VOL. 50 NO. 6

**SERVING 2000 ENGINEERS & LAND SURVEYORS** 

AUGUST, 2014

## **HSPE Opposes Keauhou Aquifer Designation**

By Marc Botticelli, P.E.

President, Kona-Kohala Chapter, Hawaii Society of Professional Engineers.

Last year, as President of the Kona-Kohala chapter of the Hawaii Society of Professional Engineers, I was introduced to an issue that has the potential to negatively impact most of the residents of Kailua-Kona on the Big Island of Hawaii. The National Parks Service is petitioning to designate the Keauhou aquifer as a Water Management Area. After studying the issue for most of the year, we stand unanimously opposed to this petition.

NPS Petition is Premature: The National Park Service (NPS) has not provided data that substantiates degradation of the aquifer. They talk about the precautionary principle and that there might be impacts. After having control of the park since the 1980s, I would expect that if there were impacts to the aquifer, they would have conclusive evidence. They have not provided this data. In fact, the data that we have reviewed drawn from on-going sampling studies suggests otherwise.

Impacts to the Kona Community Development Plan: The West Hawaii Community participated in the development of the Kona CDP. This effort has been in process for the last eight years and was adopted as a County Ordinance in 2008. The NPS did not participate in this process and did not provide testimony that there were impacts to the aquifer. The community has determined that growth in our community should extend north from Kailua Village, as evidenced by the locations of the transit oriented development and traditional neighborhood development nodes (TODs/TNDs) along the Ane Keohokalole Hwy corridor. For the NPS to not participate in this process and then raise issues in 2013 is improper and not timely.

Impacts to West Hawaii's economy: The NPS has shown by their actions that they are opposed to improvements in our economy. Members of the National Parks Service staff have co-authored an article in which they outline how they might intentionally use existing State/County laws to enable the NPS to stop urbanization in/around the National Park. "Lessons Learned" from that article is a recipe that they have consistently followed to stop urbanization and the Kona Community Development Plan. It is the same protocol they are now following in their efforts to designate the Keauhou aguifer. Note that this article was written in 2003; 11 years ago. This suggests that this petition is largely a move to stagnate our economy.

Delays to State Projects: When the lao

aguifer on Maui was designated by the State Commission on Water Resource Management (CWRM) in 2003, all existing water users had to re-apply to CWRM for their well use permits. It is now 2014 (11 years later) and CWRM has not completed its review/approval of all existing well use permits. The processing delays were due to the time consuming process, when parties intervene. This means that after 11 years, Maui County is not able to consider providing water to any **new** uses (until the existing uses are resolved). A similar impact in North Kona would be devastating. If designated, all of the proposed projects in our community would be delayed for a similar period (till at least 2025). As the NPS has stated, they have a public trust responsibility to intervene in all planned water uses around the Park. So, they will intervene in each of the existing well use permit applications before CWRM and delay their approval.

Until these **existing** uses are resolved, all **new** uses would be delayed. This would include the Hawaii Community College at Palamanui, the new Judiciary complex, the NELHA expansion, Kona International Airport expansion, all affordable housing projects (including the HHFDC/Kamakana Villages project), DHHL Laiopua Village 4, the new Kona hospital, all new schools and the County Regional Park. These are the consequences of designating this aquifer.

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http://www.hawaiispe.org/

## 2013-2014 Officers and Directors

## HSPE Officers, 2014 to 2015

Darren Okimoto President
dokimoto@wsue.com
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curt137inverse@yahoo.com
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Barry Nakamoto Educational Foundation barry.nakamoto@heco.com

Marc Botticelli Kona-Kohala President marc@wrsasolutions.com

Mandy Saito Maui Chapter Director

mandy@femaui.com

## A MESSAGE FROM THE ACEC HAWAII PRESIDENT

by William H.Q. Bow, P.E.

July 1 was the start of a new ACEC Hawaii fiscal year. It is my privilege to lead this distinguished organization this year. We had a very successful 2013 -2014 year under the leadership of Beverly Ishii-Nakayama, and I would like to thank her for all her hard work. I would also like to thank the new Board, in advance, for all their support and time to make this a GREAT Year!

