

## University of Hawaii at Manoa College of Engineering Update

The College continues to benefit from the support of our alumni and friends and we greatly appreciate all of their efforts. Our engineering students use funds raised by our alumni to develop research ideas and to purchase equipment and supplies for these projects help to broaden the students' learning experiences. These dollars also support STEM (science, technology, engineering and mathematics) events for K-12 students, exciting them about the prospect of majoring in STEM subjects in college.

We are excited to have seven new faculty join the College. With retirements and resignations, faculty numbers were decreasing. In the fall semester, Darren Carlson, Bardia Konh and Guohui Zhang begin their teaching and research. Carlson will be jointly appointed in Electrical Engineering and the Academy of Creative Media. Konh will be a faculty member in Mechanical Engineering and his expertise is in medical devices. Zhang joins the Civil and Environmental Engineering Department and will be involved in transportation engineering.

In the spring of 2017, four more faculty will start at the College. Ningjun Jiang (Civil), Sangwoo Shin (Mechanical), Zhong Ju (June) Zhang (Electrical) and Yao Zheng (Electrical) have been hired. Jiang's interest lies in geotechnical engineering. Shin studies heat and mass transfer in small-scale systems. Zhang's research areas include network science and statistical signal processing. Zheng is working in information security and privacy, machine learning and cryptography.

### Upcoming Events

Come to a fun-filled evening on Friday, September 23 as we celebrate Holmescoming on the Holmes Hall lawn from 5:00 – 8:30 pm. Tickets are now available. Please visit <http://www.eng.hawaii.edu/news-publications/college-events-calendar/> for further details. DK Kodama from d.k Steak House & Sansei Seafood Restaurant & Sushi Bar is catering the ono food.

Also upcoming is the College's annual banquet on Friday, April 21, 2017 at the Hawaii Convention Center. We will be highlighting our student projects so please mark this date on your calendar.

### Faculty News

The University of Hawaii Board of Regents awarded David Garmire, Associate Professor of Electrical Engineering, a Medal of Excellence for Teaching. This medal is, according to the UH News, is "a tribute to faculty members who exhibit an extraordinary level of subject level mastery and scholarship,

teaching effectiveness, and creativity and personal values that benefit students." Garmire was nominated by a student and submitted a dossier including items such as his teaching philosophy, student evaluations, and courses taught along with recommendations from students and colleagues. This is the second teaching award for Garmire who has also won the Francis Davis Award for Excellence in Undergraduate Teaching. With respect to research, Garmire is a co-principal investigator for CyberCANOE (Cyber-enabled Collaboration Analysis Navigation and Observation Environment). CyberCANOE, according to UH News, "is a visualization and collaboration infrastructure that allows students and researchers to work together more effectively using large amounts of data and information." Designed by Jason Leigh from the Computer and Information Science Department (principal investigator for the CyberCANOE project), it will be the best data visualization and virtual reality system in the United States.

Wayne Shiroma, Professor and Chair of the Electrical Engineering Department, received the Peter V. Garrod Distinguished Graduate Mentoring Award. The award is given to a graduate faculty who demonstrates excellence in mentoring and honors Peter Garrod, who was a former dean of the Graduate Division. The selection committee looks at qualities such as teaching by example, fostering the development of graduate students' communication skills, providing career guidance, being accessible to students, promoting intellectual growth and critical thinking, among others.

Jingjing Li, Assistant Professor of Mechanical Engineering, won a National Science Foundation Faculty Early Career Award. It's one of the Foundation's most prestigious awards, given to junior faculty performing outstanding research and teaching. Li received \$500,000 to study "Surface Interactions in Dissimilar Material Joining Processes." Fusion-based welding techniques cannot be used on dissimilar materials as they will not bond so Li's project will, according to NSF, conduct "fundamental research on two-thermo-mechanical joining methods for dissimilar metals, namely magnetic pulse welding and friction stir blind riveting. Joining methods for dissimilar metals are in increasing demand as manufacturers are seeking creative new structures or components with tailored properties for lightweight vehicles, energy production, consumer devices, or next-generation medical and electrical products."

Tao Yan, Associate Professor of Civil and Environmental Engineering, discovered that microorganisms in kitchen grease traps may actually cause these traps to increase rather than decrease FOG (fat, oil and grease) deposits in sewers. Yan and his post-doctoral assistant Xia He found that these microorganisms may produce long chain fatty acids that cause the FOGs to harden and clog sewer pipes. These fatty acids cause stickier deposits which are harder to dislodge and cause concrete pipes to corrode more.

