

2014 HCES Lifetime Achievement Award

Stanford B.C. Yuen

Mr. Stanford B.C. Yuen earned a BS degree in Mechanical Engineering from University of Hawaii, a MS degree in Industrial Engineering from the University of Southern California, and an MBA from Pepperdine University. He is a licensed professional engineer in Mechanical Engineering and Industrial Engineering.

Mr. Yuen started his engineering career in 1966 as a design engineer at Boeing Aircraft. Over the next 5 years he also worked for Lockheed Corp and Litton Industries. Projects he was involved in included the Boeing Supersonic Transport, Boeing 747, and the Lockheed L-1011. He next worked for Dean Witter & Co. as a stockbroker for several years before returning to engineering.

He started his Federal career in 1975 as a Mechanical Engineer at Hickam Air Force Base, Hawaii as the Head of the Industrial Engineering Division. Mr. Yuen moved to Naval Engineering in 1982 and held several positions during the next 31 years including Head, Public Works Support Branch, Facilities Engineer for Navy Region Hawaii, Assistant Chief of Staff for Facilities and Environment, and finally as the Special Assistant and Senior Advisor to the Admiral. Mr. Yuen's several honors and awards over his career include the Navy Meritorious Service Award four different times, Hawaii's Federal Professional Employee of the Year, Professional Engineer of the Year, Department of the Air Force, Federal Manager of the Year, Department of Defense Desert Shield/Storm Service Award, and he was Hawaii's 1998 Engineer of the Year.



continued on page 7

2014 Engineer of the Year

Jon Young

Jon Young is the American Society of Civil Engineers' (ASCE) nominee for the Engineer of the Year award. They nominated Jon because of his technical achievements as a professional engineer, his dedication towards promoting and developing the civil engineering profession, his generous giving of his time and efforts to many varied community service activities, and his proven leadership in all these activities.

As described by ASCE, Jon has developed into a highly capable professional engineer due to the diverse nature of the companies and work experience he has been exposed to throughout his career. He has been a sole proprietor, and worked at a 3-man engineering design office, a medium-size civil consultant, a large consulting firm, a large corporation, and a family-owned business. His experiences include being a consultant, a client, a construction manager, a senior project manager and an executive director. The result of this experience is a well-rounded engineer with the ability to view situations from all perspectives – consultant, contractor, and client. As the current director of HAPI, he has been able to use all his past experience to effectively balance the promotion of asphalt with the need to educate practicing engineers, the industry and the general community about the appropriate uses of this product while gaining the respect of all parties involved.

Jon Young has also dedicated his life to the development of young people. He enjoyed working with children in his various roles in youth soccer



continued on page 9

2014 HCES Young Engineer of the Year

Troy Kamalauwehiwehi Ching

Troy Kamalauwehiwehi Ching, PE, LEED AP BD+C, M. ASCE was selected as the recipient of the 2014 Young Engineer/Early Career Award. Troy was nominated by the Hawaii Section of the American Society of Civil Engineers (ASCE) for his contributions to the profession and community.

Troy was born and raised on the island of Kauai. He is a graduate of the Kamehameha Schools, Kapalama Campus and the University of Hawaii at Manoa (UH Manoa), where he received his Bachelor of Science degree in Civil Engineering. At UH Manoa, he became part of the first group of students in the Native Hawaiian Science and Engineering Mentorship Program (NHSEMP) in 2002, and in 2007 was a member of the first graduating class. He was a research assistant under Dr. T. Kaeo Duarte, formerly of the Botany Department and Water Resource Research Center mapping the hydrology of a Native Hawaiian Fishpond. Troy spent his junior year in college as an exchange student at the University of Alaska Anchorage (UAA). At UAA, Troy was a member of the Alaska Native Science and Engineering Program where he was as an instructor and peer mentor for their Pre-College Outreach and Summer Bridge Program, respectively.

Troy began his engineering career at Community Planning & Engineering, Inc., working as an intern for two years. After graduating from college, he began working for HDR Engineering, Inc. He has worked on numerous projects throughout Hawaii and the Pacific Region. He is responsible for the production of civil, site development, utility infrastructure design documents, and utility studies. He served as the design engi-



continued on page 9

2014 HCES Student Engineer of the Year Award

Kevin Shin

The selection committee is honored and humbled to announce Mr. Kevin Shin as the 2014 HCES Student Engineer of the Year Award. Kevin has demonstrated a phenomenal academic achievement by maintaining an exceptionally high GPA – an astronomical 3.95 overall, and has been on the College of Engineering Dean's List since his matriculation to the Mechanical Engineering Program as an 'older' student in 2009.

To briefly explain, after graduating from Moanalua High School, Kevin gave up his full scholarship acceptance to University of Michigan to work and take care of his father who was extremely ill, on a full-time basis. Realizing the need for education, he then re-applied to the College of Engineering at the University of Hawaii at Manoa and was accepted but without any scholarship... He quickly understood the meaning of "financial aid"; then more quickly understood the 'privilege' of applying for "scholarships". Since 2010, he has received multiple scholarships throughout the State and understands the tremendous 'gift' that scholarships offer, as he is living proof of these generosity...

So Kevin is one of our 'new breed' of students who is exceptional in engineering with an extreme drive in entrepreneurship! Not only will he graduate in Spring 2014 with a BS in Mechanical Engineering, he will also receive a Certificate of Entrepreneurship from Chaminade University's Hogan program. He is a member of Pau Tau Sigma (mechanical engineering honor society), ASME, FMA (Financial Management Association), and Golden Key International Honour Society.