My goals for the 2014 – 2105 year are as follows:

- 1. Increase membership by 3% this year.
- Encourage members to bring potential members to our general membership meetings.
   We will be recognizing your guests at these meetings.
- Promotion of the benefits of being a member of ACEC Hawaii.
- Plan events to provide training in the "business of engineering" for our member firm's middle managers.
- 5. Launch our new and improved Website.
- Promotion of a positive and proactive image on our engineering companies.
- 7. Promote and announce the achievements of our member companies, starting at the General Membership Meetings.
- 8. Continue to work for "fair and equitable" engineering contract language.
- 9. Update of the ACEC Hawaii Strategic Plan; last updated in 2002.

## TWO ACEC HAWAII PAST-PRESIDENTS INDUCTED AS FELLOWS of ACEC

are extremely proud to announce that ACEC recently accepted ACEC Hawaii's nominations to promote Janice Marsters and Katahira to the membership grade of Fellow of ACEC. An honorary ceremony for new Fellows will be part of ACEC's annual fall conference, held this at the Hilton Waikoloa Village in Kona, Hawaii from October 22 -25, 2014.

The following are some attributes and eligibility requirements that ACEC considers when determining worthiness of a nominee:





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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.



### HAWAII COUNCIL of ENGINEERING SOCIETIES

P.O. Box 2873 HONOLULU, HAWAII 96802

HOME PAGE: http://hces.us

## 2014-2015 OFFICERS

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Treasurer: Stephanie Doan

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SWE UHM CoE	C. Jow S.K. Choi	

## HSPE, from page 1

The Keauhou aquifer, which provides potable water to the bulk of the population along the Kona Coast, is currently being drawn on at a rate of 14 mgd, while it is capable of providing 38 mgd. All scientific evidence suggests that there have been no negative impacts to the aquifer as a result of this draw. Fresh water is a Public resource that all residents are entitled to. Designating the Keauhou aquifer would only serve to wrest control of that resource from the many to the very few. The Kailua-Kona Chapter of the Hawaii Society of Professional Engineers feels that this petition to designate is at the very least, terribly premature.

## ACECH, from page 1

- academic and professional qualifications and accomplishments demonstrating notable contributions to the objectives of ACEC
- Service as principal of an ACEC member firm for not less than five years;
- Service as an ACEC officer, director, or active Committee member, and service to a Member Organization as an officer, director or Committee Chairman
- Notable contributions to the objectives of ACEC in more than one of the following categories: Administrative Leadership; Design; Science; Literature; Education; Service to the Profession; Outstanding Civic Leadership

Hawaii's two new Fellows embody the above-described characteristics of an ACEC Fellow. Both have served as Presidents of ACEC Hawaii and as National Directors, and they continue to be extremely active and make notable contributions to the objectives of ACEC and ACEC Hawaii.

Janice is a senior environmental engineer with Kennedy/Jenks Consultants. She currently chairs the national ACEC Risk Management Committee and she serves as Co-Chair of the ACEC Hawaii Legislative Committee, one of ACEC Hawaii's most hard-working and influential committees.

John is President of The Limtiaco Consulting Group. He currently serves on several local ACEC Hawaii committees, including serving as Co-Chair of the ACEC Hawaii 50th Anniversary Committee.

Please join us in congratulating and thanking Janice and John!

## TWO STUDENTS FROM HAWAII WIN ACEC NATIONAL SCHOLARSHIPS

Each year ACEC offers national scholarships to students enrolled in accredited engineering programs. For the 2014 academic year, ACEC Hawaii accepted nominations from students of the University of Hawaii (UH); and non-UH students who intern with, or have a parent employed by, an ACEC Hawaii member firm. Six qualified nominations were received by ACEC Hawaii this year. We are proud to announce that two of ACEC Hawaii's nominees won national scholarships, making them the 1st ever awardees that were nominated by ACEC Hawaii.

James Yokoyama (University of Hawaii) is this year's recipient of the \$1,500 Council American Structural Engineers Scholarship and Elise Takebayashi (University of Southern California) is this year's recipient of the \$5,000 ACEC/Life Health Trust Scholarship. James and Elise will be honored for their scholarship awards at ACEC's annual fall conference, which will be at the Hilton Waikoloa Village in Kona, Hawaii from October 22 -



ACEC is proud of the hard work these students have put forth and we look forward to the contributions that these students will make in

the engineering community.