Bruce Liebert, Interim Associate Dean for Academic Affairs and Associate Professor of

*continued on page 7*



**Governor Ige and UH President Lasner wish Dr. Crouch a hearty "Aloha".**



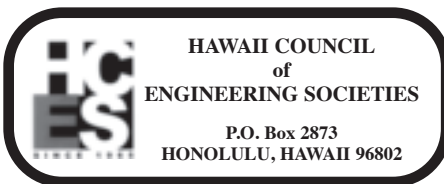
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**WILIKI MAILING LIST**

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>

**2016-2017 OFFICERS**

Chair: Stephanie Doan  
Chair-elect: Joanne Hiramatsu  
Secretary: Ken Kawahara  
Treasurer: Kristen Yoshida

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ACECH	K. Kawahara	
APWA	J. Hiramatsu	
ASCE	G. Miyasato	B. Rasa
ASHRAE	D. Kiahi	
ASME	D. Kam	D. Sato
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SFPE	S. Dannaway	
SWE		
UHM CoE	S.K. Choi	



Po Box 12204 Honolulu, HI 96828  
[www.uhalumni.org/leaaah](http://www.uhalumni.org/leaaah)

**2016-2017 Officers**

President: Neal Miyake  
Vice Pres: Anthony Paresa  
Treasurer: Dennis Toba  
Secretary: Rodney Chong



2540 Dole Street, Holmes Hall  
Honolulu, Hawaii 96822

**UHM College of Engineering Deans and Chairs**

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

**SAVE THE DATE!**

It's time for **HOLMESCOMING**, Hawaii's premier "friendraiser" event. We're bringing our engineering community back to Holmes Hall at UH Manoa for a casual evening of great food, drinks, and entertainment. It's a terrific stress-free opportunity to catch up with old friends and make new ones.

**9th Annual Holmescoming**

Friday, September 23, 2016  
5pm to 8:30pm  
Holmes Hall, UH Manoa Campus  
Sponsorships: \$1,500 (\$739 tax deductible. Comes with 10 tickets)  
Individual Tickets: \$130 each (\$55 tax deductible)

Make checks payable to UHF/COE and mail to:

2540 Dole Street, Holmes Hall 240  
Honolulu, HI 96822  
Attn: Jean Imada  
For information, 956-5112



**2016-2017 ITE Officers**

President: Sara Okuda  
[sara.t.okuda@hawaii.gov](mailto:sara.t.okuda@hawaii.gov)  
Vice Pres.: Chad Kadokawa  
[ckadokawa@wilsonokamoto.com](mailto:ckadokawa@wilsonokamoto.com)  
Secretary/ Treasurer: Claire Fukuoka  
[cfukuoka@atahawaii.com](mailto:cfukuoka@atahawaii.com)

The ITE Hawaii Section teamed up with the ASCE Hawaii YMF Section on Saturday, August 20 for an Adopt-a-Highway community service event. The Adopt-a-Highway event was ITE's third one this year and helped clean-up the roadside along Kahekili Highway in Kaneohe.



P.O. Box 88840  
Honolulu, HI 96830  
Website: [www.acechawaii.org](http://www.acechawaii.org)

**2016-2017 Board of Directors**

President - Corey Matsuoka, SSFM International  
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Treasurer - Sean Sugai, Ronald N.S. Ho & Associates  
Secretary - Ken Kawahara, Akinaka & Associates, Ltd.  
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Past President - Robin Lim, Geolabs  
Director - Garret Masuda, Insynergy Engineering, Inc.  
Director - Liana Choy, Sato & Associates, Inc.  
Director - Paul Matsuda, Group 70 International

**LETTER FROM THE ACECH PRESIDENT**

Written by Corey Matsuoka, P.E., PMP, LEED AP  
Innovation. Easy to say, but sometimes it can be hard to do. On August 11th, ACEC Hawaii hosted a meeting with Mr. Robert Kroning, Director of the Department of Design and Construction (DDC) and Ms. Lori Kahikina, the Director of the Department of Environmental Services (ENV) to discuss just that. In addition to the presentations provided by both directors, Wes Yokoyama (Acting Assistant Chief of Wastewater Division) joined to participate in a panel discussion where ACEC Hawaii members were allowed to ask tough questions. It was a refreshing discussion between the City and their consultants on how to work as a team to bring innovation and new ideas into their projects.

While ENV does a great job doing what they do, the majority of the time, that is the extent of their experience. They are only exposed to what they City & County of Honolulu does and has done. As consultants, we see solutions from many different municipalities and new technologies. What we need to do is to work with ENV and DDC to bring the best of what we see to Honolulu. That way, we (DDC, ENV and their consultants) can provide the best solutions for the community.

Thank you Mr. Kroning and Ms. Kahikina for sharing your vision and expectations of your design consultants. We will continue to strive to meet or exceed them.

