

## 25th ANNUAL HAWAII OAHU CHAPTER MATHCOUNTS COMPETITION

The 25th annual MATHCOUNTS Oahu Chapter Competition was held February 9, 2008 in the Kamehameha Schools (KS) Kalama Dining Hall with 30 schools competing. Mayor Mufi Hannemann was there to personally read his proclamation marking the 25th Anniversary of MATHCOUNTS in Honolulu. MATHCOUNTS Steering Committee members Jean Okumura and Doug Kamiya were honored for 25 years of service.

At end of the competition, the first place team was Punahou School with team members William Chen, Travis Le, Joanne Lee, Sean Rodan, and coach Todd Chow-Hoy. The other six teams moving on to compete in the March 8, 2008 Hawaii State MATHCOUNTS Competition in order of finishing after Punahou are Iolani School, Washington Middle School, Highland Intermediate School, Stevenson Middle School, Maryknoll School, and Mililani Middle school. The "Best New School" award went to Kalakaua Middle School for the highest scoring school that did not compete last year and has not placed in the top ten. The "Most Improved School" award went to Stevenson Middle School for having the greatest increase in their team score from last year's competition.

Individual honor for scoring the highest in the written Sprint and Target Rounds went to Naoki Shigeta of Washington. He competed and placed high last year as a seventh grader. Travis Le of Punahou, Zhengyuan Ma of Punahou, William Chen of Punahou, Daron Lee of Highlands, Ben Shiroma of Stevenson, Geoff Kusaka of Punahou, Logan Davis of Iolani, Cordelia Xie of Iolani, and Joanne Lee of Punahou followed Shigeta in this order. The Winner of the Countdown Round was William Chen of Punahou, followed by Zhengyuan Ma of Punahou.

MATHCOUNTS is a national math competition for 6th, 7th and 8th graders. Students compete individually in the Sprint Round solving 30 math problems in 40 minutes. Next comes the Target Round where students try to solve eight problems within approximately 30 minutes. The Team Round finishes the written portion of the competition. In this round students work together solving 10 problems in 20 minutes.

The first Hawaii MATHCOUNTS Competition was held in 1984 at the University of Hawaii at Manoa Engineering Department facilities. That's a quarter of a century ago. From this beginning, there are only two Hawaii MATHCOUNTS Steering Committee Members still actively participating. They are Jean Okumura and Doug Kamiya. Okumura is an educator with Windward Community College and Kamiya is an engineer with Community Planning, Inc. Yes, after 25 years, they continue to be a part of the Steering Committee. Kamiya was the Hawaii Society of Professional Engineers (HSPE) President during this inaugural period for MATHCOUNTS. He and his wife, Mary, recalled some of the history of this early period. Wallace Hirai of W. A. Hirai & Associates, Inc., Hilo, was the HSPE President the year before who was involved with the initial MATHCOUNTS fundraising. Mechanical Engineering Professor Dean Kihara and Mary Kamiya were the coordinators for the competition doing just about everything to ensure that the competition ran smoothly. The first competition drew 15 schools.

Evelyn Cheong, former MATHCOUNTS coach for Punahou School is the only coach still around. After retiring from coaching two years ago she continues to be involved by helping score the events.

After three years at UHM, the competition moved to different locations, such as Kalakaua

Intermediate School, Farrington High School, and a year at Iolani School before finding its current home at Kamehameha Schools. When HSPE member Dr. Michael Chun, President & Headmaster, Kamehameha Schools, assumed the Hawaii MATHCOUNTS chairmanship the competition found a home at KS Kalama Dining Hall. Along with providing the competition site, he recruited KS volunteers to help coordinate the competitions with educators and engineers on the Steering Committee. There were many Steering Committee members, coaches, proctors and scorers, and participating students who have come and gone. It is believed they went away with lasting knowledge of the many good things coming out of MATHCOUNTS. The current MATHCOUNTS Steering Committee Coordinators are Rowena Blaisdell and Pauline Marcello, both of Kamehameha Schools. They manage the Oahu Chapter and State competitions for HSPE with the help of the educator and engineer Steering Committee volunteers.

HSPE continues to be the sponsor of MATHCOUNTS, assisting Dr. Chun, Blaisdell and Marcello, financially and participating on the Steering Committee. HSPE conducts fundraiser to help provide the funds to successfully run the competition. Other major sponsors are Aloha Airlines and Hawaiian Electric Company, Inc.

*(continued on page 3)*

### EDITOR'S NOTE

The Filipino American League of Engineers and Architects (FALEA) selected Paulette Ujimori as the 2008 Young Engineer of the Year on behalf of the Hawaii Council of Engineering Societies.



**First place Punahou Team, L-R: Travis Le, William Chen, Joanne Lee, Sean Rodan, and coach Todd Chow-Hoy.**



**MATHCOUNTS Proclamation, L-R: Scott Seu, Dr. Michael Chun, and Mayor Mufi Hannemann.**



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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.

Laverne Higa

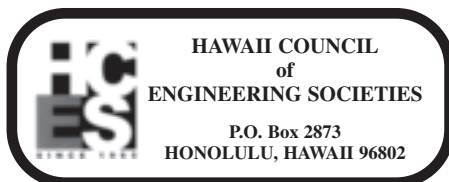
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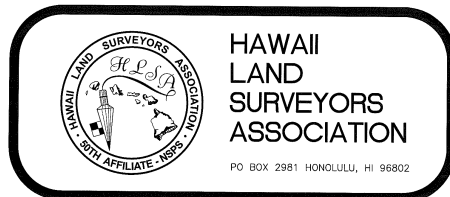
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**Hawaii Land Surveyors Association 2nd Annual Golf Tournament**

Waikale Golf Club, 94-200 Paioa Place

May 9, 2008

Registration/Lunch: 10:30am

Shotgun Starts: 12:00pm

Proceeds to benefit Hawaii Meals on Wheels

Tournament Fee: \$175.00 includes: lunch, green fee, cart, prize contests, dinner, 1 mulligan, beverages

Scramble Format

Min. 4 Drives per Player Maximum 2 Putt

Buffet Dinner &amp; Prizes to follow

Contests: Longest Drive (Men & Ladies),  
Accurate Drive, Nearest to Pin (par 3 holes), Hole  
in One (par 3 holes)

**Sponsorship:**

**Platinum Sponsor \$2,000:** (3 paid players, 6 sleeve logo balls, 3 tournament shirts, company tee sign, logo banner, lunch, dinner, 1 mulligan each)

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For more information contact Kevin Kea at (808) 521-3990 or by email at [acelandsurvey@hawaii.rr.com](mailto:acelandsurvey@hawaii.rr.com)

**TRIG-STAR PROGRAM**

The competition for Hawaii Trig Star begins in just a couple of weeks. Nearly 150 high school students have signed up to participate in this national competition representing 4 islands from our great state. By the month of May we will know who will be our representative for our state at the national level. Their experience through this program will give them a first hand look at the problems land surveyors face and how trigonometry applies.



Thank you to all the math departments and their teachers for stepping up and accepting the challenge for this competition, it shows the confidence and pride they have in their students and their teaching abilities. I'd like to also thank all the sponsors for stepping up and being a part of this great program to support our students and teachers at the high school level by recognizing their accomplishments in the studies of mathematics. Below is a list of participating schools, their teachers, and sponsors for each school.