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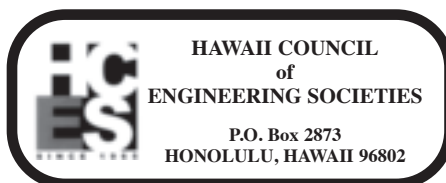
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WILIKI MAILING LIST

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

HOME PAGE: <http://hces.us>**2013-2014 OFFICERS**

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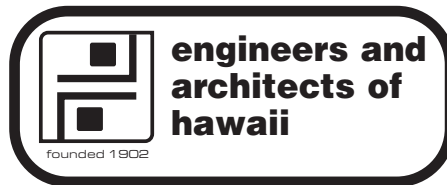
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| SEAOH | A. Agapay | |
| SFPE | S. Dannaway | |
| SWE | L. Thompson | |
| UHM (assoc) | S.K. Choi | |

February 2014 Robotics Events and Volunteer Opportunities

2/16 VEX IQ State Championship,
Pearlridge Center

Art Kimura <art@higp.hawaii.edu>

If you have any questions, please contact Song K. Choi at schoi@hawaii.edu or call 808-956-8404. Thank you.



po box 4353, Honolulu, Hawaii 96813
An association for Hawaii's Engineers and Architects
WEB address: <http://eahawaii.googlepages.com/home>

EAH 2012- 2013 Officers

| | | |
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PROGRAM FOR FEBRUARY

Program Chair: Martin McMorro

Feb 7 Speaker: Barbara Shideler, AIA, Partner - Mason Architects Inc. Title: Restoration and alterations of the Catholic Cathedral on Fort Street Mall.

The Cathedral of Our Lady of Peace, originally built 170 years ago, is arguably considered the oldest cathedral in continually use in the United States. It is listed on the National Register of Historic Places and is the site at which Saint Damien was ordained. Today Mason Architects are part of the team that is assuring the preservation of this treasure. Barbara will share with us the steps that are being implemented to restore and prepare the Cathedral for the next 170 years. In addition, Barbara will be showing a very interesting mockup of a portion of the cathedral built and completed under the guidance of Mason Architects.

Feb 21 Speaker: Riley Moffat. Author, Scholar, Student of Cartography and Surfer. Title: Mapping and Surveying of Hawai'i - Cook to Annexation.

Professor and Head Librarian at BYU Hawaii, Mr. Moffat has coauthored and/or contributed to three major books on the history of mapping and surveying in Hawaii. His presentation will highlight the challenges experienced and the achievements made by those pioneers who literally put the Hawaiian Islands on the map. Those who have pulled chain on occasion will enjoy this presentation. This will be one of two talks Mr. Moffat will give to EAH this month.

Feb 28 Speaker: Riley Moffat. Geography Professor and Senior Librarian, BYU Hawaii. Title: Surveying in Hawai'i - Land Issues and the Great Mahele.

Mr. Moffat returns to the EAH to pick up where he left off last week. The insights into the cultural and economic impact on Hawai'i as private land ownership developed will be addressed as well as the question, "Was the Great Mahele really Great?"

EAH's new meeting location is at the Mango Grill in the Topa Tower (Ewa tower on Fort Street) in the Topa Financial Center (Old AMFAC Bldg). Parking is available (enter from Nimitz). The WEB site has been updated to provide directions and a Map. If you have questions please call Sam Gillie (543-4739).

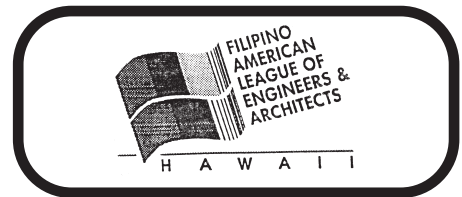
Meetings are held every Friday (except Holidays).

Meetings start at NOON and have ended PROMPTLY at 1:00 pm for 70 Years.

Program schedule may be adjusted, call Sam Gillie to confirm speaker 543-4739 Fax 203-1335.

\$10.00 Members, \$12.00 Guest (All Welcome), Students Free, Bring Your Own Lunches Welcome, Drink Refreshments are

complimentary. A \$2.00 donation is very gratefully appreciated!!



P.O. Box 4135, Honolulu, Hawaii 96812

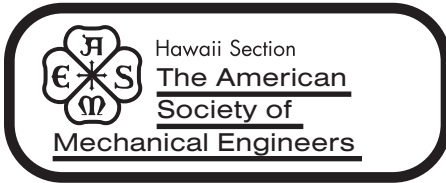
Website: <http://www.falea.org>**Officers/BoDirectors for 2012-2014**

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JANUARY HIGHLIGHTS: 2014 FE REVIEW