Corey Matsuoka, P.E., PMP, LEED AP  
ACECH President (FY 2016-2017)

**Deadline for  
Wiliki  
is September 15th**



### CMAA Hawaii Chapter

<http://hawchapter.cmaa.org>

#### 2016 Hawaii Chapter Officers

President: Bill Thornton (Ledcor)  
*President@cmaahawaii.org*  
 Vice Pres: Chandra Namumnart  
 (EKNA Services)  
*Vicepresident@cmaahawaii.org*  
 Secretary: Craig Williamson (Bowers+Kubota)  
*Secretary@cmaahawaii.org*  
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*Treasurer@cmaahawaii.org*  
 Past President: Derek Mukai  
 (Community Planning & Engineering)  
*Hawaii.cmaa@gmail.com*  
 Directors: Tim Bramsen (Bowers+Kubota)  
 Mike Young (Bowers+Kubota)  
 Jeff Clark (Fluor)

#### 2015 Mehdi Heydari CCM of the Year Award

The Mehdi Heydari CCM of the Year Award program is designed to recognize and commend the culture of certification within the construction management industry. This award provides an opportunity to ensure deserving colleagues are recognized for various achievements throughout their careers. One certified individual who has demonstrated excellence and professionalism is selected on a yearly basis and recognized at the CMAA National Conference.

**Big news! Our own Mr. Chris Takashige has been awarded the Mehdi Heydari National CCM of the Year Award.** This is a very prestigious honor that is bestowed on a Construction Manager who has demonstrated out-



standing excellence and Professionalism. This is the first time that the award has been given to a representative from Hawaii. We at CMAA are very proud that Chris has been recognized at the National level for the contributions that he has made to our industry here in Hawaii.

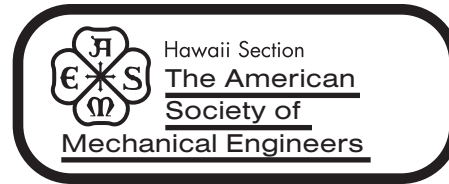
August saw our Chapter hold our 4th Professional Construction Management Course- (and the first one that we have sold out). 32 attendees participated in the 3 day training class held at HCC. If you could not get a seat, we apologize, but we intend to hold the class again next summer so stay tuned for information as we approach that date and sign up early to ensure a seat!

Another important facet of expanding the role of the CM in Hawaii is the support of our next generation of Construction Managers. Your Hawaii CMAA Chapter has been very busy planning our Chapter's 6th Annual Golf Tournament which funds scholarships for our CM students as well as our chapter's yearly events and activities. This year's tournament has been confirmed for Sept. 30th at Coral Creek Golf Course in Kapolei. We look forward to seeing you there for another great tournament.

Please join us and be a part of our Ohana! Our chapter is here as a resource for all Construction Engineering and Management professionals, and the things that we do benefit not only our CM community but our larger Ohana as well.

If you have any questions regarding any of our upcoming events, would like to join our Ohana and become more involved with the CMAA Hawaii Chapter or would simply like to be added to our email list, please email us at [hawaii.cmaa@gmail.com](mailto:hawaii.cmaa@gmail.com), or at our mailing address; CMAA Hawaii, PO Box 531, Honolulu, HI 96809.

Looking for a CCM? The current listing for all Hawaii CCMs can be found here: <https://cmaanet.org/certified-construction-managers-registry>



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

#### ASME-HI 2015-2016 Officers

Chairperson	Derek Sato <i>Derek.sato@hawaiianelectric.com</i>	543-4108
Vice-Chair	Derick Kam <i>derickFPE@gmail.com</i>	
Secretary	Victor Russell <i>dsaengr@aol.com</i>	
Treasurer	Kevin Dang <i>dangk001@hawaii.rr.com</i>	737-1708
Past-Chair	Kory Ikeda	
HCES Rep:	Derick Kam	
Alternate:	Derek Sato	

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

Date: October 19, 2016  
 Time: 5:30 pm to 7:00 pm  
 Place: HECO Ward Ave Cafeteria Conference Room

All members are invited and encouraged to attend our meetings. There are always lots of free pizza and soft drinks. Please contact Chairman Derek Sato for directions and for more information, such as parking within Hawaiian Electric's Ward Avenue facilities.

#### HILITES OF OUR AUGUST 10, 2016 GENERAL MEMBERSHIP MEETING

The meeting was called to order by Chairman Derek Sato, in Hawaiian Electric's Ward Avenue Cafeteria Room 2. Attending were Kevin Dang, Victor Russell, Abel Siu Ho, Donovan Macanas, Caton Gabrick, and Derek Sato. The following is what transpired:

#### STUDENT SECTION REPORT:

- The 2016-2017 officers listing submitted to ASME included Karen Calaro - President, Sean Grant - Vice President, Donovan Macanas - Treasurer, Tina Li - Secretary, Kristen Monico - Historian, Caton Gabrick - External Events Representative, Naftali Tolibas - Events Chair, Christopher Gacsun - Financial Committee, and Rodel Edra - Webmaster.
- UHM Holmescoming on September 23, 2016: Student Section will again have a booth and invites senior members to meet and mentor students.
- Car wash is planned for October. Details are being worked on.
- Freshman Challenge: Student Section is seeking upper class engineering students to mentor students in Engineering 100 design project, providing engineering principle and project management guidance.