**OAHU**

**ASSETS School:** Mike Travis (teacher), Belt Collins Hawaii Ltd. (sponsor)

**Iolani School:** Michael Park, Kathleen Goto, Amy Yonashiro, Joe Guillou (teachers), Engineers Surveyors Hawaii, Inc. (sponsor)

**La Pietra-Hawaii School for Girls:** Bernice Duckrow (Teacher), Hawaii Land Consultants (sponsor)

**Leilehua High School:** Kerry Kawamura (teacher), Walter P. Thompson, Inc. (sponsor)

**Maryknoll School:** James Wong, Lance Suzuki (teachers), Lyon Associates, Inc. (sponsor)

**Punahou School:** Christine David (teacher), Sam O. Hirota, Inc. (sponsor)

**Sacred Hearts Academy:** Deborah Kula, Elizabeth Alencastre (teachers), Title Guaranty of Hawaii (sponsor)

**MAUI**

**Maui Preparatory Academy:** Keenan Reader (teacher), Austin Tsutsumi & Associates, Inc. (sponsor)

(continued on page 10)

Player Name/Shirt Size	Handicap	Phone	Attending Banquet?
1st _____	_____	_____	_____
2nd _____	_____	_____	_____
3rd _____	_____	_____	_____
(maximum handicap: men 30, women 40)			
\$ _____	Player/Team Entry Fee		
\$ _____	Additional Mulligans (\$5 each)		
\$ _____	Tournament Shirt (\$35 each) (incl. shirt sizes)		
\$ _____	Platinum Sponsor		
\$ _____	Gold Sponsor		
\$ _____	Silver Sponsor		
\$ _____	HLSA Donation (no players)		
\$ _____	Total Fee Enclosed		
Respond by April 18, 2008			
Make checks payable to: "HLSA", mail to:			
735 Bishop Street, Suite 330			
Honolulu, HI 96813			





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#### ACECH Annual Meeting

##### NOTE NEW DATE

Friday, March 18, 2008, 8:00 A.M. TO 1:30 P.M.  
Hilton Waikiki Prince Kuhio Hotel  
Topic: Conquering the Generational Divide in the Workplace

Sherri Okinaga of Insight Consulting and Training will cover the four generations that are represented in our workforce today: Traditionalists, Baby Boomers, Generation X-ers & Millennials. Understanding and appreciating the different values and paradigms of each generation can reduce the stress in your workplace and allow you to achieve peak performance. During this talk, attendees will learn:

- The major characteristics of the four generations
- Each generation's paradigm and how they impact personal values
- The motto of each generation in today's workplace
- The impact of generational differences in the workplace

To date, Insight Consulting & Training has put over 8,300 participants through their unique flag-ship curriculum on generational workforce. In today's tight labor market, their clients have sought their expertise on how to maximize their human capital and implement appropriate succession plans to posture their organizations for continued success. To that end, ICT has helped in the development of practical and sensible plans aimed at identifying, cultivating, growing, and supporting future leaders.

Registration available online at [www.acechawaii.org](http://www.acechawaii.org) after February 22, 2008.



**Steering Committee members being recognized for 25 years of service, L-R: Dr. Michael Chun, Jean Okumura, Doug Kamiya, and Mayor Mufi Hannemann.**



WEB SITE [www.eng.hawaii.edu/~hspe](http://www.eng.hawaii.edu/~hspe)

#### 2007 – 2008 HSPE State Officers

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<b>Kona-Kohala Chapter Director</b>	Steve Herbert, P.E. <a href="mailto:sherbert@hawaii.rr.com">sherbert@hawaii.rr.com</a>

#### The Hawaii Society of Professional Engineers and MATHCOUNTS

The Hawaii Society of Professional Engineers (HSPE) and the Hawaii Society of Professional Engineers Educational Foundation (HSPEEF) are pleased to have once again proudly supported the Oahu Chapter MATHCOUNTS Competition held on February 9 at the Kamehameha Schools Kapalama Campus. Many members of HSPE volunteer each year to contribute their time and energy to make this event a success. The MATHCOUNTS Chairman for Hawaii is our own Dr. Michael Chun, Ph.D., P.E. who has been a long time HSPE member and supporter. This year marks the 25th Anniversary of MATHCOUNTS. In recognition of this historic event, HSPE is proud to honor Ms. Jean Okumura and Mr. Doug Kamiya, P.E. as 25 year members of the MATHCOUNTS Steering Committee. What an accomplishment! Both Jean and Doug were presented

with an award for their dedicated service by HSPE Foundation Past-President Scott Seu, P.E. Doug also has the added distinction of being a long time member of HSPE.

HSPE and HSPEEF would also like to take this opportunity to extend a Mahalo to all of you in the engineering community that continue to support excellent events like MATHCOUNTS every year. The competition could not be a success without your support.

HSPE congratulates all 200 students representing 30 Oahu schools who participated in this wonderful event. The State MATHCOUNTS Competition is scheduled for March 8, 2008 at the Kamehameha Schools Kapalama Campus. Imua.

#### MATHCOUNTS, from page 1

MATHCOUNTS is grateful to organizations such as Hawaiian Electric Company, Inc., The US Army Corps of Engineers, SSFM International, and engineering societies ASCE, ASME, and SAME for providing the proctors and scorers, without their help on competition day, there would be no competition.

**Next Deadline for  
Wiliki  
is March 15th**

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## KNOW YOUR ASCE HISTORY

by C.S. Papacostas

### THE MERCHANTS ARE AROUSED

Following the May 1908 approval by the US Congress of a naval station at Pearl Harbor, civil engineer C. W. Parks and his entourage of about a dozen were dispatched to Honolulu to conduct surveys and to prepare plans and specifications for the planned drydock (see last month, Feb. 2008). The Evening Bulletin quoted him on his first day in town saying "the dock will probably be similar to that in Seattle [EB 6/1/1908]."

At the same time frame, the Army was proceeding with its own fortifications at Pearl Harbor and elsewhere under the direction of US Engineer Curtis William Otwell. The bids for one project, the enlarging and deepening of the Honolulu Harbor and the removal of a sand spit on which a lighthouse stood for quite a while, were opened by Otwell in early September of the previous year. With a 97-cents per cubic yard offer, the Hawaiian Dredging Co. (that was destined to play a major role at Pearl Harbor as well) beat those of the North American Dredging Co. at \$1.27, the San Francisco Bridge Co. at \$1.18, and local competitor Cotton Brothers & Co. at \$1.14 [EB 9/9/1907].

According to the Sunday Advertiser, the bid winner deployed two dredgers for this job, the suction dredger "Reclamation" and the modified deep dredger "Governor." The material obtained from the drilling and blasting operations was placed east of the small Quarantine Island via rail cars that were brought to the site by a scow in sets of ten [SA 3/1/1908]. When the job was finished "eight or nine months ahead of the allotted time," the Pacific Commercial Advertiser informs us, "a new sand island" had been created [PCA 12/8/1908], that, aptly, if not imaginatively, became known as... Sand Island!

Major Eben Eveleth Winslow had arrived by the Sheridan a month earlier to take over Otwell's duties and to occupy his office space in the commercial McCandless Building on Bethel Street [EB 11/12/1908]. Incidentally, an Army anecdote in a book by Lenore Fine has him reminding "young officers that the difference between 'Engineer Corps' and 'Corps of Engineers' was the same as the difference between a 'beer bottle' and a 'bottle of beer!'"

In the interim, as soon as he had arrived on June 1st 1908 on the steamer Siberia, Parks, his assistant G. S. Burrell and Captain Corwin P. Rees, the new local naval commandant since April, "took the train from here and went over the ground where they are to work, and returned in the Navy launch late in the afternoon." As a general impression, "the lonesomeness of the place at Puuloa rather disappointed the party [PCA 6/2/1908]."

The train from Honolulu that they rode belonged to the Oahu Railroad and Land (OR&L) Co. line that had a station outside the naval property, cut across the Ewa plain, skirted along the Wa'anae coast and around Ka'ena Point to its terminus at Kahuku (for details, see my June and July 2000 Wiliki articles). Pu'uloa is the traditional Hawaiian name of the area around the harbor's mouth that could also be reached by sea. The Iroquois (as in "Iroquois Point") and the Navajo were two often-mentioned Navy tugs used for this purpose at that time.

Interestingly, above Bishop's Point (that is still shown on modern maps on the east side of the entrance channel) was the locality where "the Iroquois has grounded several times [PCA 2/27/1909]," illustrating, among other things, the need for improvements if a naval station was to be feasible in the vicinity.

To conduct the necessary surveys at some of its Pu'uloa lands, Park reached an "amicable agreement" for free access with the Honolulu Plantation that was at the time licensed to cultivate sugar cane there [PCA 6/4/1908]. The actual surveys started the next day by the navy crew under the supervision of assistant civil engineer Burrell [EB, 6/6/1908] but, to the newcomers' discomfort, "sharp and stubborn thorns... of several varieties" seriously hampered their progress [EB 6/15/1908].

Regarding the naval station construction projects, at the time of Park's arrival "the matter of labor on the work is still undecided, and whether the work will be done by the government or let out to contract was still to be decided upon [PCA 6/2/1908]."