– Once again, after our eventful Year'13, we're off and running(galloping?)in this the Year of d'Horse! Lei Jaramilla has done some excellent research and came up with relevant information regarding our annual Refresher Course. FALEA as you know will be again offering Saturday classes to members and prospective members planning to take the Fundamentals of Engineering Exam this year, and ask our volunteers to again donate their time and effort in teaching specific subject matters relative to their field of specializations. She reported some significant changes in the Exam format. Effective this January, the exam is now computer based, offered year round (except March, June, September and December) and trimmed down to 110 questions for 6 hours. The reference manual may be given as a pdf copy on the computer as well. The "Other Disciplines" module is adding 2 more subjects, Safety/Environment and Data/Instrumentation. The 'general' or 'other disciplines' module now includes 4-6 questions each of safety and instrumentation topics. There will be no 'general' morning & 'field-specific' afternoon session anymore. Only the basic engineering topics like math, stat, ethics, econ, & computational tools are still included across all modules. But topics such as thermo, fluids, electrical, statics, strength etc. are only included in modules where they are relevant, i.e., if you are taking Civil, you don't need to study thermo or electrical anymore; if you are taking Electrical, you don't need to study fluids, strength of materials anymore. Our draft review schedule being prepared is based on the 'Other Disciplines' module. As such we should relook the topics we need to include in our Review. FALEA Pres Jeffrey Cudiamat commented that we can still have our standard weekly Saturday Review Classes as before for each of the subject matters, but now that there is no specific Exam date we should have more flexibility adjusting our schedule. Lei will be sending out a tentative class schedule to begin February 15 until May 10, 2014. This will be every Saturday from 1:00-4:30pm at the Structural Hawaii office in Pearl City. The Review Topics are based on the outline of the "Other Disciplines" module for reference & planning purposes. Lei also request that our volunteer instructors continue to support FALEA in this annual activity by letting her know of your availability.

HAVE A GREAT & SAFE YEAR everyone!



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

ASME-HI 2013-2014 Officers

| | | |
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| HCES Rep: | Derick Kam | |
| Alternate: | John Ahern | |

NEXT ASME-HAWAII SECTION GENERAL/EXECUTIVE COMMITTEE MEETING

Date: February 11, 2014 Tentative
Time: 5:30 pm to 7:00 pm
Place: TBA
Agenda: TBA

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

NEW MECHANICAL PROFESSIONAL ENGINEERS

Raymond Liu reports that his 2013 P.E. Refresher Course is batting 1000. Two of his students took the October 2013 exam and both passed. Congratulations to Laura Lyons, P.E., and David Rivas, P.E. Lyons is working for a master's degree and was formerly with the U.S. Army Corp of Engineers. Rivas is with Hawaiian Electric's Power Supply Engineering Department. He received his BSME from Fresno State.

NEW ASME DEMAND PUBLICATION

DEMAND is titled ASME's global development review. It is published quarterly to help meet the needs of individuals and organizations working at the intersection of technology and global development. It will contain a mix of case studies, stories and original reports from contributing authors that are leaders in their fields, adept at combining engineering rigor and practical experience. This is different from the Mechanical Engineering (ME) magazine where articles are written by journalists. The first DEMAND publication was the fall 2013 issue and can be found on the ASME website, in case you lost it or trashed it. Future issues will be mailed with the ME magazine. Also, the ME magazine now has shorter, informative articles with lots of eye catching graphics making for more pleasant skimming or reading.

MATHCOUNTS 2014 OAHU CHAPTER COMPETITION

Twenty-six schools and 225 students from the 7th and 8th grades will compete in the February 1, 2014 Oahu Chapter Competition at the Kamehameha Middle School campus. This will decide who moves on to the March 8 2014 Hawaii State MATHCOUNTS Competition, also at Kamehameha Middle School. Assisting with the proctoring and scoring of the competition will be volunteers from Hawaiian Electric Company, the U.S. Army Corp of Engineers, ASCE, and ASME. The results of the Chapter Competition will appear in the March 2014 Wiliki issue.



2014 Engineers Week Banquet

Saturday, February 22, 2014

Grand Ballroom at the Koolau Ballrooms & Conference Center

5:30 p.m. Cocktails

6:30 p.m. Dinner

7:15 p.m. Program:

- Presentation of Engineers Week Exhibit Awards.
- Presentation of Engineer of the Year, Young Engineer/Early Career, HCES Lifetime Achievement, and Student Engineer of the Year Awards.
- Guest Speaker – Scott Seu, HECO President.
- Installation of 2014 HCES officers.

Contact Person and Organization _____

Address _____

Telephone _____ E-mail _____

Rates are \$60.00 per person for registration(s) postmarked on or before February 3, 2014, \$70.00 per person for registration(s) postmarked after February 3, 2014, and \$40.00 for students. Tables will seat 8 people. **Registration deadline is February 17, 2014.**

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

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

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

| Name | Company or Organization |
|----------|-------------------------|
| 1. _____ | _____ |
| 2. _____ | _____ |
| 3. _____ | _____ |
| 4. _____ | _____ |
| 5. _____ | _____ |
| 6. _____ | _____ |
| 7. _____ | _____ |
| 8. _____ | _____ |

Number of people attending: _____ x \$60.00 (registration on or before Feb 3)= _____

Number of people attending: _____ x \$70.00 (registration after Feb 1) = _____

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

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

TOTAL AMOUNT REMITTED _____

Please make checks payable to "HCES" and mail with completed registration form to:

2014 Engineers Week Banquet
c/o Derick Kam
Thermal Engineering Corporation
512 Kalihi Street
Honolulu, Hawaii 96819

Banquet attire will be aloha wear. There is no charge for parking. For further information regarding cancellations and refunds, or if you have any questions, please contact Registration Committee Chair Derick Kam at dkam@thermaleng.com, telephone 356-2461.

KNOW YOUR ASCE HISTORY

by C.S. Papacostas

The Japanese Consulate Incident

About the same time as C. S. Desky's Progress Building was completed at the makai-ewa corner of Fort and Hotel Streets in Honolulu, Desky was reported to be "superintending for Bruce Cartwright the erection of an annex" to it for which ground was broken the previous day [Hawaiian Gazette, HG, 5/6/1898].

