TOP REASONS FOR PROFESSIONAL AFFILIATIONS
by Kristy Kastner, PSP

Amongst individuals in every company, professional development is a vital component for a successful career path. One avenue that can assist in this quest are the many organizations within HCES. Professional organizations offer technical publications, recommended practices, career centers, conferences, and networking opportunities.

This article will feature AACE offerings such as technical presentations, certifications and conferences are common across Hawaii Council of Engineering Societies (HCES).

Local Technical Events
AACE’s Hawaii Section holds monthly planning meetings to provide its members low cost (and sometimes free) technical meetings, social events, and community services. Locally, we have held site tours at the Rail Operations Center and Wahie’a Tunnel. Our technical presentations featured the following topics: “Honolulu’s Construction Industry Trends,” “AACE Certification Process Overview,” “Water Setting Guidelines,” and “Riding the Construction Cycle – a short tour of the cost landscape.”

Certification Program
AACE offers a range of certification levels from technician to professional to expert level. AACE International is a member of the Board of the Council of Engineering and Scientific Specialty Boards (CESB). The CCP, CCT, CEP, EVP and PSP Certification Programs are fully accredited by the CESB. A summary of AACE certifications are as follows:

**Technical Level Certifications** (both early-career to gain requisite years of experience and starting point for mid-to-late career professionals)
- Certified Cost Technician (CCT)
- Certified Scheduling Technician (CST)

**Professional Level Certifications**
- Certified Cost Professional (CCP)
- Certified Estimating Professional (CEP)
- Earned Value Professional (EVP)
- Planning & Scheduling Professional (PSP)

**Executive Level Certifications** (for senior-level practitioners and specialists)
- Certified Forensic Claims Consultant (CFCC)
- Decision & Risk Management Professional (DRMP)

On-island, we have members with CCP, CEP, CST and PSP credentials. Advantages of certification shows professional commitment, greater earning potential, improves job opportunities, and intensifies continuous learning. Certification requires you to study recommended practices and standards.

Likewise, employers reap benefits of certification. Employers with certified individuals are able to comply with Request for Proposal (RFP) personnel qualifications.

National Conferences and Seminars
Every summer the AACE Annual Meeting conference is held over four days. Papers are written and presented by individuals in a variety of tracks (BIM, claims and dispute resolution, earned value, estimating, professional development, owner issues, project management, risk management, and total cost management).

Similarly, our local members have also found the Western Winter Workshop an easier venue to travel to from Hawaii. The last two years it

**SWE Begins Scholarship Fund in Memory of Charter Member**

Mae (Nakatani) Nishioka first made her mark on Hawaii’s history when she became the first woman to graduate with a degree in engineering from the University of Hawaii at Manoa. It was a time of double standards and very different expectations for women, and although some pointed her in the direction of the Home Economics building, she persisted and obtained her engineering degree in 1950. Four years later, she made history again as Hawaii’s first female licensed Professional Engineer. Mae started her career in the Territory of Hawaii’s Highway Planning Office, where she would later work on the beginnings of the H-1 freeway. She took a short break to raise her three children but was soon asked to return to work due to a shortage of engineers. She resumed her career in the Hawaii Irrigation Authority, then the Public Works Department, Department of Transportation, and finally the University of Hawaii (UH). While working at UH, she put together a construction program for the development of the UH Manoa, UH Hilo, UH West Oahu, and the community college campuses. She later became the Director of the Facilities Planning Office at UH until her retirement in 1983.

Mae was awarded the 2017 Lifetime Achievement Award by the Hawaii Council of Engineering Societies for her engineering accomplishments, as well as for recognition of the trail she blazed for women in the traditionally male-dominated field. Unfortunately, she passed away just two days before the Award presentation, but her daughter, Susan Nishioka, was able to accept it on her behalf. In her acceptance speech, Susan issued a challenge, in Mae’s spirit and aligned with her lifelong efforts, for the audience to find and nurture the next generation of engineers.

In addition to her commitment to her family and career, Mae was also passionate about supporting the community. She was an active member of the Society of Women Engineers (SWE) for 59 years. When she joined in 1958 as a Member-At-Large, Hawaii did not have its own SWE section. The national organization of SWE wanted a representative from each state to attend the 1964 World’s Fair in New York, and Mae served as the Hawaii delegate. She spent many years mentoring female engineering students and professionals, even before she served as a signer in 2011 endorsing the charter for the formation of the SWE-Hawaiian Islands section (SWE-HI), which would be the first professional section of SWE in Hawaii.

The Society of Women Engineers is the world’s largest advocate and catalyst for change for women in engineering and technology. The Society provides unique opportunities to network, develop professionally, and shape public policy. SWE inspires more than 30,000 members to reach their full potential as engineers and leaders. SWE champions the value of diversity by being the catalyst for change, as well as inspiring young girls to become engineers. SWE has a Hawaii presence both as a

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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!!
Shuttle was a metaphor for the National Trip in itself because of what it seemed to symbolize. It was so incredible it was hard to believe I was really there, just like the trip itself. Finally, we got to shop at Disney Springs and picked up some cool souvenirs.