Along these lines, the morning newspaper published a short editorial encouraging "the strongest kind of representation ought to be made to the Navy Department in favor of the employment of white and Hawaiian labor on the navy yard at Pearl Harbor," and that "there would be no injustice to Japanese and Chinese residents in such procedure, as they, having practical control of private construction in this Territory, might well let American citizens have a chance at the public undertakings [PCA 6/6/1908]."

With a potent exclusionary spirit, the Evening Bulletin of the same day added that the Merchant Association and the Chamber of Commerce were "strongly in favor of having citizen labor used" but also that the federal government should avoid paying higher rates than those offered by the private sector in Hawaii "in order that the local industry might not be embarrassed [EB 6/6/1908]."

A committee appointed by Captain Rees recommended, at least for the on-going preliminary work, wage rates that were consistent with the desires of local businesses. Regarding the source of workers, however, there was "no understanding as to the racial quality of labor to be employed on the whole job, but [the seven men] hired so far are citizens [SA 6/7/1908]."

"Fervor and commotion" would accurately describe events during the next few days: On June 9, the PCA clarified its position by saying that, although "what Federal contractors do is none of Honolulu's business," citizen workers residing in Hawaii should be given priority over outsiders. Except for small farmers, it reasoned, workers from the Coast should be avoided because some were union organizers, while most were anti-Chinese and anti-Japanese. Moreover, the editors continued, when brought here in 1899 by the construction firm of Lord & Belser, Californians voted for the Home Rulers and against "the Republican and Democratic tickets [and] the employing classes;" in other words, "they were against property, stability, conservatism, capital."

On the same day, under a headline that said "the merchants are aroused," the Hawaiian Star explained that a group of them were admitted by engineer Parks to discuss the matter only after "being assured that their ideas were different" than the Advertiser's. The engineer was reported to have said that, because of its possibly adverse international implications, if it "were taken too much by the press," he could not, in his federal capacity, discuss the issue openly. He nevertheless offered assurances that "before Pearl Harbor is completed everyone will be satisfied [HS 6/9/1908]." The EB gave a similar account, and both papers reported that the Association voted to simply drop the question and to express "confidence in engineer Parks [EB 6/12/1908]."

(continued on page 11)



### 2007-2008 OFFICERS

Office	Name	Phone
President	Ron Iwamoto email: ron@iwamotollc.com	486-5202
Pres-Elect	Michael Hunnemann email: mike@kaihawaii.com	533-2686
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Region 8 Chair	Westley Chun email: westley.chun@ch2m.com	943-1133

### MARCH DINNER MEETING

Program: Transportation Committee Presentations

Presentation I entitled: "The Hawaii Harbors Modernization Plan" by Michael Formby, Deputy Director of Harbors, Hawaii Department of Transportation. This presentation will describe how the Department of Transportation, Harbors Division, other state departments, and the Hawaii Harbors User Group (HHUG), developed a comprehensive, system-wide strategy to address current and future harbor needs within an expedited six-year, time-frame. The Harbors Modernization Plan calls for major improvements to six commercial harbors on four islands.

Presentation II entitled: "The Importance of the Honolulu High Capacity Transit Corridor Project" by Wayne Yoshioka, Director, Department of Transportation Services, City and County of Honolulu. This presentation will give an update on the progress of the Honolulu High Capacity Transit Corridor Project and the Director's vision of the important project benefits.

Date: Thursday, March 20, 2008

Location: Treetops at Paradise Park, Manoa Valley

Time: 5:30 p.m. - Social Time

6:30 p.m. - Dinner

7:20 p.m. - Program

8:45 p.m. - Adjourn

Menu: Multi-entree buffet

Cost: \$22.00 for ASCE Hawaii Section members

\$25.00 for Non-ASCE Hawaii Section members and Guests

\$11.00 for UH Manoa Student Chapter members

Please make checks payable to ASCE-Hawaii Section and mail to Dawn Barsana, ASCE Treasurer, CH2MHill, 1132 Bishop Street, Suite 1100, Honolulu, Hawaii 96813-2822 postmarked by Wednesday, March 12, 2008. Reservations for the dinner meeting to Dawn Barsana by Monday, March 17, 2008, by phone at 943-1133, fax at 538-8205 or email at dawn.barsana@ch2m.com.

### EXECUTIVE COMMITTEE MEETING

February 13, 2008

### 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 [www.asce.org/conted/](http://www.asce.org/conted/) for complete details.

### REGIONAL LEADERSHIP CONFERENCE PARTICIPATION

Several ASCE members from Hawaii attended concurrent regional meetings in Las Vegas, Nevada in early February. Our Region 8 Director, Westley Chun, attended the Region 8 Board of Governors meeting on February 6th. Our Hawaii Section President, Ron Iwamoto and President-Elect, Mike Hunnemann attended the Region 8 Assembly meeting (Spring Planning Meeting) with Westley on February 7th. Our Hawaii Section Treasurer, Dawn Barsana and Outreach Program Chair, Cey Murakami attended the Region 8/9 Workshop for Section and Branch Leaders (WSBL) on February 8th and 9th. Our YMF President, Lisa Takushi, Past President Lori Nishida, and Treasurer Aaron Erickson attended the Region 8/9 Western Regional Younger Member Council (WRYMC) meeting on February 8th and 9th. And our UH Student Chapter Corresponding Secretary Jessica Agsald and 2008 Conference Co-Chair Lori Higashi attended the Workshop for Student Chapter Leaders (WSCL) on February 8th and 9th. In Las Vegas, the YMF received two awards. Congratulations to Paulette Ujimori, who was named the 2008 WRYMC Outstanding Young Civil Engineer in the Public Sector. And congratulations to the Younger Member Forum which received the 2007 Public Service Award. The YMF awards were accepted by Lori Nishida, Member and Past President of the Hawaii Section YMF.

### 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 Lori Fong at (808) 384-5372, or [lfong@asce-hawaii.org](mailto:lfong@asce-hawaii.org).

### ASCE JOB LISTINGS

The following employers have openings they would like to fill:

- Austin Tsutsumi & Associates, Inc. (Civil Engineer - Honolulu and Wailuku, Land Surveyor - Honolulu)
- Bills Engineering Inc. (Civil Engineer, Engineering Assistant & CADD Technician)
- Brown and Caldwell, Inc. (Drafter - Oahu)
- CH2MHILL (Transportation/Traffic Engineer - Honolulu Office)
- Engineering Solutions, Inc. (Civil/Sanitary Engineers - Honolulu)
- Fewell Geotechnical Engineering (Geotechnical Engineer - Honolulu)
- Fukunaga & Associates (Civil and Civil/Environmental Engineers - Honolulu)
- HDR, Inc (Water/Wastewater Project Engineer, Water/Wastewater EIT - Honolulu)
- Warren S. Unemori Engineering (Project Engineer, Civil Engineer, & CAD Operator - Wailuku)

For more information on these job listings, please visit the ASCE Hawaii Section website at <http://jobs.ascehawaii.org/jobs/jobs.html>.

### ASCE HAWAII SECTION'S WEBMAIL LIST - SIGN-UP AND/OR UPDATE

If you would like to receive e-mail notices of upcoming meetings or activities, please sign-up for the ASCE Hawaii Section's webmail list at <http://www.ascehawaii.org/emailform.html>. You may also update your email address on that same webpage. Please consider helping the Hawaii Section reduce operating costs by receiving your monthly issue of Wiliki via email. If you have any questions, please contact Webmaster Joanna Seto at 586-4329 or [jseto@asce-hawaii.org](mailto:jseto@asce-hawaii.org).



### 2007-2008 YMF Officers

		Phone
President	Lisa Takushi <a href="mailto:ltakushi@ascehawaii.org">ltakushi@ascehawaii.org</a>	531-4252 ext. 14
Vice-Pres.	Morgan B. LaRue <a href="mailto:mlarue@ascehawaii.org">mlarue@ascehawaii.org</a>	449-7993
Secretary	Valerie Strom <a href="mailto:vstrom@ascehawaii.org">vstrom@ascehawaii.org</a>	448-2814
Treasurer	Aaron Erickson <a href="mailto:aerickson@ascehawaii.org">aerickson@ascehawaii.org</a>	591-2728
Past Pres.	Lori Nishida <a href="mailto:lori.nishida@ch2m.com">lori.nishida@ch2m.com</a>	943-1133

### Next YMF General Meeting

The next two YMF general meetings are scheduled for Wednesday, March 5th, 6:00 p.m. at Lulu's Waikiki, 926-5222, and Wednesday, April 2nd, 6:00 p.m. at Ryan's Grill, 591-9132. If you are interested in attending to find out what the YMF is all about, please contact Lisa Takushi at 531-4252 ext. 14 or [ltakushi@ascehawaii.org](mailto:ltakushi@ascehawaii.org).

