be on the lookout for the registration announcements.

Best regards,

Robin M. Lim, P.E.
ACECH Past President and EEA Event Chair

2017 MATHCOUNTS Competition, from page 1

combinatorics, and algebra problems in 40 minutes. The Target Round has 8 problems in pairs of two with 6 minutes per pair to complete. The highest scoring mathlete was Darren Do of Washington. In fact the top five scoring students were all from Washington Middle School. Do was followed by his teammates, second to fifth place, in that order, by KyungBong Ko, Zi He Yan, Sonny Nguyen, and Anna Baker. Joshua Park of Iolani was sixth, followed by Nainoa Visperas of Kamehameha.

A Countdown Round was held for fun pitting the top 12 individual scorers against each other in pairs. The Countdown Round focuses on speed and accuracy. Students have a maximum of 45 seconds per problem without a calculator. In first place was Nainoa Visperas and second was Darren Do. Congratulations to Kamehameha Schools, our host, for a very outstanding performance.

The Hawaii MATHCOUNTS major sponsor is Hawaiian Electric Company, Inc. providing financial support and scoring volunteers. Volunteers came from Hawaiian Electric Company, U.S. Army Corps of Engineers (USACE), ASCE Young Members Forum (YMF), and ASME. Kevin Araki recruits USACE volunteers, and Jonathan Visaya and Kimberlee

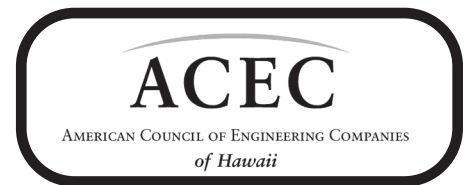
Luke helped assemble the ASCE YMF volunteers.

For this competition the awards presenters included Debbie Lindsey, Head of School, Kamehameha Schools Kapalama; Nathan Yuen, Hawaiian Electric Co., Inc.; Barry Nakamoto, Vice President, Covanta; and Mike Kamaka, President-Elect, HSPE. The Master of Ceremonies for Hawaii MATHCOUNTS is Lou Muzzarini, retired USACE who doubles as the competition moderator. HSPE MATHCOUNTS Co-Coordinator are Engineers Barry Nakamoto, Retired Hawaiian Electric, and Nathan Yuen of Hawaiian Electric.

Hawaii MATHCOUNTS thanks the Kamehameha Schools for again hosting the Oahu Chapter Competition. They will also host the State Competition on Saturday, March 4, 2017. The State Competition will have six Oahu schools, Washington, Iolani, Punahou, Kamehameha, Highlands Intermediate, and Kapolei Middle competing with outer island schools to determine the Hawaii team competing in the 2017 Raytheon MATHCOUNTS National Competition on May 14-15, 2017 in Orlando, Florida.



Awards Presenters, L-R: Barry Nakamoto, Mike Kamaka, Debbie Lindsey, and Nathan Yuen.



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