#### UHM DEPARTMENT OF MECHANICAL ENGINEERING REPORT - Provided by Dr. Zac Trimble:

- DME has hired two new professors, one for

Thermofluids and one for Mechanics. ABET was informed of the additional staff and lab space for the DME full 6-year ABET accreditation.

- The Fall 2016 semester ME student enrollment is approximated at 380. To accommodate the large enrollment all lab courses have been combined with their respective theory courses.
- Two professors departed for new jobs. Brian Bingham is now at the Naval Postgraduate School, and Jingjing Li is now at Penn State.

#### ASSIGNMENTS FOR ASME FROM HCES:

- HCES Promotional Items: ASME is editing graphics for proposed promo items. Next step is to obtain a minimum of two price quotes for the items. Pens and Post-it Notes are possible promo items.
- HCES Brochure or Pamphlet for Promotional Purposes: Draft of brochure mainly for con-

*continued on page 5*



#### HAWAII CHAPTER OFFICERS

President: Robert Bigtas  
 S.S. Dannaway Associates  
*rbigtas@ssdafire.com*  
 Vice President: Derick Kam  
 Thermal Engineering Corporation  
 Secretary: Ferdi Guinto  
 Lohaus and Associates  
 Treasurer: Sam Dannaway  
 S.S. Dannaway Associates  
 Director: Mel Harano  
 Thermal Engineering Corporation  
 Director: Bob Lohaus  
 Lohaus and Associates



The Hawaii Chapter of the Society of Fire Protection Engineers is sponsoring this excellent three-day seminar through a special arrangement with the National Fire Protection Association.

Sponsored by: **HAWAII SFPE**

Date & Time: Three-day Seminar **Monday November 7 to Wednesday November 9, 2016**

8:00 AM - 5:00 PM each day

Registration on Monday is at 7:30 AM

Location: **Hale Ikena, Fort Shafter Golf Clubhouse**

Cost: **\$ 1295 per person.**

**The following discounts apply for registrations submitted before October 21, 2016**

- **\$1195** for SFPE Members and Chapter Friends
- **\$ 995** per person for organizations that send 3 or more persons

For information contact: Sam Dannaway, Program Chairman, Hawaii Chapter SFPE, Tel (808) 526-9019 / Email: [dannaways@coffman.com](mailto:dannaways@coffman.com).

#### ONLINE REGISTRATION & PAYMENT AVAILABLE AT

<http://sfpehawaii.memberlodge.org>



### 2015-2016 ASCE Hawaii Section Officers

President:	Ben Rasa, P.E. email: <a href="mailto:brasa@ascehawaii.org">brasa@ascehawaii.org</a>
Pres.-Elect:	Tim Goshi, P.E. email: <a href="mailto:tgoshi@kaihawaii.com">tgoshi@kaihawaii.com</a>
Vice Pres.:	Lara Karamatsu, P.E. email: <a href="mailto:lkaramatsu@ascehawaii.org">lkaramatsu@ascehawaii.org</a>
Treasurer:	Eric Arakawa, P.E. email: <a href="mailto:earakawa@ascehawaii.org">earakawa@ascehawaii.org</a>
Secretary:	Jason Kage, P.E. email: <a href="mailto:jkage@ascehawaii.org">jkage@ascehawaii.org</a>
Past Pres.:	Glenn Miyasato, P.E. email: <a href="mailto:gmiyasato@ascehawaii.org">gmiyasato@ascehawaii.org</a>
YMF Pres.:	Amanda Tanaka, P.E. email: <a href="mailto:atanaka@ascehawaiiymf.org">atanaka@ascehawaiiymf.org</a>

### CORRECTION!

The August edition of this publication indicated that the OCEA Awards Banquet would be held on September 23, 2016. This date is incorrect. The correct date for the OCEA Awards Banquet is Thursday, **September 29, 2016** at The Pacific Club. We apologize for any confusion.

### OCEA AWARDS BANQUET

At the 2016 Outstanding Civil Engineering Achievement Awards Banquet, various awards will be given to those projects that demonstrate innovative and outstanding civil engineering accomplishments by Hawaii's design and construction professionals.

<b>Date:</b>	Thursday, <b>September 29th, 2016</b>
<b>Location:</b>	The Pacific Club
<b>Time:</b>	5:00p.m. - 6:15p.m. Project Poster Viewing (5:45p.m. Installation of the FY16 ASCE Hawaii Section Officers) 6:15p.m. - 7:30p.m. Buffet Dinner 7:30p.m. - 9:00p.m. Formal Program 2016 ASCE Hawaii Section OCEA Awards Presentation
<b>Menu:</b>	Multi-entrée buffet
<b>Cost:</b>	Individual Registration: \$99.00 per person by 9/23/16 Table Registration: \$950.00 per table of 10 by 9/23/16

### Reservations:

Please make checks payable to "ASCE Hawaii Section" and mail to Jason Kage, ASCE Hawaii Section, C/O CH2M, 1132 Bishop Street, Honolulu, HI 96813, by Tuesday, September 23rd, 2016. Any questions on registration, please contact Jason at (808) 440-0213 & [jason.kage@ch2m.com](mailto:jason.kage@ch2m.com). No shows will be billed.