ACEC Hawaii will soon be accepting nominations for next year's scholarship program. For more information please see upcoming issues of Wiliki O Hawaii or contact Joe Kwan of the Limtiaco Consulting Group at (808) 596-7790

### GOT A GREAT PROJECT? 2015 ENGINEERING EXCELLENCE AWARDS

ACEC Hawaii is accepting nominations for the 2015 Engineering Excellence Awards (EEA) Competition. Nominated projects will be evaluated based on judging criteria of uniqueness and originality; technical value to the engineering profession; social and economic considerations; complexity; and meeting or exceeding owner/client needs.

See below for important dates and dead-lines:

- September 5, 2014: Deadline to submit Intent to Enter Form and Entry Fee to ACEC Hawaii
- October 31, 2014: Deadline to submit nomination package to ACEC Hawaii
- January 18, 2015: EEA Awards Banquet Contact Ginny Wright at gwright@ acechawaii.org for information and a nomination package.

## 50TH ANNIVERSARY TRIVIA QUESTION OF THE MONTH

To help celebrate our 50th anniversary in 2014, an ACEC Hawaii 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: Janice Marsters and John Katahira recently became the 8th and 9th members from Hawaii to reach the ACEC membership grade of Fellow. How many other Fellows from Hawaii can you name?

Answer to the previous question: The most recent year that ACEC Hawaii played host to the ACEC National Convention was 2007 (held on Maui that year).



P.O. Box 88840 Honolulu, HI 96830 Website: www.acechawaii.org

## Officers for 2013-2014 2014-2015 Board of Directors

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## 2013-2014 ASCE HAWAII SECTION OFFICERS Office Name Phone

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email: glenn@mkellc.com
Vice Pres: Benjamin Rasa, P.E. 497-6209
email: ben@tapestrypartners.net

Secretary: Timothy Goshi, P.E. 791-3966

email: tgoshi@kaihawaii.com

Treasurer: Lara Karamatsu, P.E. 566-2227

email: karamatsu@pbworld.com

Immediate
Past Pres:
Ian Arakaki, P.E. 596-7790
email: ian@tlcghawaii.com

YMF President: Jason Sugibayashi, P.E. 237-3218 email: jsugibayashi@ascehawaiiymf.org

#### **AUGUST DINNER MEETING**

Information regarding the Joint Meeting with AWWA on August 13th, 2014 will be forthcoming. Please see *www.ascehawaii.org* for more details.

We would like to thank Bowers + Kubota for their sponsorship of the July Dinner Meeting. For sponsorship opportunities, please contact Ben Rasa at 497-6209 or ben@tapestrypartners.net.

## 12th ANNUAL ASCE HAWAII GOLF TOURNAMENT

The 12th annual ASCE Hawaii Golf Tournament in honor of Steve Fong will be held on Friday, August 8th 2014 at the Pearl Country Club. Please visit our website for more details http://ascehawaii.org.

## FY15 ASCE HAWAII SECTION OFFICERS ELECTIONS

The following ASCE Hawaii Section members are candidates on this year's ballot for the 2014-2015 Hawaii Section officer positions.

- President-Elect: Benjamin Rasa, P.E.
- · Vice President: Tim Goshi, P.E.
- Secretary: Lara Karamatsu, P.E.
- Treasurer: Eric Arakawa, P.E.

Glenn Miyasato, P.E who was elected to the position of President-Elect in September 2013, will lead the Hawaii Section as its FY15 President. Ben Rasa. Tim Goshi and Lara Karamatsu are current Hawaii Section officers who are being nominated to succeeding officer positions. The ASCE Hawaii Section FY15 candidate for the position of Treasurer is Eric Arakawa, P.E. Eric is a Civil Engineer at The Limtiaco Consulting Group. He is currently serving as the ASCE Hawaii Section Membership Chair and Hospitality Co-Chair. Previous ASCE positions include Younger Member Forum (YMF) Past President, YMF President, YMF Vice President, YMF PE Refresher Course Chair, and YMF Wiliki Chair. He holds a B.S.C.E. and a M.B.A. from the University of Portland and is a registered Civil Engineer in Hawaii.

Elections will take place at the August Dinner Meeting.