MATHCOUNTS is a nationwide program with competitions on a district, state, and national level for middle schoolers. This year’s National MATHCOUNTS competition was held in Orlando, Florida, at the Hilton Orlando Lake Buena Vista. There are 4 rounds; Sprint, Target, Team, and Countdown. The Sprint and Target rounds are done individually, and the Team Round is done by the state’s teams. The 12 students with the highest individual scores (calculated by combining the Sprint and Target scores) partake in the Countdown Round, which is like Jeopardy meets MATHCOUNTS. A lot of the competitors in the Countdown Round were insanely fast. The top three teams were Texas, New Jersey, and California.

But the trip was more than just a vacation. For one, it was a test to the reward of hard work. I had spent three years trying to get to that point, and it was gratifying to be rewarded in such a big way. Second, it taught me a lesson in humility. In Hawaii, I was in 2nd place, but at Nationals, I was surrounded by students who were smarter than me. So the takeaway here is that no matter how good you are at something, you should always strive to be better. Because there will always be people who are more skilled than you. Finally, I would like to thank my coaches, my teammates, our trip coordinators, the HSPE and their sponsors, and the MATHCOUNTS Foundation and their sponsors for making this trip possible.

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Hawaii Chapter

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. Hawaii Chapter
P.O. Box 3916, Honolulu, HI 96812-3916

2016-2017 chapter officers and BOD

President: Dean Borges P.E.
President Elect: Kevin Luoma P.E.
Vice President: Mofazzal Mir P.E.
Secretary: Willie Digu
Treasurer: Samantha Niver P.E.
Board of Governors: Donn Kishi
Matt Tio
David Lebowitz
Lori Arakawa P.E.
Andy Crossland P.E.
RJ Ritter

The Society of FE PROTECTION ENGINEERS
HAWAII CHAPTER OFFICERS

President: Robert Bigtas
S.S. Dannaway Associates
rbigtas@ssdaline.com
Vice President: Derick Kam
Fire Protection
Secretary: Ferdi Guinto
Lohaus & Associates
Treasurer: Sam Dannaway
Coffman Engineers
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Tensioning Institute's 2017 Project of the Year
The Ritz-Carlton Residences Waikiki Beach,
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Baldridge & Associates Structural Engineering
Baldridge and Fernando Frontera from
Award
BASE Wins Top Post-Tensioning Institute
Congratulations to SEAOH members Steven
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in its application of post-tensioned concrete.
Next Meeting on August 2, 2017. For infor-
mation, contact SEAOH President; Jonathan
Murai jmura@kaihawaii.com.

PREVIOUS BOD MEETING
July 5, 2017
General Membership Meetings/Technical
Seminars/Events
For all events see seaoh.org or look for email
flyer for registration.
• SEAOH Annual Convention – August 25
and 26, 2017, Aulani Resort & Spa.
• CRSI Seminar – Economical Concrete
Buildings: Seismic Detailing – September
2017, details to be announced.
• SEAOH Golf Tournament – October 13,
2017, Hoakalei Country Club, details to be
announced.
• AIS: Seminar – Bracing Connections and
Related Topics – October 2017, details to be
announced.
New Member Applications
Applications for the following individuals
have been received and are open for com-
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Associate Member, and Christopher Wise for
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Nominating Committee
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Please contact Jonathan Murai if you are inter-
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for members or children of members is available on the web-
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scholarships to students furthering their educa-
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The funds for the scholarship are primarily gen-
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Murai jmura@kaihawaii.com.
**MICRO PILES** As defined in FHWA-RD-96-016 “Micro-piles are small diameter drilled and grouted reinforced piles used for both structural support and insitu earth reinforcement.” Typically less than 10” in diameter, allowable design capacities frequently exceed 100 kips and our crews have performed testing in excess of 225 kips or over 100 tons. Micro-piles are frequently used where a deep foundation system is required in difficult substrata conditions, or where driven piles or large diameter systems are impractical due to subsurface obstructions, or limitations presented by existing buildings at or adjacent to the project site.

**Capabilities, Benefits & Advantages**
- Limited Access and Low-overhead Equipment
- Design/Build Projects
- FHWA Compliant
- High Bearing & Tension Capacities (100 Tons)
- New Construction
- Cased or Un-cased Systems
- Hollow-bar Injection Anchors & Piles
- Atlas & Chance Helical Piers
- Remedial Underpinning
- Foundation Releveling
- Load Transfer
- Soil Nails, Gunite
- Slope Stabilization
- Compaction Grouting
- Uretek, Slab Releveling

**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.
2016-2017 YMF Officers
Norman Leong, President
nleong@ascehawaiiymf.org
Jordan Urabe, Vice President
jurabe@ascehawaiiymf.org
Nicole Nakaoka, Secretary
nnakaoka@ascehawaiiymf.org
Austin Wong, Treasurer
awong@ascehawaiiymf.org
Amanda Tanaka, Past President
atanaka@ascehawaiiymf.org

YMF General Meeting
The next YMF general meeting is scheduled for Wednesday, August 2, 2017 at 6:00 pm at The Yellow Cab Pizza Company. 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.