### EXECUTIVE COMMITTEE MEETING

Last held: Aug 3, 2016  
Next meeting: Sept 7, 2016

### 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://www.asce-hawaii.org/links.html> and click on ASCE

National for complete details.

### ASCE HAWAII SECTION STUDENT SCHOLARSHIPS

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

### ASCE JOB LISTINGS

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

- Civil Engineer – CH2M
- Water Engineer – CH2M
- Assistant Program Administrator – City and County of Honolulu
- Civil Engineer V (Geotechnical)– City & County of Honolulu
- Civil Engineer V – City and County of Honolulu
- Mechanical Engineer V – City and County of Honolulu
- Structural Engineer V - City and County of Honolulu
- Junior Engineer – GPRM Prestress
- Sr. Geotechnical/Geological Engineer – Hart Crowser, Inc.
- Project Geotechnical/Geological Engineer – Hart Crowser, Inc.
- Project Manager - Kennedy/Jenks Consultants
- Staff Engineer - Kennedy/Jenks Consultants



- Construction Project Engineer - Jas W. Glover
  - Structural Engineer - Nagamine Okawa Engineers, Inc.
  - Principal Project Control Engineer/Specialist, AIRPORT – Parsons
  - Professional Engineer (Civil and Environmental Engineering) – SEY Engineers, Inc.
  - Civil Engineer V – SSFM International
  - Structural Engineer IV – SSFM International
- For further information on these job listings please visit <http://www.ascehawaii.org/job-listings.html> or to find out how you can post your company job openings on our website, please contact Tim Goshi at (808)791-3966 or [tgoshi@ascehawaii.org](mailto:tgoshi@ascehawaii.org).



### 2015-2016 YMF Officers

Amanda Tanaka, President <a href="mailto:atanaka@ascehawaiiymf.org">atanaka@ascehawaiiymf.org</a>
Norman Leong, Vice President <a href="mailto:nleong@ascehawaiiymf.org">nleong@ascehawaiiymf.org</a>
Jordan Urabe, Secretary <a href="mailto:jurabe@ascehawaiiymf.org">jurabe@ascehawaiiymf.org</a>
Nicole Nakaoka, Treasurer <a href="mailto:nnakaoka@ascehawaiiymf.org">nnakaoka@ascehawaiiymf.org</a>
Puna Kaneakua, Past President <a href="mailto:pkaneakua@ascehawaiiymf.org">pkaneakua@ascehawaiiymf.org</a>

### YMF General Meeting

The next YMF general meeting is scheduled for Wednesday, September 7, 2016 at 6:00 pm at Underdogs Sports Bar & Grill. If you are interested in attending and learning more about the various professional, social and service opportunities available through YMF, please contact YMF at [ymf.hawaii@gmail.com](mailto:ymf.hawaii@gmail.com).

### Special Olympics Hawaii 2016 'Aukake Classic

#### By Lori Higashi & David Miyasaki, Community Service Chairs

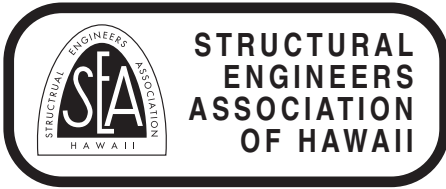
On Saturday, August 6, six YMF members volunteered at the Special Olympics Hawaii 2016 'Aukake Classic Bocce Tournament Awards Ceremony at Waiiau District Park. The 'Aukake Classic is a two day event, featuring over 400 athletes from across the state participating in unified bocce doubles and soccer competitions. Once the games were finished,

YMF members helped with the preparation of the Bocce medals, staging, escorting, and cheering on the athletes as they received their awards on stage. Thank you to the YMF volunteers for coming out to help at this event and to Cindy Ujimori for coordinating this event with the YMF.

#### Tileco. Field Trip By Sean Cagadas, Field Trips Chair

On Friday, August 12th, YMF and AWWA/HWEA

Young Professionals (YP) co-hosted a field trip to Tileco Inc., a manufacturing plant located in Kapolei. There were 9 members that attended the tour where they toured the facility and saw how the concrete mix is prepared and pressed pneumatically into molds then transported to kilns for curing. The tour also included a presentation of Tileco Inc.'s aggregate processing plant where raw aggregate is crushed and separated according to size. Attendees also learned about the different masonry block finishes and how they are produced. Overall, everyone learned a lot about the masonry block production process and the different applications of concrete masonry blocks. Thank you to Tileco Inc. for hosting YMF and YP!