### **ASCE NATIONAL OFFICERS ELECTION**

Voting for 2013-2014 ASCE National Officers are now open! Don't forget to vote by August 13th. To vote please visit the ASCE National website for more details <a href="http://www.asce.org/Elections/">http://www.asce.org/Elections/</a>

### ASCE HAWAII SECTION PROJECT AWARDS AND OUTSTANDING CIVIL ENGINEERING ACHIEVEMENT AWARDS (OCEA) NOMINEES NEEDED!

ASCE Hawaii Section will be having our annual awards banquet on September 27th, 2014 at HASR Bistro. In addition to honoring the traditional OCEA Award Winning project, the ASCE Hawaii Section would like to honor and provide accolades to numerous other projects that would be selected for the following categories:

- Large Project (>\$10M)
- Medium Project (<\$10 M but >\$2M)
- Small Project (<\$2M)
- Green Building
- Transportation



Hawaii Section — Younger Member Forum Web site: http://www.ascehawaii.org/ymf.html

#### 2013-2014 YMF Officers

President Jason Sugibayashi, P.E. 537-9971 jsugibayashi@ascehawaiiymf.org Vice-President Puna Kaneakua, P.E. pkaneakua@ascehawaiiymf.org Secretary Amanda Tanaka, P.E. atanaka@ascehawaiiymf.org Treasurer Norman Leong, P.E. nleong@ascehawaiiymf.org Past President Kurt Nagamine, P.E. knagamine@ascehawaiiymf.org Student Chapter President Michelle Chinen, asce@hawaii.edu

### YMF General Meeting

The next YMF general meeting is scheduled for Wednesday, August 6, 6:00 p.m. at Armbar Sports Bar and Grill. If you are interested in attending to find out what the YMF is all about, contact YMF at ymf.hawaii@gmail.com.

#### Manoa Falls Trail Hike By Austin Wong and Emily Dong, Social Chairs

On Saturday, June 14, 2014, ASCE YMF Hawaii hosted a social hike at Manoa Falls Trail. YMF ASCE was also joined by the University of Hawaii: Manoa Student Chapter as well, totaling over 15 over hikers. Water and trail mix bars were provided. The maintained trail starts from a paved road to the base of Manoa Falls in back Manoa Valley. Manoa Valley is known to be very wet and everyone safely made it around the slippery rocks and mud in the trail, as well as braved all the mosquitoes. The lush vegetation and Manoa Stream were reminders how lucky and close we live to nature. Thanks for all who came out!



One of the largest hiking groups we've had and we all made it to the Falls!

- Water/Wastewater/Environmental
- Building/Structural/ Systems
- Studies and Research
- Special Projects
- Humanitarian Project
- International Project

Nominations will be due Friday, August 8th, 2014. Please visit our website www.asce-hawaii.org to download an application form and for further details or contact Ben Rasa at 497-6209 or ben@tapestrypartners.net.

### **EXECUTIVE COMMITTEE MEETING**

Last held: July 10th, 2014 Next meeting: August 7th, 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 <a href="http://ascehawaii.org">http://ascehawaii.org</a> 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 lan Arakaki at 596-7790, 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
- Civil Engineer IV City and County of Honolulu
- Civil Engineer V City and County of Honolulu
- Mechanical Engineer IV City and County of Honolulu
- Civil Engineer V SSFM International
- Solution Sales Engineer Pacific GPS

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 <a href="http://www.ascehawaii.org/jobs.htm">http://www.ascehawaii.org/jobs.htm</a>.



Engineers Without Borders - Honolulu http://www.ewbaloha.org

### 2012-2013 Officers

President: Wesley Wong President-Elect: Alyssa Smith Secretary: Erin Allmann Treasurer: Chad Livingston Events Chair: Omar Razvi Fundraising Chair: Brett Updyke Membership Chair: Sumon Kanpirom



### CMAA Hawaii Chapter

http://hawchapter.cmaanet.org

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President	Tim Bramsen	836-7787	
	president@cmaahawaii.c	esident@cmaahawaii.org	
Vice Pres	Dustin Timm	256-2020	
	vicepresident@cmaahawaii.org		
Treasurer	Jeff Clark	839-0646	
	treasurer@cmaahawaii.oi	rg	
Secretary	Derek Mukai	531-4252	
	secretary@cmaahawaii.o	irg	
Director	Bill Thornton		
	director@cmaahawaii.org	9	
Past President	Mike Young 836-7787		
	hawaii.cmaa@gmail.com		

#### News:

On Saturday July 12th and Saturday July 19th, The CMAA Hawaii Chapter assisted the Hawaii Chapter of Engineers without Borders with their Halawa Xeriscape Tire Wall Project for the Board of Water Supply. Below is a picture of CMAA Hawaii members Nate Hermundson and Lana Moe hard at work.