### 2008 ASCE WRYMC Award Recipient - Paulette Ujimori

By Lisa Takushi, YMF President

The YMF would like to congratulate Paulette Ujimori for being named the 2008 ASCE Western Regional Younger Member Council (WRYMC) Outstanding Young Engineer in the Public Sector at the 2008 WRYMC meetings in Las Vegas, NV. She was recognized for her participation and leadership in multiple professional and technical societies, her research and studies in the field of environmental engineering, and for her participation in numerous community service projects. Highlights of her accomplishments include chairing the first Hawaii Competition for the ASCE West Point



**Paulette Ujimori with 2008 WRYMC Award.**



**Ryan Tanaka, Karen Chongue, Morgan LaRue, Paulette Ujimori, Lisa Takushi, Lori Nishida receiving 2007 ASCE Public Service Award.**

Bridge Contest, supporting startup of the Peer Mentoring Program for incoming freshmen at the University of Hawaii, and serving on the committee that drafted the first set of Bylaws for the Hawaii Section YMF.

### ASCE Hawaii Section Younger Member Forum (YMF) is the Recipient of the ASCE 2007 Public Service Award

By Lori Nishida, YMF Past President

This year at the 2008 Western Regional Younger Member Council meeting in Las Vegas, the ASCE Hawaii Section YMF was recognized for their significant public service accomplishments and their involvement in numerous public service activities. Some of their activities, to name a few, include the arrangement of a technical presentation on the inter-island ferry project and a tour of the H-power plant. They are also responsible for organizing a professional civil engineering exam refresher course to assist unlicensed engineers in preparing for the professional civil engineering examination, and they frequently mobilize groups of volunteers for numerous non-profit charities including the Ronald McDonald House, Special Olympics and the Kokua Kalihi Valley organization. They regularly donate their time and resources to help improve people's lives and bring engineering awareness to the community. For the second year in a row, the Hawaii Section YMF is being recognized for their exceptional community service work and involvement.

### YMF's Pau Hana Social

By Troy Ching, Golf Activities Chair and Social Co-Chair

The first YMF Social Activity of 2008, a Pau Hana held on January 18th at the Hukilau Restaurant went with great success. There was a good turnout of young professionals from companies such as HDR/Hawaii Pacific Engineers, Community Planning and Engineering, Weston Solutions and Hawaiian Dredging. It provided the attendees to network and make new friends over good food and good drinks.



### HAWAII SECTION OFFICERS FOR 2007

President:	Paul Won
Vice Pres.:	Don Hamada
Treasurer:	Steven Yoshida
Secretary:	Honglong Li



## Cold-Formed Steel Engineers Institute

### HAWAII CHAPTER

98-029 Hekaha St. Unit 23, Aiea, Hawaii 96701  
Phone: (808) 485-1400 Fax: (808) 485-1500  
Web Page: [www.cfsei.org](http://www.cfsei.org)

### OFFICERS

	Phone	FAX
President Marvin Mestanza	951-5916 <a href="mailto:m.mestanza@hawaiiintel.net">m.mestanza@hawaiiintel.net</a>	941-6489
Vice Pres Jeffrey Cudiamat	488-5000 <a href="mailto:engineer@structuralhawaii.com">engineer@structuralhawaii.com</a>	488-5099
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Director Paul Silen	735-3203 <a href="mailto:psilen@hdcc.com">psilen@hdcc.com</a>	
Past Pres Brian Enomoto	486-5202 <a href="mailto:brian@iwamotollc.com">brian@iwamotollc.com</a>	486-5206
Liaison Mardie Torres	499-1400 <a href="mailto:mtorres@hawaiiastel.com">mtorres@hawaiiastel.com</a>	499-1400

### CFSEI Hawaii Chapter Board

We wish to introduce the newly-elected directors of the CFSEI-Hawaii Chapter for the term 2008: Mr. Allison Agapay of Nagamine, Okawa Engineers, Mr. Jeffrey S. Cudiamat of Structural Hawaii, Inc., Jason Emoto of Shigemura, Lau, Sakanashi, Higuchi, Inc. and Akira Usami of Dietrich Metal Framing.

The CFSEI-Hawaii Chapter Board of Directors meets monthly to discuss the chapter business and programming. The minutes of each board meeting and the schedule of membership meetings are posted on the CFSEI website ([www.cfsei.org](http://www.cfsei.org)).

### CFSEI Installation Banquet on March 7

The 12th Annual Installation Banquet is scheduled for March 7, 2008 at the Honolulu Country Club from 5:30pm – 8:30pm. Registration starts at 5:00pm. The following will be installed as the chapter officers: Marvin Mestanza of Structural Analysis Group as President, Jeffrey Cudiamat as Vice President, Jason Emoto as Treasurer and Alison Agapay as Secretary for the term 2008-2009.

### Future CFSEI Programs

We have several topics being considered for 2008. Among these are mid-rise structures combined with non cold-formed steel (CFS) lateral systems, truss presentation and product standards and span tables in conjunction with the SSMA's new catalog. There will also be a seminar on fire/sound acoustic systems and advancements by Robert Wills of the American Iron & Steel Institute. If you have any suggestions on future program topics, please contact Marvin Mestanza.

### CFSEI supports HPSFA training program

The CFSEI-Hawaii Chapter has partnered with the HPSFA training committee in conducting seminars to building officials and inspectors on the latest references on steel framing in the new building codes. The first seminar was held in 2007 in Hilo. Seminars on Oahu, Kauai and Maui are also under way. For more information, please

contact Mardie Torres at (808) 485-1400 or visit [www.hawaiiastel.com](http://www.hawaiiastel.com).

### CFSEI National

The CFSEI national Board of Directors meets regularly every month. Their next annual meeting will be held March 31-April 1 in Orlando, Florida. The CFSEI will participate/exhibit in the following trade shows: SCI in Vancouver, British Columbia (April 24-26), Metalcon in Baltimore, Maryland, CCFSS at the University of Missouri-Rolla (October 15) & NCSEA in Cleveland, Ohio (October).

The CFSEI Tech Note on "Guide on Software Application" is expected to be issued in February while a handful of Tech Notes are anticipated to be published by April 2008 including a "Lateral Design Guide" soon after approval by the Technical Review Committee.

MetalCon will be held October 1-3, 2008 in Baltimore, Maryland. The first awards for Innovative Design and Distinguished Volunteer will be presented. The entry form and submission guidelines for the awards are available on the CFSEI website. Deadline for entries is June 1, 2008.

### CFSEI Young Engineers' Program

True to its commitment to improve quality of education for young engineers, CFSEI-Hawaii Chapter has launched its Young Engineers' Program aimed at introducing engineers to various cold-formed steel framing details and opportunities of visiting steel framing plants. For this program, please contact Brian Enomoto.

### Publications

We encourage you to keep at least one set of the cold-formed steel framing standards (general provision, header design, wall stud design, lateral design, truss design and the prescriptive method for one and two family dwellings with 2004 supplement). For an updated list of technical publication on CFS, please visit [www.cfsei.org](http://www.cfsei.org).

### CFSEI Corporate Sponsors

The CFSEI Hawaii Chapter recognizes the support of its corporate sponsors (initial list) for 2007/2008. Corporate sponsors help to support chapter activities and keep the chapter running smoothly. **14 gauge sponsors:** Dietrich Metal Framing and G. W. Killebrew (Allied Building Products Corp.). **16 gauge sponsors:** Coastal Construction Company, Inc., Hawaii Partitions, Kealoha Construction, Inc. Maryl Group, Inc. Simpson Strong-Tie Co., Structural Analysis Group Inc. **18 gauge sponsors:** Castle & Cooke Homes Hawaii. **20 gauge sponsors:** CEMCO, Grabber Pacific, Robert M. Kaya Builders, Inc. Thanks again for supporting the Hawaii Chapter CFSEI. We look forward to your continued participation throughout 2008.