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

**2016 BOD OFFICERS AND DIRECTORS**

President Jeffrey Hanyu 536-2108  
*jeffreyhanyu@allisonide.com*  
 Vice Pres Jonathan Murai 791-3952  
*jmurai@kaihawaii.com*  
 Secretary Lyle Carden 521-4513  
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 Director (Yr 1) Damien Enright 845-2474  
*structurs001@hawaii.rr.com*  
 Director (Yr 1) Ryan Lawton 208-1433  
*rlawton@histructures.com*  
 Past President Fernando Frontera 781-2802  
*frrontera@baseengr.com*

**PREVIOUS BOD MEETING**  
 August 3, 2016

**General Membership Meetings/Technical Seminars/Events**

- For all events see [seaoh.org](http://seaoh.org) or look for email flyer for registration.
- SEAHO/CRSI/CCPI Workshop Training Session I - An Overview of ACI 314-16 Guide to Simplified Design of Reinforced Concrete Buildings. September 8, 8-11 am.
  - SEAHO/CRSI/CCPI Workshop Training Session II – Economic Design of Reinforced Concrete Buildings / Time Saving Design Aids for Reinforced Concrete / Design of Pile Caps. September 9, 8-11 am.
  - SEAHO Golf Tournament – Hoakalei Country Club. October 21.

**Scholarship**

Applications are now being accepted for SEAHO scholarships, awarded to students entering or currently attending an accredited college or technical school. Applications must be postmarked by September 21. Please see the website for more information and application forms.

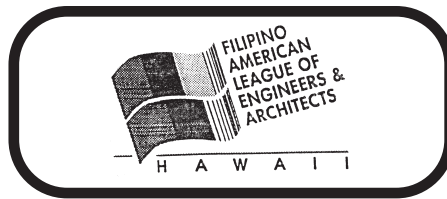
**New Member Applications**

Applications for the following individual has been received and is open for comments from the membership: Nathaniel Herron as an Associate member.

**Nominations for the 2017 SEAHO Board of Directors**

WE WANT YOU! SEAHO is looking for enthusiastic members to participate in the stewardship of our organization. Please contact Fernando Frontera if you have interest or would like to nominate a fellow member to serve on next year's board (748-7028, *frrontera@baseengr.com*). We're actively seeking volunteers or nominees for Vice President, Secretary, Treasurer and Director.

**Next Meeting** on August 3, 2016. For location, contact SEAHO President, Jeffrey Hanyu, *jeffreyhanyu@allisonide.com*.



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

**2014-16 Officers/BoDirectors**

President: Francisco T. Cruzata, AIA  
 VP/Pres-Elect: Gene C. Albano, Jr., PE, LEED AP  
 Secretary: Maritez A. Marquez  
 Treasurer: Riza Marie R. Gatdula, EIT  
 Ass't Treas: Belinda P.Tegui  
 Auditor: Ramon B. Bonoan, Jr., LEED GA  
 Bus. Manager: Ferdinand B. Guinto, PE  
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 Alternate: Gene C. Albano, Jr., PE, LEED AP

**August 2016 HIGHLIGHTS:**  
**GENERAL ASSEMBLY/SUMMER PICNIC –**

As our current President Frank Cruzata said, "thank you to those who made it to our annual event," but those who couldn't make it, or did not get the word, well...you just "lost out." The fun, camaraderie and the food was great! Talking about food, Angie and her group were so busy and serious setting up the "boodle fight" table that just watching them lay out the food with such artistic precision was a treat in itself. Let's try it again sometime Angie! Incoming President Gene Albano also thanked those in attendance. It was indeed a productive Assembly Meeting, and Gene led some

serious discussion by soliciting feedback from those in attendance about implementation of possible changes for the betterment of the organization and in keeping up with the times.

**YEAR-END ACTIVITIES** – More to come folks! Christmas and New Year are just around the corner!

**HAVE A GREAT MONTH, & SEE YOU ALL AT THE NEXT BOARD MEETING!**



*Left to right, Board Members Nick Orense, Angie Armas, & Ferdi Guinto enjoying the 'boodle food.'*

**ASME, from page 3**

tent and general layout submitted to HCES. If draft is approved, we will work on original imagery for inclusion in the brochure.

**PROGRAM FOR THE EVENING:** Fuel Oil Pipeline In-Line Inspection Process presentation by Derek Sato, P.E., Hawaiian Electric Fuels Department.

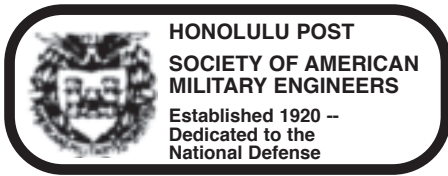
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**SAME Honolulu August 10, 2016 Lunch Meeting Presentation**

**Topic:** Historic Preservation and Partnerships – What is this Black Box?

**Presenter:** Col (Ret) John Lohr, Historic Preservation Officer, NAVFAC Hawaii

John Lohr has been with NAVFAC Hawaii as the Historic Preservation Officer since April 2014. During this time, his division has earned a total of 15 of Hawaii's most recognized Historic Preservation Honor Awards. These awards demonstrate the ongoing effort to, as stated by Mr. Lohr, "keep Joint Base Pearl Harbor-Hickam relevant and mission ready as we repurpose our historic facilities to meet today and tomorrow's opportunities and capabilities."