Just a reminder that our chapter is here for all Construction Engineering and Management professionals.

### Upcoming chapter events for the end of summer and fall include:

- We will have a Hale Hilina'i Community Service event in mid-August help prepare a room for use by a hula halau.
- The CMAA Professional Construction Management Class will be held August 11-14 at Honolulu Community College.
- · Our September luncheon will feature a speaker from the Department of Health regarding Contaminated Soils.
- Our 3rd Annual Scholarship Golf Tournament is coming up on October 3rd at Coral Creek Golf Course. Registration and Sponsorship Opportunity information will be available soon.
- The CMAA National Conference will be in October 19th - 21st in San Francisco this vear.

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.



## STRUCTURAL **ENGINEERS ASSOCIATION** OF HAWAII

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

### 2014 BOD OFFICERS AND DIRECTORS

Position	Officer	Phone
President	Ethan Okuna	945-0198 x103
Vice Pres.	Fernando Frontera	781-2802
Secretary	Evan Mizue	387-2346
Treasurer	Jimmy Lam	223-3638
Dir. (Yr 2)	Paul Kane III	537-2811
Dir. (Yr 2)	Tim Waite	479-1216
Dir. (Yr 1)	Rodney Haraga	782-8661
Dir. (Yr 1)	Michael Kasamoto	589-1170
Past Pres.	Brian Kung	488-7579

## HIGHLIGHTS OF BOD MEETING

July 2, 2014

## **Committee Reports**

General Membership Meetings/Technical Seminars/Events

- August 23, 9:00 am: VERY IMPORTANT SEAOH GENERAL MEMBERSHIP MEETING at Disney Aulani Hotel. Board of Directors is updating the SEAOH Charter and Bylaws and plans to lead an open discussion with membership regarding the potential revisions at this meeting. There are discrepancies within our current governing documents and issues with current State laws. The last update to the Bylaws was performed in 1990; the Charter was written in 1973 and has never been updated.
- August 22-23: SEAOH Annual Convention 2014 at Disney Aulani Hotel. Features a halfday technical session on Friday (includes lunch), Friday night dinner, and Saturday breakfast. A general membership meeting will be held on Saturday morning and is open to all members. Those interested in golfing can enter the 2-man scramble event on Saturday afternoon. Registration forms and additional information available on the SEAOH website. Deadline for registration is August 1. Special room rates at the Aulani Hotel will be available through July 21.
- Seismic Steel Braced Frame Seminar (October 23, 2014): Seminar on design concepts and connections developed by AISC with Rafael Sabelli (speaker). Registration info will be sent out soon

#### Nominations for 2015 SEAOH Board of Directors:

WE WANT YOU! SEAOH is looking for enthusiastic members to participate in the stewardship of our organization. Please contact E.Okuna if you have interest or would like to nominate a fellow member to serve on next year's board (945-0198 x103. eokuna@cshengineers.com). We're actively seeking volunteers or nominees for Vice President, Secretary, Treasurer, and Director.

### Structural Special Inspections:

SEAOH Special Inspections Subcommittee has begun meeting with the Honolulu Department of Planning and Permitting to explore instituting IBC special inspection requirements and a potential update of the special inspection form. Changes could affect all of us. If you have opinions on the future implementation and enforcement of special inspections, please contact Ms. Kulia Boerstler (808) 534-1300, or any member of the Board.

### **SEAOH Scholarship Opportunities:**

Look out! SEAOH will be announcing scholarship opportunities for members and their families will be coming soon.

#### **New Member**

The following membership applications have been accepted:

- Gaur Johnson, University of Hawaii, Member
- Travis Perkins, Kai Hawaii, Allied Member
- · James Yokoyama, U of Portland, Student Member
- · Victor Cheung, U of Washington, Student Member

#### **New Member Applications**

Applications from the following have been received and are open for comments from the membership:

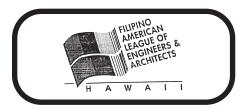
- Corey Yamashiro, Consulting Structural Hawaii, for Allied Membership
- · Schad Woods, Bonded Materials Co, for Affiliate Membership

#### Missing Members

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

### **Next Meeting**

The next SEAOH Board of Directors and Officers meeting will be held on Wednesday, August 6, 2014. Contact SEAOH President Ethan Okuna (945-0198 x103, eokuna@ cshengineers.com) for more information.