Called the "Model Building" or "Block," it shared the makai wall and electric elevator with the Progress Building. It was three stories in height and was made of "island stone and brick and iron, with plate glass stone fronts," just like the Progress Block. It had a frontage of 63 feet on Fort Street resulting in a combined 146 feet for the two buildings and a depth of 80 feet. The two buildings were so similar that they became indistinguishable from each other and had been often referred to collectively as the "Model Progress Building" to this day [Star Bulletin, SB, 2/22/2004]. Contrasted with the architectural drawing of the Progress Block I included in last month's (December 2013) article, the recent photograph below illustrates this point.

Cartwright had paid Desky \$12,000 for the 4,976 square foot property to construct the building at an estimated \$32,000 according to plans prepared by Desky "with a few changes [Hawaiian Star, HS, 4/26/1898]." It appears that before Cartwright entered the picture "Los Angeles capitalists" had secured an option from Desky to construct a four-story brick building designed by architects Howard & Train but uncertainty about annexation of the islands apparently discouraged them from proceeding [HS 1/25/1898]. Plans by Desky for a "big hotel adjoining the Progress block" were also dropped [HS 2/3/1898].

A shortage of imported cement that caused the local price to jump from \$2.40 to \$5.40 per barrel caused unexpected delays in the construction of the Model building as well as an addition to the Bishop Museum that was also under way at the same time [HS 5/23/1898].

Despite their outward uniform appearance the Model and Progress buildings remained separate entities. Among the occupants of the Progress Building were the U. S. War Department, the Democratic Party and the YWCA. When the Japanese Government purchased it from the German Savings and Loan Society of San Francisco in early 1907 [HS 1/22/1907] intending to use it as its Consulate, an international incident ensued. The Consul General of Japan, Miki Saito, started to partition the two buildings, a move that could cut off the tenants of the Model Building from the use of the shared elevator. Desky protested but Saito remained "firm in his decision" and thought that Desky had "no business in matters pertaining to Japanese territory [HS 2/9/1907]."

The same source speculated "several other interesting situations in regard to the renting of the stores on the ground floor. This property is Japanese territory. Now when goods are taken into the stores there the Japanese government should collect duty on them. Then when they are resold to customers, a custom house officer will have to stop them at the door and demand duty. The stores will be taxed by the Japanese government and the United States can only collect duty on the objects as they come from

the premises in the arms of customers."

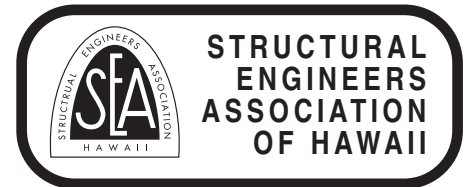
During the fracas Consul General Saito determined that "there was a contract between the former owner of the Progress building and the owner of the Model building to the effect that the tenants of the Model building should be allowed to use the elevator and while the contract remains valid, the Consul General will not deny the use of the elevator to tenants of the Model Building. [HS 2/11/1907]."

As for the jurisdictional issues relating to the rental of stores, this issue apparently petered out as the Japanese government ended up occupying the entire remodeled building: The first floor by the offices of the consulate and the upper floors for the Consul General's residence, along with "a large banquet room [and] a commodious reception room [HS, 5/4/1907]."

The Model Block also changed hands several times. For instance, it was sold to a Mrs. Annie S. Park for \$32,000 on March 16, 1911, and later by her heirs for \$45,000, the upper floors occupied by the U.S. District Courts [SB 4/13/1913]. A contemporaneous proposal "to purchase both the Model and the Progress buildings for a combined amount of \$122,000... for use as a city hall" apparently fell through, even though "the buildings are already connected with an elevator, not now in service [HG 3/7/1913]." By the end of April, "the sale of the Japanese consulate general, known as the Progress block" was to be "consummated to the C. M. Cooke Estate, Ltd at \$65,000 [SB 4/19/1913]." According to earlier speculation, "removal of the Japanese consulate general from its present quarters, occupying with the Japanese mercantile museum the entire Progress Building..., to Nuuanu avenue, near its original location... upon the old Waterhouse homestead on Nuuanu avenue [SB 1/14/1913]."

Presently, the Model Progress Building is occupied by Hawaii Pacific University. On a recent visit, I determined that the interiors of the buildings had been almost totally gutted and replaced with modern facilities, only several load-bearing brick walls having been retained. The original entrance to the upper floors on Fort Street has been filled in and a modern fourth floor, hardly discernible from the street, has been added where the original roof garden was. Modern elevators, on the side of the Model Block this time, have replaced the original that became a bone of contention many years ago.

Do you know of a civil engineering accomplishment or event that your fellow ASCE members might find interesting? Please send a brief description to C.S. Papacostas (fax 956-5014, email csp@wiliki.eng.hawaii.edu). Previous articles in the series may be found at the Section's web site. Just point your browser to <http://www.ascehawaii.org>.



PO BOX 3348, HONOLULU, HI 96801

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

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| Dir. (Yr 1) | Michael Kasamoto MKSE@hawaiiintel.net | 589-1170 |
| Past Pres. | Brian Kung brian@mkellc.com | 488-7579 |

HIGHLIGHTS OF BOD MEETING

January 8, 2014

Committee Reports:

General Membership Meetings/Technical Seminars/Events:

- SEAHO Annual Convention 2014: Aulani discussed as possible venue; July as possible timeframe. Contact Brian Kung (488-7579, brian@mkellc.com) to offer suggestions or ideas.
- March's joint ASCE-SEAHO dinner meeting will feature a presentation on ACI 318-14.
- Engineers Week is February 16-22, 2014: Go to the HCES website for information regarding Engineers' Week events.