### Membership

We are thankful to all members for supporting the CFSEI-Hawaii chapter in 2007. As you may know, the membership dues for the national SFA and HPSFA will be separate beginning in 2008. For those affiliating with the Hawaii Pacific Steel Framing Alliance, the chapter members have been categorized with special rates as our chapter dues are still forwarded to the national CFSEI which is the technical arm of SFA. We encourage you to renew your membership to both organizations. For more information about membership, please visit [www.cfsei.org](http://www.cfsei.org) or [www.steel-framing.org](http://www.steel-framing.org) for the application form. For more information, please contact Brian Enomoto.

## INTRODUCING THE INCOMING OFFICERS OF THE HAWAII COUNCIL OF ENGINEERING SOCIETIES, 2008-2009

### Chair Walter Billingsley, P.E.

Walter is a Civil/Sanitary Engineer and Project Manager with Belt Collins Hawaii. He is a licensed professional engineer in Hawaii with B.S. and M.S. degrees in Civil Engineering from the University of Hawaii and a B.S. degree in geography and environmental studies from the University of Victoria in Canada. Walter is currently serving as past president of the ASCE Hawaii Section and legislative co-chari of the Hawaii Water Environment Association. Walter has over 20 years of experience with a strong background in environmental and civil engineering.



### Vice Chair Dr. Song Choi

Song K. Choi received his B.S., M.S., & Ph.D. in Mechanical Engineering from Worcester Polytechnic Institute, Carnegie Mellon University, and University of Hawaii at Manoa, respectively. His specialization is in robotics with an emphasis in automatic control systems, vehicle design, and graphic monitoring systems for autonomous underwater vehicles. He returned to Hawaii in 1991 and has been a professor in the Department of Mechanical Engineering. He has been the assistant dean for the College of Engineering since 2004 and has been working with various primary, middle, and high schools in the State in promoting STEM education through robotics. He is an active member of various engineering and philanthropic societies including HCES.



### Secretary Grant Torigoe

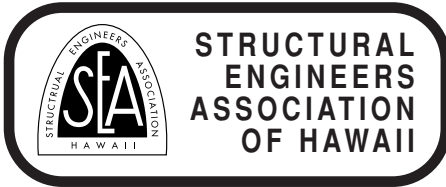
Grant is a Network Engineer with Hawaiian Telcom Inc. He graduated with a B.S. degree in Electrical Engineering from the University of Hawaii at Manoa. He has 10 years of experience at Hawaiian Telcom working with developers, consultants, and contractors to provide telecommunications cabling and infrastructure to various projects. He is the HCES representative from the Institute of Electrical and Electronics Engineers and has held various executive positions with the State Chapter over the past 12 years.



### Treasurer Samuel Dannaway, P.E., C.S.P.

Sam founded S. S. Dannaway Associates, Inc., in 1985 and today serves as President and Chief Fire Protection Engineer of the 12-person fire protection engineering consulting firm. He received his B.S. in Fire Protection Engineering from University of Maryland and is a Registered Fire Protection Engineer (California) and Registered Mechanical Engineer (Hawaii and Washington). He is Past-President and Board of Directors of the Society of Fire Protection Engineers (National and Hawaii Chapter), and served as a Volunteer Firefighter for the Prince Georges County Fire Department.





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

## 2008 BOARD OF DIRECTORS OFFICERS & DIRECTORS

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President	Ian Robertson <a href="mailto:ianrob@hawaii.edu">ianrob@hawaii.edu</a>	956-6536
Vice Pres.	Myles Shimokawa <a href="mailto:mshimo@ksfinc.us">mshimo@ksfinc.us</a>	593-0933
Secretary	Albert Fobel <a href="mailto:epi@hawaii.rr.com">epi@hawaii.rr.com</a>	521-6958
Treasurer	Lee Takushi <a href="mailto:ltakushi@ssfm.com">ltakushi@ssfm.com</a>	531-1308
Director	Kylie Yamatsuka <a href="mailto:kylie@baseengr.com">kylie@baseengr.com</a>	534-1300
Director	Brian Awakuni <a href="mailto:brian@masonryhawaii.com">brian@masonryhawaii.com</a>	841-6444
Director	Phil Gerwien <a href="mailto:phil@hise.com">phil@hise.com</a>	531-4627
Director	Tim Waite <a href="mailto:twaites@strongtie.com">twaites@strongtie.com</a>	479-1216
Past Pres	Gary Chock <a href="mailto:structures@martinchock.com">structures@martinchock.com</a>	521-4513

## HIGHLIGHTS OF BOD MEETING

February 6, 2008

### Committee Reports:

General Membership Meetings/Technical Seminars/Events:

- Training in seismic bracing of nonstructural elements (FEMA 74) will take place February 25 in Hilo, February 27 in Maui, February 29 in Honolulu and March 3 in Honokaa. This event is being coordinated with Jeff Lusk and Gen Tamura of FEMA in conjunction with AIA, CSI, DOE, DAGS, UH, DOH, County Building Officials, and ACECH. SEAOK membership may be invited pending space availability.
- On March 5, 2008, CCPI will be sponsoring a Design and Analysis: Macro Fibers in Concrete workshop to be presented by Dr. Ramakrishnan, Cliff MacDonald and Tim Folks. The workshop will be held at Pearl Country Club and the fee will be \$25 for SEAOK and CCPI members.
- Hilti Night will be held on March 10, 2008 at the Hilti store, 1199 Dillingham Blvd. from 6:00

to 7:00 PM. Hilti will be holding a workshop to showcase its products. This hands-on clinic will allow users to use tools, drill concrete, and set anchors at various stations. For more information contact Hilti's representative Jahida Nadi, 619-587-0977. RSVP to [jahida.nadi@hilti.com](mailto:jahida.nadi@hilti.com).

- The Masonry Institute of Hawaii will be sponsoring a workshop regarding interpretation of the new building codes. John Tawresey of KPFF Seattle will be the presenter for the workshop which is tentatively scheduled for March-April.
  - The Coasts, Oceans, Ports and Rivers Institute (COPRI) of ASCE will be holding a "Solutions to Coastal Disasters" conference on April 13 to 16, 2008 at the Turtle Bay Resort on Oahu; topics include mitigation against catastrophic events.
  - There will be a 2-day timber design seminar on April 15-16, 2008 sponsored by the Hawaii Lumber Products Association. Speakers from the American Forest and Paper Association will discuss topics such as the NDS, the Wood Frame Construction Manual and sustainability. The event will be held at Ala Moana Hotel and will include product representative exhibits and a workbook for design.
  - The Honolulu Department of Planning and Permitting will be hosting this year's Hawaii Association of County Building Officials conference May 12 to 16, 2008. The conference will include six ICC technical seminars. More information will be provided later.
  - The NCSEA Annual Meeting will be held October 23 to 25, 2008 in Cleveland, Ohio. A delegate from SEAOK will be in attendance.
  - The next SEAOK Board of Directors and Officers meeting will be held on Wednesday, March 5, 2008 at the University of Hawaii, Manoa. Contact SEAOK President Ian Robertson (956-6536, [ianrob@hawaii.edu](mailto:ianrob@hawaii.edu)) for more information.
- Membership Directory: The SEAOK 2007 Membership Directory was updated and emailed to our members in PDF format in December. This list has also been used as the master list for identification of Member and Allied members within the National Council of Structural Engineers Associations and the Western Council of Structural Engineers Associations.
- Disaster Response Committee: The Disaster Response Committee has updated the volunteer

list and established a standardized SEAOK evaluation data report form. The committee standardized form for assessment of structures damaged in a natural disaster will be posted on the SEAOK website. The SEAOK Response Procedures for Activating and Deploying Volunteer Building Safety Evaluation Engineers was distributed to County Civil Defense Agencies and State Civil Defense for their use after future disasters. SEAOK is also evaluating a request by State Civil Defense to develop Hawaii-customized ATC-20 and ATC-45 training presentations of about 2 hour length each.

Building Code Committee: The Committee discussed and developed recommended State Code structural amendments to 2006 IBC. SEAOK will be recommending that the IRC not be adopted.

Legislative Activity: Gary Chock presented a list of bills before the State House and Senate of interest to SEAOK membership. It was decided that testimony would be submitted by Ian Robertson on behalf of SEAOK on bills relating to the Loss Mitigation Grant Program and the potential for adding Earthquake Resistant Devices to the current Wind Resistant Devices eligible for grants under the program.