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

## Officers/BoDirectors for 2012-2014

President: VP/Pres-Elect: Secretary: Treasurer: Ass't Treas.: Auditor: Bus. Manager: Press Rel. Off: Past President: HCES Rep:

Alternate:

Jeoffrey S. Cudiamat, PE Francisco T. Cruzata, AIA Krizelle Jane C. Mabuti Riza Marie R. Gatdula Maritez A. Marquez Nicolo Orense, PE Lei Racel P. Jaramilla John C. Ramos, PE Elvira Sutherland Suzie S. Agraan Gene Albano



## Structural Engineer (GS-12)

Design buildings and waterfront facilities, prepare engineering studies and analyses, lead exciting in-house design projects, and provide oversight and management of structural designs prepared by engineering firms under contract.

To express interest please contact the NAVFAC Pacific Structural Engineering Branch (808) 472-1278



## STRUCTURAL SYSTEMS, INC.

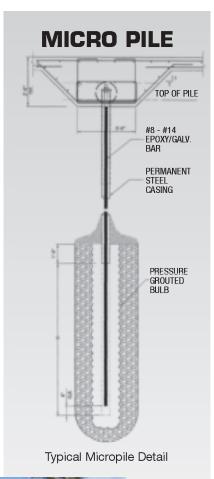
## General Engineering • Foundation Systems • Micro Piles

**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.

## Capabilities, Benefits & Advantages

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- 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.



## STRUCTURAL SYSTEMS, INC.

General Engineering

P.O. Box 30296 Honolulu, HI 96820 Telephone: (808) 845-2474 Fax: (808) 847-2966 Email: structurs001@hawaii.rr.com website: WWW.SSIHAWAII.COM



### Hawaii Section 2014-2015 OFFICERS

www.aacehawaii.org

President Kristy Kastner, PSP
Vice President Greg Treese
Secretary Maelyn Uyehara
Treasurer Cristo Rojas
Director of Certification
Stephen Jacobson, CCP
Director of Communications
Joseph Uno, LEED AP BD+C
Director of Membership/Webmaster
David Ladines

"Risk Assessment from the Cost Estimating Perspective" will be presented by Robert (Bob) Wells, Senior Cost Estimator of CH2M Hill. This is scheduled for our next Section Meeting on Friday, August 1, 2014 at 12 noon. Please RSVP by July 30, aacehawaiisection@gmail.com.

The Hawaii Section received the Gold Section Recognition Award in June 2014. This was a momentous year after reinstating the Section. The local board was active by updating bylaws, holding monthly board meetings and quarterly section meetings. This resulted in increasing membership by 30 percent. The Hawaii Section is working towards providing AACE certification training to the local area in the coming months. Please contact us, if you are interested aacehawaiisection@gmail.com.

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



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

### **EAH 2013- 2014 Officers**

President	Joseph Feind	543-4781
1st VP	Bill Brizee	523-9636
Treasurer	Aaron Erickson	591-2728
Secretary	Gary Yamamoto	485-2777
Past Pres	Howard Wiig	587-3811
Director	Dave Martin	543-4504
Director	Michael Albright	
Director	Andy Keane	531-3017

EAH's new meeting location is above the Mango Grill in the Topa Tower (Ewa tower on Fort Street ) of the Topa Financial Center (Old AMFAC Bldg). Take the elevator to the 3rd floor conference room. 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!!



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HCES Rep:	Derick Kam	
Alternate:	Derek Sato	

## NEXT ASME-HAWAII SECTION GENERAL MEMBERSHIP MEETING

Date: August 6, 2014 Time: 5:30 to 7:00 pm Place: HECO Ward Ave

Cafeteria Conference Room

Speaker: Edward Russell, Project Manager, Hawaii Center for Advanced Transportation Technologies (HCATT), speaking on a demonstration project to use PV to generate hydrogen as a fuel source to power hydrogen fueled vehicles used as part of Hickam AFB's fleet.