SEAHO Scholarship Opportunities:

Look out! SEAHO will be announcing scholarship opportunities for members and their families in coming months.

Prefab Roof Trusses for Big Island Projects:

Board members are continuing to work the issue described in December's SEAHO Wiliki. Potentially positive input has been provided by the County of Hawaii Department of Public Works. Look for more details in next month's Wiliki as we work to positively resolve your concerns. If you have any comments regarding this issue, please feel free to contact any member of the Board.

New Member:

Joel Reyes of Kai Hawaii has been accepted for the grade of Allied Member.

Missing Members:

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

Next Meeting:

The next SEAHO Board of Directors and Officers meeting will be held on Wednesday, February 5, 2014. Contact 2014 SEAHO President Ethan Okuna (945-0198 x103, eokuna@cshengineers.com) for more information.



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General Engineering • Foundation Systems • Micro Piles

MICRO PILES As defined in FHWA-RD-96-016 "Micro-piles are small diameter drilled and grouted reinforced piles used for both structural support and insitu earth reinforcement." Typically less than 10" in diameter, allowable design capacities frequently exceed 100 kips and our crews have performed testing in excess of 225 kips or over 100 tons. Micro-piles are frequently used where a deep foundation system is required in difficult substrata conditions, or where driven piles or large diameter systems are impractical due to subsurface obstructions, or limitations presented by existing buildings at or adjacent to the project site.

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- Atlas & Chance Helical Piers
- Remedial Underpinning
- Foundation Releveling
- Load Transfer
- Soil Nails, Gunite
- Slope Stabilization
- Compaction Grouting
- Uretex, Slab Releveling

Low-overhead Equipment

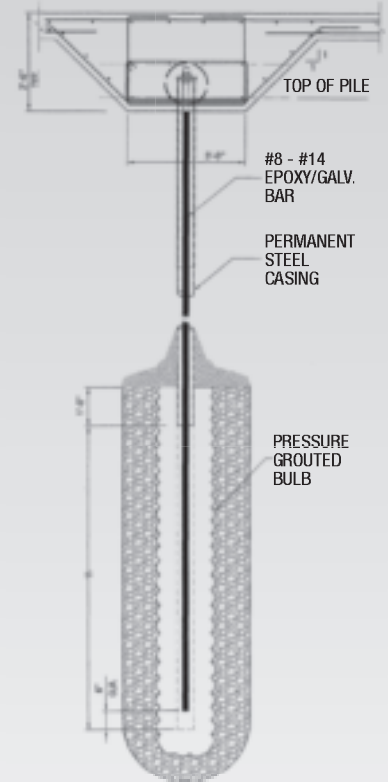


Underpinning System



New Construction, Maui

MICRO PILE



Typical Micropile Detail

Since 1985 in Hawaii, Structural Systems and its allied company Kelikai have compiled decades of experience installing deep foundation systems. Our experience includes a range of piling systems for bearing support, and a selection of differing anchor systems for tension applications. Additionally, we are authorized installers of the Atlas and Chance brands of pre-engineered foundation systems for both new construction and remedial/underpinning applications. Hawaii has widely variable and difficult subsurface conditions. With their experience, our staff and field crews are peerless in their ability to address all the differing geotechnical conditions unique to Hawaii.



STRUCTURAL SYSTEMS, INC.

General Engineering

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Telephone: (808) 845-2474
Fax: (808) 847-2966
Email: structurs001@hawaii.rr.com
website: WWW.SSIHAWAII.COM



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| YMF President: | Jason Sugibayashi, P.E. <i>email: jsugibayashi@ascehawaiiymf.org</i> | 237-3218 |

FEBRUARY DINNER MEETING

There will be no ASCE dinner meeting for the month of February due to Engineers Week activities. Please visit our ASCE Hawaii Website, <http://ascehawaii.org> for up to date information.

EXECUTIVE COMMITTEE MEETING

Last held: January 9th, 2014
Next meeting: February 5th, 2014

CONTINUING EDUCATION

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

ASCE HAWAII SECTION STUDENT SCHOLARSHIPS

Please help us increase our scholarship endowment so that we can recognize deserving students. We continue to accept tax-deductible donations with the goal of increasing the annual scholarships. Make your check payable to 'ASCE Hawaii Section' and mail to: ASCE Scholarship Committee, P.O. Box 917, Honolulu, HI 96808. If you have any questions, please contact Ian Arakaki at 596-17790, or ian@tlcghawaii.com.

ASCE JOB LISTINGS

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

- Civil Engineer VI – City and County of Honolulu
- Traffic Engineer I - City and County of Honolulu
- Civil Engineer IV – City and County of Honolulu
- Civil Engineer V – City and County of Honolulu
- Mechanical Engineer IV – City and County of Honolulu
- Senior Geotechnical Engineer/Manager – Parsons Brinckerhoff
- Senior Civil Engineer – Oceanit Laboratories, Inc.
- Civil Engineer – Coffman Engineers
- Staff Engineer – Oahu Transit Services

For further information on these job listings

or to find out how you can post job openings in your company on this website, please visit <http://www.ascehawaii.org/jobs.htm>.