### New Business:

2008 SEAOK convention will be held in Hawaii from September 23-27, 2008. Room rates extended to SEAOK members and are \$195 per night from 9/20/08 to 9/30/08. Contact Constantine at 415-986-8400.

SEAOK is considering holding its 2008 convention in Kauai or Maui in early August; however, there are discussions about holding the conventions in Hong Kong or Shanghai/Beijing. Pricing options are being investigated and will be made available soon for polling by the membership.

### New Member Application:

Aaron Erickson's (Wiss Janney Elstner & Assoc.) application to be a SEAOK Allied member was approved.

Jonathan Brandt's (Allana Buick & Bers) application to be an Associate member was approved.

The following new member application has been received and is open for comments from the membership:

Danny Fujioka, Nagamine Okawa Engineers, Inc., as a Member.

(continued on page 11)

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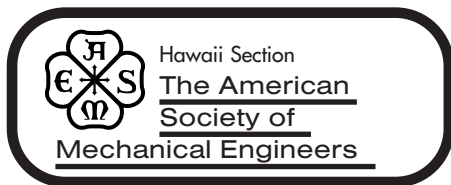
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#### ASME-HI 2008-2009 Officers

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Secretary	Ron Flegel	455-0265
Treasurer	Kevin Dang	737-1708
Dir 1 yr	Chester Kaitoku	527-6063
	<a href="mailto:ckaitoku@honolulu.gov">ckaitoku@honolulu.gov</a>	
Dir 2 yr	James Grogan	254-2947
	<a href="mailto:jfgrogan@worldnet.att.net">jfgrogan@worldnet.att.net</a>	

#### NEXT ASME-HAWAII SECTION MEETING

Date: March 11, 2008

Time: 5:30 pm to 7:00 pm

Speaker: Steve Tinker of Tinker Engineering LLC.

Mr. Tinker's presentation will be on what it takes to start and operate a one-man engineering company. Mr. Tinker provides services in mechanical inspection and certification of boilers, cranes and elevators; and includes system analysis and component sizing, accident investigation, written procedures, drawings and calculations, and quality control manuals for design, construction, repair and alteration of boilers, pressure vessels, elevators, cranes and heavy equipment.

Place: Restaurant to be determined.

Please contact Ray Liu or Ron Flegel for more information.

#### 2008 ASME-HI BALLOT & SURVEY

As of February 12, 2008, we received 31 ballots and/or surveys. This included 28 responses via SurveyMonkey.com. The Ballot & Survey deadline was February 29, 2008.

The Hawaii Section elected officers and directors for 2008-2009 are Chairman, Edmund Chang; Vice-Chairman, Derick Kam; Treasurer, Kevin Dang; Secretary, Ron Flegel; and Director, Chester Kaitoku. James Grogan is our "hold-over" Director.

Results of the survey will appear in future Wiliki articles. Thanks to all our members who completed and submitted their ballot and survey.

#### 2008 MATHCOUNTS COMPETITIONS – 25th ANNIVERSARY

The Oahu Chapter Competition was held Saturday, February 9, 2008, at the Kamehameha Schools Kalama Dining Hall. The following ASME members volunteered their Saturday morning to help proctor or score the competition: Ed Chang, Ron Flegel, James Grogan, Andy Ho, Chester Kaitoku, Derick Kam, Charly Kinoshita, Raymond Liu, Ken Mashima, Gene Nowak, Derek Sato, and Nathan Yuen. Please see the MATHCOUNTS article in this Wiliki issue.

The organizations helping with the proctoring and scoring included ASCE, ASME, HECO, SSFM International, SAME, and the U.S. Army Corps of Engineers. Our volunteer recruiter connections are Emi Kiyoi and Jennifer Chang of ASCE, Kevin Nakamoto of SSFM, Iris Terashima of SAME, and Lou Muzzarini of the CORPS.

#### NOMINATIONS FOR ASME-HI SECTION 2008 PROJECT/DESIGN OUTSTANDING ACHIEVEMENT AWARD

The nomination deadline is April 30, 2008. You can submit nominations any time before that date. If you know of any unusual or outstanding mechanical engineering-type project or design that have been completed within the past five years, please contact Ed Chang at 543-4227. The nomination process is very simple, easy, and fast.



[www.sfpehawaii.org](http://www.sfpehawaii.org)

#### OFFICERS

President	Melvin K. Harano, P.E.	848-6966
	<a href="mailto:harano@thermaleng.com">harano@thermaleng.com</a>	
Vice-Pres	Robert T. Bigtas, P.E.	526-9019
	<a href="mailto:Rbigtas-ssda@hawaii.rr.com">Rbigtas-ssda@hawaii.rr.com</a>	
Secretary	Derick Kam	848-6966
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Treasurer	Samuel S. Dannaway, P.E.	526-9019
	<a href="mailto:Sdannaway-ssda@hawaii.rr.com">Sdannaway-ssda@hawaii.rr.com</a>	

#### HAWAII FORENSIC FIRE SCENE RECONSTRUCTION SEMINAR

MARCH 18-19, 2008, Ala Wai Golf Course Clubhouse

Presented by the INTERNATIONAL ASSOCIATION OF ARSON INVESTIGATORS, the Hawaii Chapter of IAAI, and the Hawaii Chapter of the Society of Fire Protection Engineers (See attachment for more information and Registration Form.)

This 2-day Forensic Fire Scene Reconstruction Seminar is an excellent opportunity to learn and review the up-to-date scientific approach to analyzing a fire scene and reconstructing it to determine how the fire developed through basic fire dynamics and fire pattern analysis.

Dynamic speakers and authors, Dr. John DeHaan, author of Kirk's Fire Investigation and Dr. David Icove, co-Author with Dr. DeHaan of Forensic Fire Scene Reconstruction, show you how to apply engineering principles and practice to assess and investigate the impact of fires. This concept is essential for comprehensive and accurate fire scene investigation. This seminar will be based on the textbook Forensic Fire Scene Reconstruction. Dr. DeHaan's and Dr. Icove's presentations will be taken from topics and issues mentioned in the textbook.

Professions that would benefit from this informative seminar include: Fire Investigators, Fire Protection Technicians, Consultants and Engineers, Bomb and Arson Specialists, Coroner

#### 2008 Corps of Engineers Workshop

The 13th annual Honolulu District, U.S. Army Corps of Engineers workshop for architects and engineers, construction contractors and others in related fields, interested in doing business with the Corps will be held on Wednesday **April 23, 2008**, from 7:30 a.m. to 1:30 p.m. Please note the location for this year's workshop has changed to the Ala Moana hotel.

The theme this year is "A Green Future in the Pacific." The focus will be on informing private sector companies about what they must do to successfully execute work with the Corps. The agenda will include an update on upcoming Corps projects.

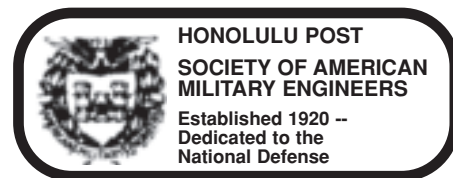
Most of the day will be devoted to a wide range of breakout sessions covering various government initiatives and technical subjects. Corps functional area specialists will participate and there will be ample time for questions.

A registration form will be provided in future mailing. Please reserve this date on your calendar.

Investigators, Arson Prosecutors, Insurance and Fire Litigation Attorneys, and Safety Professionals and Engineers.

**REGISTRATION:** \$245.00 IAAI Member / \$295.00 Non Member

**SEMINAR CONTACT:** Event Registration, (410) 451-3473



P.O. Box 31218, Honolulu, HI 96817

Web page: <http://posts.same.org/honolulu/>

#### SAME Honolulu 2007 Post Officers

President	CDR Roger Wykle, P.E., USCG
1st VP (Programs)	Mr Todd Barnes, USACE
2nd VP	
(Sustaining Members)	Mr Will Boudra, Forest City
3rd VP (Membership)	Mr Jerry Matsuda, M&E Pacific
Secretary	Lt Andy Wright, USCG
Treasurer	MAJ Robert Kroning, USA

#### Post Meeting Notes from February 2008

Over 160 people attended the Engineers Week Kick-Off Luncheon held February 19 at the Honolulu Country Club. The annual event is sponsored jointly by the Society of Military Engineers (SAME) and the Hawaii Council of Engineering Societies (HCES). Opening remarks were presented CDR Roger Wykle, President SAME Honolulu and Todd Barnes, HCES Chair.