John Lohr retired in the grade of Colonel after over 29 years of service in the Air Force. Leading up to the culmination of his career he held many important jobs where he excelled. 2008 – 2009, Col (Ret) Lohr commanded the 379 Expeditionary Mission Support Group at Al Udeid Air Base, Qatar. From 2009 – 2010, he was the Chief of the Civil Engineering Operations Division under Headquarters Air Force Materiel Command. Finally, 2010 – 2013, Col (Ret) John Lohr served as the Deputy Director and was promoted in 2013 to Director of Installations and Mission Support Directorate

at HQ Pacific Air Forces. As senior executive to a 133 person staff, he was responsible for an over \$6.3B program, which supported a client base of 45,000 in areas such as engineering, security, and contracting for nine (9) major military installations across the Pacific.

John Lohr graduated from the University of Tennessee with a degree Architecture. He followed on by completing two Masters programs; a MS in Public Administration from Troy State and a MS in Architecture Engineering from Penn State.

**Synopsis:** All Federal Agencies are required in accordance with the National Historic Preservation Act of 1966, as amended to establish a cultural resources protection program. Mr. Lohr highlighted the outstanding effort his team and Navy Region Hawaii are making to identify, evaluate and protect the cultural resources contributing to the three National Historic Landmarks on Joint Base Pearl Harbor-Hickam (Pearl Harbor, Hickam Field and CINCPAC HQ, now known as COM-PAC Fleet HQ, Bldg 250 on Makalapa) and over 3,000 historic properties and sites. Navy Region Hawaii's program has been recognized and received numerous historic preservation awards from the Historic Hawaii Foundation over the past several years. On average, his office reviews over 400 annual undertakings in support of facility and infrastructure projects, real estate transactions, community outreach, and various studies and reports. Of the 400 undertakings, 182 required Section 106 consultation either formally with the State Historic Preservation Officer, Advisory Council on Historic Preservation and various interested and consulting parties or under the Region's Programmatic Agreement. At the end of the day, the Navy is fully committed to protecting its national cultural resources through teamwork, transparency, and consistency.

**Early Bird Registration Deadline is August 29. Register Now!**

September 20, 2016 SAME Project Management Course

To all SAME Members, Sustaining Members and Guests...

You are invited to attend the following:

SAME Project Management Course (Qualified for 8 PDHs or 8 AIA LUs) Tuesday, September 20, 2016, 8 am to 5 pm HST

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Note: Early bird registration deadline is 5 pm EST, Monday, August 29, 2016. Last day to register online is 5 pm EST, Friday, September 16, 2016.



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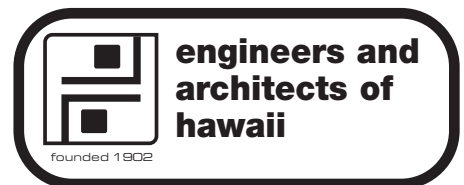
**AACE Hawaii Section News:**

In the previous quarter, the AACE Hawaii Section held the following events:

- Lunch & Learn: Paul Brussow, Executive Vice President of Rider Levett Bucknall, provided a presentation of Honolulu's Construction Industry, trends for 2016 and beyond.
- Networking & Social: A bowling event was held at Aiea Bowl for members and guests.
- Tour of ROCC: AACE hosted a well-attended tour of at the Rail Operations Control Center (ROCC). The presentation was done by HART Project Manager, Mr. Akira Fujita and tour conducted by Lead Engineer Mr. Steve Langan. It was both very interesting and informative to view the ROCC first hand on a 43-acre site with four major structures that will hold the fleet of rail cars.

A technical webinar is being planned in the fall with a community service project. Please contact us [aacehawaiisection@gmail.com](mailto:aacehawaiisection@gmail.com) if you are interested.

For more information, please visit our website [www.aacehawaii.com](http://www.aacehawaii.com).



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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.

*continued on page 7*

## Engineering Update, from page 1

Mechanical Engineering, retired last December. Liebert began working at the College of Engineering in 1977 after receiving his PhD in materials science and engineering from Stanford. During his career at UH Manoa, he received a Board of Regents Medal for Excellence in Teaching and served as Mechanical Engineering Department chair before assuming the duties as Associate Dean for Academic Affairs.

Peter Nicholson, Associate Professor of Civil and Environmental Engineering, also retired last year. Nicholson joined the CEE department in 1990 after earning his PhD in geotechnical engineering from Stanford. He received numerous awards during his career, including a Board of Regents Medal for Excellence in Teaching, Robert W. Clopton Award for Distinguished Community Service, and an Outstanding Civilian Service Medal, U.S. Department of the Army (one of the highest honors the Army can bestow upon private citizens).