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

## HILITES OF JUNE 18 EXECUTIVE COMMITTEE MEETING

- Meeting was held June 18, 2014 at Henry Loui's Restaurant, 2850 Paa Street in Mapunapuna.
- State Science Fair: Kevin Dang made a motion to donate to the State Science Fair. Motion was seconded and the vote was unanimous.
- Student Section: Derek Sato made a motion to make a donation to the Student Section.

Motion was seconded and passed.

- Other Business: Hawaii Section Schedule of Annual Events was reviewed and obsolete activities removed. Also, Hawaii Section Support Committee Chair listing was reviewed and changes made and accepted.
- Prospective speaker's list for future meetings was presented by Raymond Liu. Speakers included Edward Russell of HCATT and Battery Bill to speak about the latest technology in batteries. Russell will speak at our next meeting and Battery Bill will be asked to speak at the following meeting.

## ASME-HI SECTION 2014 P.E. REFRESHER COURSE NEWS

Congratulations to our P.E. Refresher Course participant, Reynaldo Dalmacio, Jr, and now P.E. Reynaldo is a Mechanical Engineer, Contracting Officer Representative, TAMC Utilities and Maintenance Section, US Army Corps of Engineers, POH.

### **KNOW YOUR ASCE HISTORY**

by C.S. Papacostas

#### **Opening of Cyclomere Park**

Charles S. Desky's Cyclomere Park, a track exclusively devoted to bicycle racing, opened on Oct. 23, 1897 with two meets, one in the afternoon commencing at 2:00 p.m. and another in the evening at 8:00 p.m. under 23 large 2,000 candle arc lights. Almost twice the 12 originally envisioned, they were powered by the Hawaiian Electric and Light Company. Walter C. Weedon, Desky's fellow employee at the Bruce Waring Co., was identified as a copromoter of the park and the company constructed a private pavilion on the grounds [Hawaiian Gazette, HG 10/19/1987].

Being the entrerpreneur that he was, Desky contracted "crackerjack riders" from the Coast "to be present at the opening of the track [HG 10/12/1897]. They were professional riders Allan W. Jones, Dan E. Whitman and George Sharrick (spelled alternately as Sharick and

continued on page 7



### 2014 Officers

ers	
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APWA National President Edward Gottko paid a visit to Hawaii Chapter in early July. His visit was a welcome break as he was returning from the International Public Works Conference held in Auckland, New Zealand.

Several board members welcomed Edward and Jean Gottko on July 1 and shared dinner with the weary travelers at the Willows restaurant. The following day, Mr. Gottko had the opportunity to tour various rail improvements in progress. These included viewing of the sup-

port columns, the guideway installation, the Waipahu maintenance yard, and the Kalaeloa concrete casting yard. Mr. Gottko also had the opportunity to tour the H-3 Harano Tunnel facility which included viewing of the traffic operations center, maintenance tunnels, cross-passages, and ventilation systems.

Special thanks are made to Darin Mar, Deputy Director with the Honolulu Authority for Rapid Transportation, and Clyde Morita, Tunnel Manager with the State Department of Transportation, for their assistance with the various tours.



Left to right: Vice President Tyler Sugihara, National President Edward Gottko, Delegate John Lamer and Education Committee Co-Chair Darin Izon atop the H-3 tunnel facility.

### ASCE History, from page 6

Sharack), amateur Trilby Fower and their manager, L. L. Conkling, the head librarian of the San Francisco Law Library [Hawaiian Star, HS 10/21/1897]. General admission for the "International Bicycle Meet" was set at two bits (25 cents), whereas admission to the grand stand was set at 50 cents; individual tickets as well as "boxes for parties of six or nine" were available for sale at Wall, Nichol Co. and "'busses [read, "omnibuses"] run to the gate."

To further spur interest, Cyclomere manager Clement invited "Everett Turner, the Hilo 'surprise' [who claimed] the fastest record from the Volcano house to Hilo" to face "Manoa Wonder" John Sylva in the opening meet. Turner declined but wrote nevertheless that "he stands a fair chance among the cracks of Honolulu [HS 9/21/1897]." Manoa Wonder and other Honolulu riders were training in town and were seen "speeding on the Waikiki road every afternoon [Evening Bulletin, EB 9/4/1897].

On Oct. 20, 1897, the HS listed all "those who will compete" on opening day: They did not include Prince Cupid (Kuhio Kalaniana'ole) who had been an avid competitior earlier, nor any clearly Hawaiian names, even though The Independent had earlier argued that "it is unfair as it is foolish to the Cyclomere Bicycle Track to spread false rumors to the effect that Hawaiians will not be permitted to use it. Common sense should show that for a business speculation such a policy would be ruinous [8/17/1897].