2013-2014 YMF Officers

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jsugibayashi@ascehawaiiymf.org
Vice-President Puna Kaneakua, P.E.
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Austin, Tsutsumi & Associates, Inc.
knagamine@ascehawaiiymf.org
Student Chapter President Michelle Chinen,
University of Hawaii at Manoa Student Chapter
asce@hawaii.edu

YMF General Meeting

The next YMF general meeting is scheduled for Wednesday, February 5, 6:00 p.m. at Restaurant Epic. If you are interested in attending to find out what the YMF is all about, contact YMF at ymf.hawaii@gmail.com.

Girl Scouts of Hawaii Science, Technology, Engineering, and Math Festival 2013 By Julie Hero, Outreach Chair

On the morning of November 11, 2013, over twenty female professionals volunteered their time to participate in the Girl Scouts of Hawaii Science, Technology, Engineering, and Math (STEM) Festival of 2013. Girl Scouts from all over Oahu gathered at Gus Webling Elementary School to learn about potential careers in the engineering and science community. The event was geared towards Girl Scouts between the grades of kindergarten thru middle school to try and peak their interest in STEM at an early age. Several female civil engineers of ASCE YMF participated, along with geologist, doctors, nurses, and other STEM professionals. The event consisted of dividing the Girl Scouts into small groups and allowing them to travel from station to station, meeting with three female professionals of their choice to learn about each woman's chosen field. Small science experiments were performed to engage the Girl Scouts and to teach them about engineering. Overall the event was a big success and a wonderful opportunity to give back to the community. Special thanks to Anne Sutheimer Rice for organizing this event, Jennifer Louie, and Lara Karamatsu of ASCE YMF, and the numerous other female professionals who volunteered their time to encourage young girls towards engineering and science careers.

Moanalua Elementary School Jr. Engineering Night

By Julie Hero, Outreach Chair

The ASCE YMF chapter in conjunction with the University of Hawaii ASCE Student Chapter and Nan, Inc. held an engineering night at Moanalua Elementary School on December 3, 2013. 150 students participated ranging from kindergarten to sixth grade and roughly 12 ASCE YMF members volunteered. The main

event for the evening included a popsicle stick bridge competition for the fifth graders. In preparation for this event, the fifth graders made scaled drawings and created the bridges before the competition. The other students were split into small groups and traveled between stations to partake in engineering/science activities. ASCE YMF performed two different experiments for the children to try and peak their interest in civil engineering. One experiment consisted of constructing the most structurally sound shape out of tooth picks and gum drop candy. The children got to challenge their structures by placing books and other heavy objects to see if it could withstand the force of the object. The other experiment consisted of having a lego building contest. The students were given a set amount of legos, and their goal was to build the tallest, structurally sound structure in the shortest amount of time using the least amount of legos. This helped explain construction engineering to the students. Overall this was a wonderful way to promote engineering and science with the youth of Hawaii, special thanks to all the volunteers who made this event possible.



YMF volunteers assist the students with the gum drop structure activity.



YMF Volunteers (Front Row L-R: Kevin Fong, Lara Karamatsu, Jessica Agsalda, Nicole Nakaoka, Mark Ohigashi; Back Row L-R: Eric Tomishima, Andrew Pang, Susan Mukai, Jason Sugibayashi, Lisa Takushi, Nguyen Ngo, Paul Choi)

**See page 4
for "Know Your
ASCE History"**

2014 HCES Lifetime Achievement Award, from page 1

Of significant interest is Mr. Yuen's role in the Navy being allowed to sell land while suing the proceeds to develop projects benefiting both the Navy and the State of Hawaii. Selling Navy land for development purposes was an innovative and revolutionary process requiring Congressional approval. This ground-breaking concept was first implemented successfully when Navy owned Manana parcels were sold to the City and the proceeds used to construct the Ford Island Bridge. Immediately thereafter, an ambitious plan was proposed for the development of Ford Island costing \$900 million. Navy land conveyed to private interests included Barbers Point (Kalaheo), Waikale Gulch, Iroquois Point, and many other parcels around Pearl Harbor and Oahu. In 1999 the Commander-in-Chief of the Pacific Fleet recognized Mr. Yuen for his role in "enacting Congressional legislation to allow development of the island through public private partnership and financing. This legislation enabled the Navy to meet its long-term mission support objectives in Hawaii: to replace obsolete facilities and reduce maintenance costs; improve quality of life for service members by improving their work, housing, and leisure facilities; and centralize operations to increase efficiency and reduce costs."

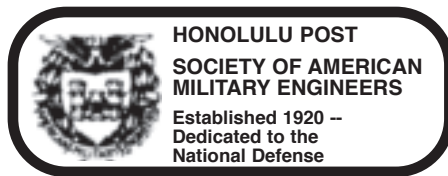
Mr. Yuen also has given, and continues to give, back to the community as a volunteer. He was active in numerous professional, engineer-

ing, business, civic, cultural, educational, charitable, athletic, and community organizations including as a Past President of the American Society for Mechanical Engineers, tour guide for Pearl Harbor and Ford Island, St Louis School Alumni Association, High School Tennis Coach, and Engineering Economics instructor at University of Hawaii. He continues to serve as the President of the Mun Lun Chinese Language School; Commissioner, Honolulu Ethics Commission; and a Member of the "Honolulu 100" Centennial Commission, City & County of Honolulu.