## Student News

Ryan Gough, an electrical engineering PhD student, is the winner of the College's Outstanding PhD Student Award, given once per year to a student who demonstrates achievement in criteria such as papers published, patents granted, STEM outreach activities participation, placement in entrepreneurial competitions, research awards received and academic progress. Gough also won a Student Excellence in Research Award (Doctoral Level) given by the University of Hawaii at Manoa. "He was named the 2014 ARCS Scholar of the Year, the first time a UH engineering student garnered the award for achievement among all sciences within the University. His work on creating dynamically reconfigurable circuits and antennas using liquid metals brings to mind the futuristic shape-shifter in the Terminator movies. This graduate student has made such fundamental advancements in the area that the nation's foremost expert, a North Carolina professor, flew to Honolulu for Gough's dissertation defense" (from UH Manoa website <https://manoa.hawaii.edu/chancellor/awards/#student-research>). Additional honors for Gough include a \$6,000 IEEE Microwave Theory and Techniques Society Graduate Fellowship.

Mechanical engineering student Aleca Borsuk worked with Kent Kobayashi of the College of Tropical Agriculture and Human resources to study the use of artificial lighting to stimulate growth of amaranth in space. Amaranth is heat and drought tolerant and its shoots and seeds are highly nutritious. She found that crop yield of densely planted beds



**Susan Yamada awards Kyoko Fujimoto and Trent Robertson for their performance in the Breakthrough Innovation Challenge for their invention.**

can be enhanced using spatial configurations of LED lighting without chemical treatment. "As an engineer, I am fascinated by the form and function of plants, and how they interact with light," said Borsuk. "I'm also interested in how plants can contribute to long duration space-flight, such as a mission to Mars" (from UH Manoa website <http://manoa.hawaii.edu/kauana/undergraduate-researches-how-to-grow-plants-in-space/>).

Noel Kawano, a master's student in Electrical Engineering, designed and built CreaTable, a unique interactive table top display. Kawano build the display for Jason Leigh as part of the CyberCANOE project (see above). "While the CreaTable is definitely cool, like an enormous iPhone with a huge touch screen that angles on gas shocks, it's serving an even greater purpose. The fundamental knowledge that he learned to build this table is exactly what we need to build the new CyberCANOE," said Leigh. Kawano will be going from this summer project to helping to design and build the best data visualization and virtual reality system in the nation. Fitting, really, when you understand the vision for the CyberCANOE. "If you think of the really hard problems in the world today, it's not about just the chemistry problem or the physics problem or the biology or the education problem, it's really all these things interconnected," said Leigh. "And so the CyberCANOE sort of provides that platform for these other disciplines to think differently, work together in different ways that they never thought of before." (from UH Manoa website <http://www.hawaii.edu/news/2015/12/16/student-builds-enormous-ipad-like-table-device/>).

Eight Chi Epsilon (civil engineering honor society) students competed at the 28th Annual Pacific District Conference held in San Jose in

November of 2015. For the second time, the team won the Pacific District Chi Epsilon Cup, placing first over thirteen other universities. Team members included Jeff Aguinaldo, Aren Bumanglag, Brandon Cezar, Emma Finley-Jacob, Kelsie Sasabe, Briant Pham, Alex Toshi and Tyler Tsuchida.

Fifty five students and their faculty advisor Roger Babcock (Professor of Civil and Environmental Engineering) participated in 18 events at the ASCE Pacific Southwest Conference (PSWC) in Long Beach, CA earlier this year. "The team placed 9th overall in the conference of 18 schools (over 1,300 students total). The Concrete Canoe team placed fourth overall and dominated the race events, placing first in Men's sprints, first in Coed sprints, first in Men's slalom, second in Women's sprints, and second in Women's slalom. In other events, Kiana Yamat placed 4th in the Technical Paper competition, the Transportation event team placed 6th, the Concrete Bowling team placed 6th, the Environmental event team placed 7th, and the team placed 4th in both Tug-O-war and Scavenger Hunt. The entire team worked very hard preparing for this event and all were great competitors in Long Beach. The PSWC is the largest ASCE student conference in the USA and the most competitive. The UHM Conference co-Chairs were Reyn Sugihara and Jessica Shon who worked tirelessly to ensure everything worked out well and everyone had a good time (<http://www.cee.hawaii.edu/news/untitled-document-16/>).

## Farewell

Dr. Peter Crouch, our dean since July of 2006, has left the College to become dean of engineering at the University of Texas at Arlington. The college bid farewell to him at a reception at Waiialae Country Club and a coffee hour at Holmes Hall. Mahalo, Dr. Crouch, for your leadership and supporting the many activities and events that have enhanced the learning for our engineering students as well as the growth of the faculty and staff. All the best in your new endeavors!

## EAH, from page 6

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!!

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