Prince Cupid and party were listed, however, among the notable attendees among the more than two thousand people who partook of the amusement. Interestingly, the EB reported on 10/25/1897 that the announcer W. Nott "was equipped with a megaphone" but "the performer made blunders in nearly every announcement." He was replaced for the next tourney by a James W. Lloyd who acted as announcer with great satisfaction [EB 10/27/1897]." Incidentally, Prince Cupid entered the one-mile greenhorn race of the second meet, but did not show among the winners [The Indep. 11/2/1897].

On the inaugural day, local riders managed to win a few heats against the foreign "crackerjacks" but one or another of latter took all the finals and "Trilby Fowler delighted the audi-

Environmental Planners

ence with his trick riding [HG 10/26/1897]." After about a month of competing at the Cyclomere, Jones and Whitman decided to stay, the former having found employment with the Press Publishing Co., and the latter being placed "in charge of the bicycle department of Hawaiian Hardware Company's business [HG 11/16/1897]." He then began riding the Tribune bicycle that was being sold by his employer. Newspaper ads reveal that within a year, he first partnered with someone named Eakin to form the Tribune agency and later Whitman & Co. became the sole agent.

Racing events were scheduled on most Saturdays and on some Tuesdays until the end of the season in February 1898. On occasion, foreign riders who coveted cash prizes and side bets came to Honolulu to claim them. Among these were H. F. Terrill from the coast who, as I described three months ago in May 2014, had visited Honolulu for a road race in 1984; and the mercurial Will Martin (a.k.a. Bilmartin) from the Colonies (i.e. Australia) who was dubbed "The Plugger." Accompanying each of the meets were selected musical ensembles that entertained the audience between races. They included the Government (a.k.a. Royal Hawaiian) Band conducted by Heinrich "Henri" Berger, the Hawaiian Quintet (or Quintette), the Kamehameha Glee Club, and Miss Annie Kanoho whom the HG described as "a young Hawaiian girl who has been under the training of Professor Berger [11/17/1897].

To make a long story short, among the highlights of the season were the following:

Besides Prince Cupid, the first Hawaiian names among the competitors appeared in Dec. 1897. They were amateur A. K. Nawahi and youngster C. Holoua (variably spelled Haloua) who won the boys' (ages 14 to 17) race [HS 12/28/1897]. Both continued to participate and on occasion emerge victorious for several months.

As for Japanese and Chinese racers, a reference to them was announced in the list of upcoming events in Nov. 1987 that included "oriental race, provided not less than six entries are received [HG of 11/9/1897]." An actual run took place at the same meet where Holoua took the boys' trophy. Four Chinese named Ah Tuck, Ah Wai, Y.A. Young and H. Patrick competed among themselves in a half-mile race. In describing it, the HG [1/4/1898] said condescendingly, "four chinese boys started and rode the half [mile] the best they knew how." Ah Tuck was second to Patrick who went on to compete in regular races with the rest of the "legitimate" competitors.

At the same meet, the crowd expected to see "a well known Irish character and a Chinese merchant" to be "matched for a mile heat [HS 12/28/1897]," but this turned out to be a comedy routine featuring Jack (or Jock) McGuire and Henry Vierra impersonating an Irish (Dennis O'Rafferty) and a Chinese (Sam Soy) man in "appropriate constume [EB 1/3/1898]." They "kept the crowd laughing for 10 minutes [HG 1/4/1898]," and "both went into the lake a couple of times." At that racially conscious time, Americans held Irish immigrants to the same low esteem as they did blacks and Asians, and all three groups were often the butt of insensitive jokes.

Also on the same program was "Mike Miquel, a young Portuguese lad who is destined to become Honolulu's Trilby Fower," and who gave "a clever exhibition of trick riding."

From a business perspective, "opening of the Cyclomere has had the effect of increasing the value of Kewalo lots [HG 11/5/1897]" but immediately after the end of the regular racing season a newspaper story began with "owner proposes to do away with Cyclomere [HS

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 956csp@wiliki.eng.hawaii.edu). email Previous articles in the series may be found at the Section's web site. Just point your browser to http://www.ascehawaii.org.

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