The HCES Lifetime Achievement Award was established in 1997 by the Hawaii Council of Engineering Societies. It is provided annually to recognize the lifetime achievements of an outstanding retired engineer and is bestowed

upon this individual who has contributed significantly to the development of engineering in the State of Hawaii, and who has made a noteworthy impact to the local engineering community. This award will be presented at the HCES Engineers Week Banquet on February 22, 2014 at the Ko'Olau Golf Club Ballroom.

**Deadline for
Wiliki
is February 15th**



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Guest Speaker:
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UPCOMING ACECH MEMBERSHIP MEETINGS

General Membership Meetings

Date: February 6, 2014 (Thursday)

Time: 11:45 am

Location: Honolulu Country Club

Topic and speaker: TBA

Date: March 6, 2014

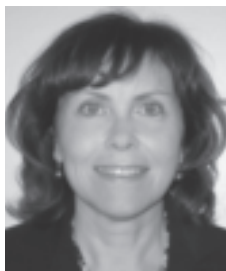
Time: 11:45 am

Location: Honolulu Country Club

Topic and speaker: TBA

ACECH Honors Janice Marsters with Kako'o Award

The American Council of Engineering Companies of Hawaii (ACECH) honored Janice Marsters, Ph.D., with the organization's first-ever Kako'o Award at its 2014 Engineering Excellence Awards banquet on January 19, 2014. The Hawaiian word Kako'o expresses the concept of providing support and assistance. The Kako'o Award was created to recognize individuals who provide extraordinary service to ACECH and make outstanding contributions that improve the business landscape for Hawaii engineering firms.



Janice has tirelessly supported and assisted ACECH for over a decade, volunteering and advocating the interests of the engineering industry. Janice served as president of ACECH from 2004-2005. She also served as an ACEC National Director from 2005-2007, and currently chairs the national ACEC Risk Management Committee. Her outstanding advocacy efforts at the State legislature are especially commendable and have resulted in important change for Hawaii businesses.

Janice is a senior environmental engineer with Kennedy/Jenks Consultants and has more than 37 years of experience in environmental and engineering consulting for a wide variety of projects in Hawaii and the Pacific. Janice received both her Bachelor's degree in Civil Engineering and Master's degree in Civil Engineering from the Technical University of Nova Scotia, and earned a Ph.D. in Geology and Geophysics from the University of Hawaii.

Trivia Question of the Month

To help celebrate our 50th anniversary in 2014, an ACECH trivia question will appear in each of this year's issues of the Wiliki. The

answers to the questions and background information will appear in the subsequent issues.

This month's question: *In what year did ACECH successfully lobby for passage of Hawaii's QBS legislation?*

Answer to last month's question: *In July 2002 the Consulting Engineers Council of Hawaii changed its name to the American Council of Engineering Companies of Hawaii.*



Hawaii Section 2013-2014 Officers

www.ite-hawaii.org

| | |
|-----------------|--|
| President: | Michael Packard mpackard@ssfm.com |
| Vice President: | Brian Gibson brian.gibson@oahumpo.org |
| Secretary: | Sara Toyama sara.t.toyama@hawaii.gov |
| Treasurer: | Robert Nehmad rnehmad@mmm.com |
| Director: | Steven Yoshida steven.yoshida@hawaii.gov |

Next Section Meeting

Our next meeting will be held on Wednesday, February 26, 2014 from 11:45 a.m. to 1:00 p.m., at the Fasi Municipal Building (9th floor conference room). Speaker Randolph Sykes will present results of an analyses done for the Oahu Regional Transportation Plan. If you would like more information or would like to attend, please contact us at ite.hawaii.section@gmail.com. Please RSVP by Monday, February 24th, and indicate if you would like to purchase a lunch.



Hawaii Section 2013-2014 OFFICERS

www.aacehawaii.org

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The AACE Hawaii Section held its first Section Meeting on January 10, 2014. It was the first meeting in two years. The local Section's Board of Directors worked together to reinstate the Section by completing Section Leadership Training, updating bylaws, conducting a member survey, creating a website and reviewing AACE's online media library.

In response to a Member Survey taken in October 2013, the presentation selected was within the Cost and Schedule Control Track. "Developing the Project Controls Plan" presented by Mr. H Lance Stephenson, CCP was originally presented at the Annual Meeting held in San Antonio, Texas.

The presentation covered guidelines in AACE's Total Cost Management Framework

and Recommended Practice (RP 60R-10). This gave attendees an opportunity to view a national conference presentation and experience AACE's online professional resources, also it allowed attendees to meet face to face with the new Board Members.

Our Winter Meeting was well attended by over 42% of the local membership. Upcoming events include an AACE Certification Information Webinar and Spring Quarterly Meeting (date TBD).

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



CMAA Hawaii Chapter

<http://hawchapter.cmaanet.org>

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| Secretary | Dustin Timm secretary@cmaahawaii.org | 256-2020 |
| President | Mike Young admin@cmaahawaii.org | 836-7787 |

News:

CMAA National recently rolled out a new, streamlined online application for the Certified Construction Manager (CCM). This new process provides for an easier and more time efficient method for completing the application and registering for the exam. If you are interested in the CCM Certification or participating in an application workshop, please contact one of the chapter board members.

On January 15th, Loren Lasher, President of Potential Development Unlimited spoke at a chapter luncheon about partnering for success.

Upcoming events for February include:

February (date TBD), the Chapter will be organizing a Construction project site visit for CM and engineering students. Watch your CMAA chapter emails for more information as the project and date are finalized.