Peter E. Crouch, Dean, College of Engineering, University of Hawaii, spoke about the upcoming events for Engineer's Week. He also spoke of the need for the Hawaiian economy having a workforce of skilled engineers and the success the University has had with providing well trained engineers.

Col William Corson HQ PACAF presented a donation of \$5,000 to Tragedy Assistance Program for Survivors (TAPS). The check was presented to Ms. Louise James, representing TAPS. The funds presented were part of proceeds from the 2007 PACAF Civil Engineers Conference, SAME Golf Tournament.

In addition to the \$5,000 TAPS donation, PACAF/A7 will be presenting the Honolulu Post with \$3,600 from additional funds raised during the 2007 PACAF Civil Engineers Conference. PACAF/A7 has already donated \$8000 to the Honolulu Post so this brings the total donation to \$11,600.

The guest speaker was The Honorable Mufi Hannemann, Mayor of the City and County of Honolulu. The Mayor spoke about the need for the Honolulu High-Capacity Transit Corridor Project, its plans and impacts on the military community. Technology selection is currently being reviewed. The current schedule is: Phase 1 Design/Build – start Q4 2009, Construction start Q4 2011, Opening in Phases – start Q4 2012. Additional project information is available at [www.honolulutransit.org](http://www.honolulutransit.org).

SAME Honolulu has announced the loading of its new website. The website contains the schedule of events for 2008, meeting notes and highlights of interest to military engineers. The website is [www.samehonolulu.org](http://www.samehonolulu.org).

The next SAME meeting is March 11 at the Hale Ikena, 11:30am. The featured presentation is Military Housing Privatization Program Status - Army, Navy, AF. Actus LendLease and Forrest City.

**See photos on next page**

# National Engineers Week 2008 in Honolulu



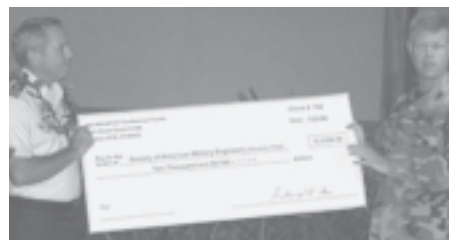
*Officers and representatives of the Hawaii Council of Engineering Societies met with Honolulu Mayor Mufi Hanneman for the signing of the proclamation honoring the 2008 Engineers Week in Honolulu.*



*Honolulu Mayor Mufi Hanneman presents Hawaii Council of Engineering Societies chairman Todd Barnes with the proclamation honoring the 2008 Engineers Week in Honolulu.*



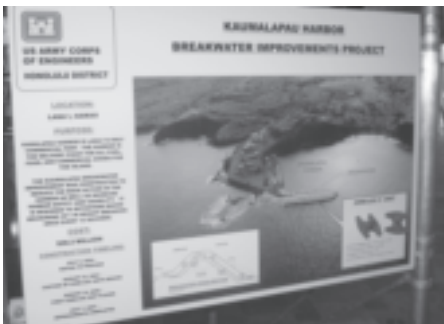
*CDR Wykle introduces Mayor Mufi Hannemann.*



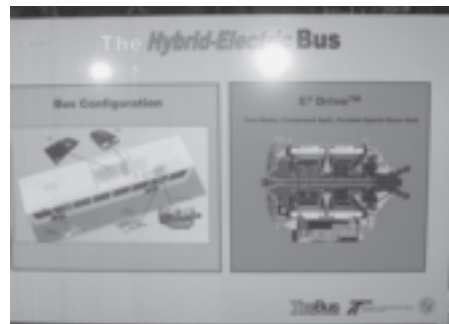
*COL Corson and CDR Wykle with PACAF's donation to Tragedy Assistance Program for Survivors.*



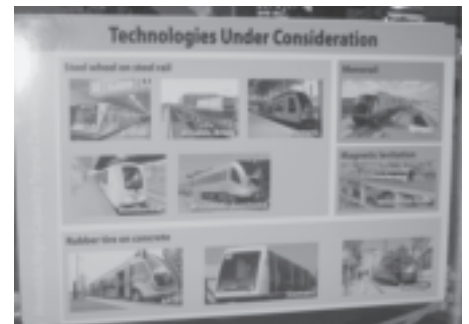
*Tragedy Assistance Program for Survivors representative Ms. Louise James receiving donation from PACAF.*



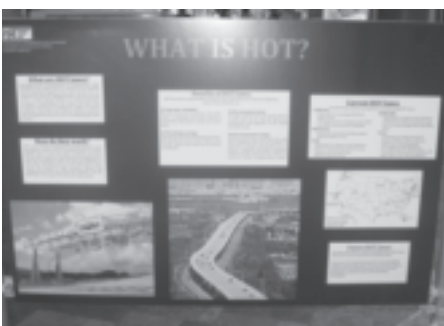
*US Army Corps of Engineers Honolulu District explain their breakwater improvement project for Kaunapau Harbor on Lanai.*



*The Department of Transportation Services Public Transit Division shows off their hybrid bus.*



*PB Americas displayed the various technologies under consideration for the proposed rapid transit system.*



*Institute of Transportation Engineers Student Chapter at UH Manoa explain the HOT lanes concept.*



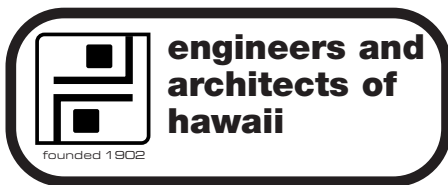
*We appreciate our generous sponsors.*

*The following firms and organizations were recognized for their displays at Pearl Ridge during the Engineers Week banquet:*

**Technical Merit Exhibit Award: KSF, Inc.**

**Presentation Exhibit Award: DTS Public Transit Division**

**Promotion of Engineering Exhibit Award: ASCE Younger Member Forum**



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

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#### March 08 Meetings

Programs and Speakers to be Announced

March meeting as follows

#### March 7, 14, and 28

#### March, 21 – No Meeting Easter

Meetings held every Friday (except Holidays) at YWCA room 205 on Richards Street downtown. Meetings start at NOON and end promptly at 1:00 pm. Parking at Alii Place off Alakea Street for \$1.50 per hour.

Buffet Lunch: Members-\$10.00, Guests-\$12.00, BYO lunches welcome. If not having the Buffet Lunch a donation is requested: Members \$2, Guests \$3; to help cover room rental costs.

Program schedule may be adjusted. Call Secretary Sam Gillie at 543-4739 (543-4804 FAX) to confirm speaker. Anyone wanting a weekly email meeting notice please send your email address to Sam Gillie at [sgillie@hei.com](mailto:sgillie@hei.com).

#### Past Meeting Reports

#### Meeting notes: January 11th, 2008

**Mel Lepine** returned to EAH after a short absence and gave us this story: A tough old Navy aviator told his grandson that if he wanted to live a long life, he should put a tablespoon of JP-4 jet fuel in his orange juice every morning. So the grandson joined his grandfather and did this religiously. The grandfather lived to the ripe old age of 105. He was survived by 2 son and 2 daughters, 21 grandchildren, 32 great grandchildren and 10 great great grandchildren and a 50 by 85 foot hole where the crematorium used to be.

**Bill Warren** won the game of skill and the Long's gift card. He donated balance of the kitty to the **Peter Burk** Scholarship fund.

**Speaker: William Leary, Navy Dry Dock Consultant.** **Subject: "Failure and Reconstruction of General Dynamics Electric Boat Drydock"** Mr. Leary gave a detailed presentation on the failure of the Graving Dock 3 (GD3). The drydock had been constructed in the eighties by fabricating a series of 62 foot circular caissons formed from sheet piling. The caissons were filled with structural fill and rock and were designed to fill and empty when the drydock was filled and emptied. The dock had an initial design life of about 15 years and had no corrosion protection. In May of 2004, one of the caissons failed as the drydock was being pumped out during the lowering of the new USS Jimmy Carter Attack Submarine. One caisson's sheet piling joint failed when the sea water in the caisson failed to drain properly, which resulted in

higher hydrostatic pressure on the caisson walls and joints. They successfully removed the USS Jimmy Carter and then started the emergency repair of the drydock. New concrete walls with tie-backs were installed in time for the next sub to be moved into the drydock from the adjacent building ways.