Kaneohe-Kailua Sewer Tunnel Tour By Norman Leong, YMF President
On Saturday, June 24th, 21 total YMF members and AWWA/HWEA YP members attended the Kaneohe-Kailua Sewer Tunnel Tour. We got started with a quick presentation about the project and then took on a walking tour around the site. Hope everyone enjoyed themselves and thank you to Bowers+Kubota for allowing us the opportunity to tour the facility!

ASCE YMF Job Shadow Program
Most students will often go through school having little to no knowledge of what the work environment will be like once they graduate college and enter the workforce. The ASCE Hawaii Section YMF Job Shadow Program offers students the opportunity to spend a few hours with working professionals to gain a better understanding and valuable insight into the civil engineering work environment. Students will follow and observe professionals at work while learning about the various aspects of civil engineering. While hosting students, professionals will be able to share the various responsibilities, duties, and experiences within civil engineering. For more information regarding the ASCE Hawaii Section YMF Job Shadow Program and/or if your company is interested in hosting students in the program, contact Brandon Uejo at buejo@ascehawaiiymf.org.

August DINNER MEETING
The speaker for the August Dinner Meeting will be Mark Merrifield, Director for the Center for Coastal Climate Science at the University of Hawaii at Manoa. The date and location for the August Dinner Meeting are currently being finalized. Please visit www.ascehawaii.org for updates.

EXECUTIVE COMMITTEE MEETING
Last held: Tuesday, July 11, 2017
Next meeting: August 2, 2017

INFRASTRUCTURE REPORT CARD
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.com.

CONTINUING EDUCATION
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:
• Assistant Program Administrator – City and County of Honolulu
• Civil Engineer V (Geotechnical) – City and County of Honolulu

Archery Tag Social
On Sunday, July 9th, 2017, YMF members and recent University of Hawaii graduates participated in an afternoon Archery Tag competition. Participants were divided into 10 teams of 6 to 9 members. Teams warmed up with a few friendly games before starting a single elimination bracket tournament to fight for first place. After four rounds of competitive play “Borderline Engineers” took the first place and second place went to “Arrowstolites”. The first and second place teams were awarded with an Archery Tag Hawaii gift certificate and a fashionable gold ASCE pin. Over 75 people participated in this event to fundraise enough money for an end of the year social. More details to come!

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

• Assistant Program Administrator – City and County of Honolulu
• Civil Engineer V (Geotechnical) – City and County of Honolulu

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TOP REASONS, from page 1

has been held at Palm Springs, California. It is condensed to two and a half days showcasing similar presentations with the very latest in project controls tools and techniques. The AACE Hawaii Section sponsored $500 for one member to attend the 2017 Western Winter Workshop.

Networking

In closing, people often ask the questions – “Why should I join?” and “What’s in it for me?” The responses are a wide range among professions. For me, I attended my first professional organization meeting and obtained an internship. This internship turned into a full-time job upon graduation with benefits to pay for my graduate school.

Networking and communicating is not easy for most. However, by regularly attending professional organization events it strengthens relationships with colleagues in your industry. I recommend being active within the HCES, find your niche, consider certification, and prosper.

AACE Hawaii Section

The local section was originally established in 1973. It achieved both the Platinum and Gold Award for three consecutive years 2014-2017. Our local area continues to achieve CCP, CEP, CST and PSP certifications. For more information, please visit http://web.aacei.org/certification and www.aacehawaii.com.

SWE Scholarship, from page 1

professional section and a student section at the University of Hawaii at Manoa. Together, SWE members in Hawaii have put on a multi-titude of education and outreach events for K-12 students, created networking and mentoring events for members, and given members the opportunity to attend the large SWE conferences that have grown to over 12,000 attendees representing 23 countries. The SWE-HI section hosted a very successful regional conference at the Sheraton Waikiki in 2012 showcasing Hawaii’s businesses, colleges, and engineers, as well as bringing the national and international field of engineering to Hawaii for its members and the community to grow from.

In recognition of and gratitude for Mae’s contributions to inspiring other women to pursue engineering as a career, SWE-HI is leading an effort to create the Mae Nishioka Scholarship. With a one-time fundraising goal of $30,000, this scholarship fund will create a legacy to benefit future generations of Hawaii engineers. Donations can be made to the Mae Nishioka Scholarship fund by submitting a check to the “Society of Women Engineers - Hawaiian Islands” with the notation of “Scholarship fund.” Checks can be mailed to SWE-Hawaiian Islands, P.O. Box 330708, Kahului, HI 96733. Your donations are tax deductible. Please contact Kristen Yoshida at kyoshida@bchdesign.com with any questions.

ASCE, from page 6

• 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 Crawler
• Project Geotechnical/Geological Engineer – Hart Crawler
• Project Manager – Kennedy/Jenks Consultants
• Staff Engineer (Honolulu Office) – Kennedy/Jenks Consultants
• Staff Engineer (Honolulu 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.

Professional Directory

Tim Waite, P.E.
Sales, Engineer
Mobile: 808-479-1216
Email: twaite@strongtie.com
Simpson Strong-Tie Co., Inc.

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