If you have any questions, would like to get involved with the CMAA Hawaii Chapter or simply be added to our email list, please contact one of our board members or email us at Hawaii.cmaa@gmail.com



2013 Officers

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| Past Pres | Jeffrey Cudiamat engineer@structuralhawaii.com | 488-5000 |

2014 Engineer of the Year, from page 1

and chess. The best compliment he received from a parent as an AYSO under 10 coach was that his focus was on helping the players become good people. Jon also enjoys working with and developing young engineers. He takes the time to get to know each individual and tailors his training to meet the needs and goals of that person. He has expanded on that interest in helping young people with his love for civil engineering by volunteering for a number of roles within the ASCE Hawaii Section, including that of middle school and high school Outreach Chairman, University Student Chapter Practitioner Advisor, and Popsicle Bridge Contest Chairman.

Being a recipient of the 2012 Citizen Engineer Award is the result of the time and effort he has given to the engineering profession. He also gave freely of his time to play a lead role in community activities such as the Mililani Soccer Club and Mililani Chess Club. Jon has earned the reputation as being a caring and reliable volunteer.

Throughout his life, Jon has been a proven leader. It started in middle school, when he was elected class treasurer and was a two-time Star Bulletin Carrier of the Year finalist. It continued in High School when he volunteered to play the class song on piano at his graduation. In college, Jon served as the president of the ASCE Student Chapter. Throughout his career he has served in leadership positions – Sole proprietor of his own consulting company, the Drafting Department Supervisor at Hawaii Telephone, the Space Planner at Hawaii Telephone, Manager of Site Design and Construction at Gentry Homes, Senior Project Manager at Belt Collins, and Executive Director of HAPI.

We believe Jon's efforts exemplify those of an outstanding professional engineer – one that is dedicated to his profession and his community.

Jon is a graduate of the University of Hawaii at Manoa with a Bachelor of Science in Civil Engineering and has a Masters in Business Administration from Chaminade University. Jon married his college sweetheart, Lynn, who is also a civil engineer, but now works as a substitute teacher for the Department of Education. Their family consists of son Kevin, his partner Keri, and their daughter, Kira; son Michael; and son Jason.

2014 HCES Young Engineer of the Year, from page 1

neer and deputy project manager on several projects. In October 2012, HDR opened an office in Wailuku, Maui to accommodate the need for his family to relocate to Maui. Since that time he has been an instrumental part of HDR's continued success with their Maui clientele.

Troy is an active member of ASCE where he currently serves as the ASCE Hawaii Section Maui Committee Chair and the Younger Member Forum (YMF) Website Chair. He previously served terms as the YMF President, Past President, Vice President, Treasurer, Technical Presentations Chair, Facebook Chair, and Social Committee Chair. He is an active member of the Hawaii Society of Professional Engineers, Maui Chapter, assisting in the planning of the 2014 Math Matters Competition. Troy was also involved with the Hawaii Water Environment Association (HWEA) and the Hawaii Section of the American Water Works Association (AWWA). Troy served as a member of the HWEA annual Conference Committee and Co-Chair of the Young Professionals Committee for three years. He also served as the Co-Chair of the AWWA Young Professionals Committee. In January 2012, his article "Hawaii's Konohiki of Today" was published in the Journal – American Water Works Association.

In 2012, Troy organized several NHSEMP alumni and collected donations to establish the NHSEMP Alumni Scholarship and NHSEMP General Fund through the University of Hawaii Foundation. He currently serves as the donor representative for both funds. In 2013, the NHSEMP Alumni Scholarship Fund awarded its first two scholarships.

In his personal life, Troy currently resides in Wailuku, Maui and has been happily married to his wife, Tammy for two and a half years. In his free time, he enjoys wood turning, reading manga, and playing with his dog, Pork Chop and two tortoises, Leonardo and Donatello.

2014 HCES Student Engineer of the Year Award, from page 1

To briefly summarize Kevin's scholastic achievements, he has interned at Innovative Technical Solutions (NovaSol) in optical communications engineering and published a paper to summarize his group's work. He has also interned at Hawaii Energy Consultants, LLC to work on photovoltaic systems. He was a summer fellow for the Pacific Asian Center for Entrepreneurship (PACE) researching the commercial feasibility as well as the technical aspects of a carbohydrate battery. He has conducted mechanical design research on ROVs (Remotely Operated Vehicles) for the Field Robotics Laboratory in the College for harbor security. Finally, he is currently co-leading a team of mechanical and electrical engineering students for the RoboBoat Competition in June 2014 and has secured \$28,000 of funding via grant proposals. The UHM team is optimistic about their chances...

To briefly summarize Kevin's entrepreneurial achievements, he is a Co-Curator for Startup Digest Honolulu and the Vice President of Membership for Aloha Toastmasters. He was the Director of Idea Development for Hawaii Student Entrepreneurs, the President of ECUH (Engineer's Council at the University of Hawaii), and Co-Chairperson for the Registration and Accounting Committee for the American Cancer Society's Relay for Life. Finally, Kevin's group was a semi-finalist in the 2013 Business Plan Competition hosted by the UHM Shidler College of Business...

However, Kevin is not only about academics and entrepreneurship. He has mentored and tutored at the Student Teacher Outreach Mentorship Program and the UHM's Math Department, respectively. It is appropriate to note at this time that Kevin accomplished all his achievements during a college period where he lost his two guardians, his father and an uncle, to various illnesses... He is truly living proof of donor generosity, words of encouragement from friends, and a product of dedication and perseverance...

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