#### Meeting notes: January 25th, 2008

**Gary Yamamoto** advised the Association that he is preparing some clean up items in EAH By Laws and will present the change in the next few meetings. He also advised on the Association and the IRS. He initial thoughts are that EAH should not register as a official Non-profit association, because our finances are under \$5,000 not counting the in and out lunch moneys. These items will be discussed at the Board meeting.

**Justin Muller on Energy:** A thermodynamics professor had a bonus question on his exam, which asked based on Boyle's Law was Hell endothermic, takes heat in or is it exothermic gives heat off? One student replied, that all the Co-ed's he had dated had told him, they wouldn't make out with him until 'Hell Freezes Over'. So the student concluded, "Based on my social life Hell wasn't freezing over, therefore Hell must be exothermic."

**Speaker: Navy Captain Dean Leech and Neil Sheehan – Navy Ret.**

**Subject: "Navy Hawaii Range Complex – Sonar - EIS"** **Capt. Leech** started by providing the background on the extent of the operational theater for the Navy in Hawaii. The Navy does joint training with a number of other countries in the Pacific and Hawaii is the natural center for those training exercises. That is one of the reasons, why the Navy Hawaii Range Complex is so important to the Navy. The Navy has recently submitted their Environmental Impact Statement for the Hawaii Range Complex. On of the most controversial subject is the Navy's use of Active Sonar. That led into the use of the Navy's Sonar. Capt. Leech explained that no matter how good computer simulations are they can not compare to the real world. He explained the great difficulties a Sonar operator has in trying to detect and find an enemy submarine. Diesel submarines have advanced to the point that when their engines are off they are virtually completely invisible in the background noise of the Ocean and are impossible to detect without active sonar. Captain Leech said it was critical that Navy operators train in as close to real life as

possible.

#### Meeting notes: February 1st, 2008

**Speaker: Conrad Paulson, Principle at Wiss, Elstner Associates**

**Subject: "An Engineering History of Aloha Stadium"**

**Mr. Paulson** said he really appreciated presenting to EAH today as it gets him out of their Chicago office. He showed a nice winter picture of Chicago's snow covered streets taken by a WEB Cam from the window of his apartment. Mr. Paulson's firm is currently consulting on the Aloha Stadium and part of that work involved developing the history of the stadium. The stadium as most don't know is the only stadium in the country that can be reconfigured between baseball and football. This is done by inflating air bearings that allow the stadium sections to be moved. It was originally suppose to take only 30 minutes, but this goal was not met. It currently costs more to reconfigure to the baseball arrangement then what the Stadium can recover from the baseball income. So the decision has been made to leave the stadium in the football configuration. He provided the background on the non-corroding steel that was promoted in the early 70's, but it did corrode in Hawaii's environment. He talked about all the modifications that had been necessary to keep water out of / or away from the structural joints. The walkways between the sections also presented problems, because the natural frequency of the walkways matches the movement of the people walking across them.

#### HLISA, from page 2

**St. Anthony Jr/Sr High School:** Paul MacLeod (teacher), Surveyor's Supply Co. of Hawaii (sponsor)

#### MOLOKA'I

**Moloka'i High School:** Jonathan Smith (teacher), Ace Land Surveying LLC (sponsor)

#### BIG ISLAND

**Hilo High School:** Joell Kerr (teacher), WCIT Architecture (sponsor)

**Kamehameha High School-Hawaii:** Kawika Rose (teacher), Akinaka & Associates, Ltd. (sponsor)

*Submitted by:*

*Kevin K. Kea, LPLS, Trig Star Coordinator*

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## ASCE History, from page 4

Although acknowledging that some labor had to be imported to avoid the substitution of "Asiatic for white labor," the PCA strongly warned against the elements that, after the Great Earthquake of April 18, 1906, brought about the experience of "the rebuilders of San Francisco, who have had all the \$8 per day bricklayers and \$9 per day plumbers forced upon them by union rules that they crave [6/10/1908]."

Speaking on the wider labor conditions in Hawaii while on a general inspection tour of the Territory that included Pearl Harbor, U.S. Secretary of the Interior James Rudolph Garfield enunciated "there is one point regarding which I am clear - that you must positively get European labor in the Islands either directly or through the United States [EB 6/29/1908]." As if wishing to have the last word, however, the PCA came out against homesteading farmers from "Italy or Spain or Portugal" but favoring "[Anglo-Saxons and Celts] from an English-speaking American base [6/30/1908]."

Such was the ethnic and racial political climate of those times!

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

## SEAOH, from page 7

His application will be voted on at the April 2008 Board Meeting. Please notify any SEAOH Officer prior to the April 2008 Board Meeting if you wish to comment on this prospective member.

Dues statements for 2008 have been sent out and are due by March 7, 2008. There will be a membership information form included for updating.



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

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## FIRST Robotics Competition Volunteers Needed

The State of Hawaii will be the host for the first FIRST (For Inspiration and Recognition of Science and Technology) Robotics Competition regional tournament, March 27-29, 2008. Hosted at the Stan Sheriff Center, University of Hawaii at Manoa, this robotics competition will bring together 38 teams including 25 from Hawaii in a sports like event with robots. NASA is providing over \$800,000 over four years in support of the Hawaii FIRST Robotics Competition.

Hawaii's Veteran teams include McKinley High, Waiialua High, Waiakaa High, Punahou, and Hilo High. Rookie teams include St. Louis High, Kohala High, Waipahu High, Iolani, Maryknoll High, Kapolei High, Nanakuli High, Sacred Hearts Academy, Radford High, Campbell High, Baldwin High, Waimea High, Parker School, Island School, Honokaa High, Moanalua High, Hawaii Baptist Academy, Kanehameha Schools-Oahu, Maui High, and Farrington High.

FIRST Robotics Competition (<http://www.usfirst.org/default.aspx>) is a unique variety of sport of the mind, designed to help high school aged young people discovering how interesting and rewarding the life of engineers and researchers can be. It challenges teams of young people and their mentors to solve a common problem in a six week timeframe. The national kickoff event occurred at 5 a.m., Hawaii time, January 5, 2008, when the new game was announced (see the FIRST web site for the game animation called Overdrive) and a hundred pounds of parts were provided to the teams as the basis for building their robots. New this year is the use of a hybrid control that combines wireless infrared technology with an autonomous mode.

Teams build robots from the parts and enter them in competitions Designed by FIRST founder, Dean Kamen, Dr. Woodie Flowers and a committee of engineers and other professionals.

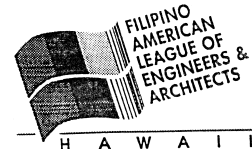
FIRST redefines winning for these students because they are rewarded for excellence in design, demonstrated team spirit, gracious professionalism and maturity, and the ability to overcome obstacles. Scoring the most points is a secondary goal. Winning means building partnerships that last.

What is unique about FIRST? It is a sport where participants play with the pros and learn from them. Designing and building a robot is fascinating real world professional experience. Competing on stage brings participants as much excitement and adrenaline rush as convention varsity sports tournaments. The game rules are a surprise every year.

The regional planning committee is continuing to seek volunteers for the March 27-29, 2008 competition; if you would like to volunteer or know teachers, colleagues, friends and others who want to volunteer, have them go to the VIMS web site at <https://my.usfirst.org/vims/logon.lasso?page=logon>. I would suggest they also

email volunteer coordinators, Osa Tui ([Osa\\_Tui@notes.k12.hi.us](mailto:Osa_Tui@notes.k12.hi.us)) or Carmela Minaya ([cminaya@hanalani.org](mailto:cminaya@hanalani.org)) to let them know of their interest, when they can volunteer and their preferred position. Volunteering can be from several hours or all 3 days if available. It will undoubtedly be a very rewarding experience for everyone. If there are any questions, please let me know. Having been involved with FIRST for the past 8 years, and having attended several tournaments on the mainland with Hawaii teams, it is an exciting 3 days of robotics that should not be missed. Mahalo for considering this unique experience and opportunity.

Volunteer Event Positions (full description available at the VIMS web site)



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