

## 2006 MATHCOUNTS NATIONAL COMPETITION

"A jar contains 8 red balls, 6 green balls and 24 yellow balls. In order to make the probability of choosing a yellow ball from the jar on the first selection equal to one-half, Kerry will add X red balls and Y green balls. What is the average of X and Y?" The answer to this problem made eighth grader Daesun Yim the 2006 MATHCOUNTS National Champion on May 12, 2006.

The National Competition in this 23rd year moved back to Washington, D.C., well, to close by Arlington, VA. Last year General Motors hosted the competition in Detroit, Michigan. This time the host was Lockheed Martin Corporation headquartered in Arlington. Both General Motors and Lockheed Martin are National Sponsors. The event was held at the Hyatt Regency Crystal City at Reagan National Airport, Arlington, Virginia. This prestigious competition drew 228 Mathletes from the 50 states, U.S. Territories, District of Columbia, and schools from the Department of Defense and State Department.

### HIGH SCORERS

To find the individual National Champion, the top 12 Mathletes, as a result of the written competition rounds, competed in the intense, one-on-one oral Countdown Round. The final two competitors were Yim of West Windsor, NJ and Andrew Ardito of Coxsackie, NY. Yim answered the "colored balls in a jar" math problem in 45 seconds. Also reaching the Semi-finals were Neal Wu of Baton Rouge, LA and Kevin Chen of Missouri City, TX. Wu was last year's National Champion as a seventh grader.

The top six of the 12 Mathletes competing in the Countdown Round included high written round scorer Neal Wu, and next Daniel Li, Kevin Chen, Nathan Benjamin, Daesun Yim, and Sam Keller.

Daniel Li of Fairfax, VA was part of the first place, Virginia National Team Champions.

### PRIZES

As National Champ, Yim received an \$8,000 scholarship, a trip to the U.S. Space Camp and a notebook computer. Second place Ardito received a \$6,000 scholarship. Semi-finalists Wu and Chen each received a \$4,000 scholarship. Wu also received an \$8,000 scholarship as the Written Round Winner, and Li received a \$6,000 scholarship as the Written Round Runner-up.

The first-place Virginia team members each received a \$2,000 scholarship, trip to U.S. Space Camp and a notebook computer.

### HAWAII MATHLETES

After the long, long flight from Honolulu to Virginia, and a tough competition, the Hawaii Team did have a great time touring the Nation's Capital and visiting with U.S. Senator Daniel K. Akaka. Obviously, jet lag has an effect on participants in competitions robbing them of that edge to make them competitive. The University of Hawaii football team can attest to that effect with their consistently poor performances away from home.

The Hawaii Team placed 37 out of the 57 teams at the National Competition. The highest scoring team member was Dong-Gil Shin of

Jarrett Middle School. He ranked 76 out of 228 competitors. His teammates included William Chambers of Iolani School, Edward Hon of Parker School, and Nicole Sato of Punahou School. Their coach was Li Ann Wada of Iolani.

Getting back to the effects of jet lag, the Hawaii Team did not fly the farthest distance, actually the Northern Mariana Islands and Guam Teams flew farther, but the Hawaii Team did have to go through six time zones to compete. If you arrive two or three days before the competition, you will still have trouble sleeping the night before the competition. Not getting enough sleep, your mind will not be as sharp for solving problems. Looking at the results, the top individuals had the advantage of being from the east coast. The top ten teams included Virginia, Indiana, Illinois, Massachusetts, Maryland, Pennsylvania, and North Carolina, from the east coast or eastern half of the mainland. Enough said about the effects of jet lag.

### SPONSORS

The Founding Sponsors of MATHCOUNTS are the National Society of Professional Engineers, the National Council of Teachers of Mathematics, and the CNA Foundations. National Sponsors also include Lockheed Martin, Raytheon Company, Texas Instruments Inc., General Motors Foundation, 3M Foundation, Northrop Grumman Foundation and National Aeronautics and Space Administration.

By the way, the answer to the final problem was five.



Visiting U.S. Senator Daniel K. Akaka, L-R: Li Ann Wada, Pauline Marcello, Edward Hon, Mathlete parent, Nicole Sato, Dean Sato, U.S. Senator Akaka, William Chambers, Rowena Blaisdell, and Dong-Gil Shin.



On their way to the awards banquet, L-R: Pauline Marcello, Nicole Sato, Rowena Blaisdell, Dong-Gil Shin, Li Ann Wada, Edward Hon, and William Chambers.



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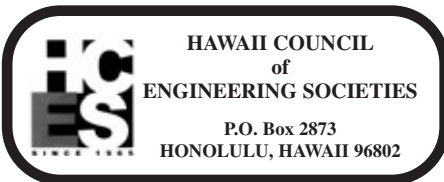
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**KNOW YOUR ASCE HISTORY**

by C.S. Papacostas

**BENDER'S ILL-FATED PLANS**

[Erratum: A misplaced sentence in last month's (June 2006) article created a wrong impression. Actually, the project that was completed in Sept. 1917 was the Mo'ole Ditch from Hillebrand Glen to Reservoir No. 4.] One of the first official proposals for the construction of a major reservoir in the vicinity of the current No. 4 in Nu'uauu Valley was made by Major A. S. Bender who, as I mentioned last April, was commissioned by the Kingdom in early 1884 "to take [the] question of water supply in hand," according to the Pacific Commercial Advertiser (PCA) of Feb. 16. The California consulting engineer was eventually asked to address the city's need for wastewater disposal and to assist in establishing street grades as well.

In his report to the 1884 session of the Legislative Assembly that opened on April 26, King Kalakaua was quoted, "My Minister of the Interior will also submit for your consideration, plans for the supply of Honolulu with an abundance of water to an extent commensurate with a large future development of the city." [PCA May 3, 1884].

A short report from Bender to Minister Charles T. Gulick is contained in the latter's report for 1884, which I discovered in the rare books section of the Hawaiian Collection at the University's Hamilton Library.

Bender's report, dated April 12, 1884, begins, "SIR: In obedience to your instructions, I have made preliminary examinations on the most eligible sites for storage reservoirs ... in both the Manoa and Nuuanu Valleys." He recommended "an earth or masonry dam of large dimensions. Considerations of real economy as well as due regard for the safety of private property lying below any site that may be selected, demand that this structure should be of the most enduring character." In order "to commence and carry on the work during the present fiscal period," he suggested the sum of \$200,000 and he concluded by saying that he had not as yet studied the role of artesian wells in the overall scheme of permanent water supply.

The 1886 Biennial report of Minister Gulick ascertains that the Bureau of Surveying had completed the first comprehensive mapping of the city's water supply system in 1883. It also contains, as appendices, four reports by Major Bender: a preliminary and a final report on the Water Supply of Honolulu dated June 12, 1884 and July 31, 1885 respectively, and a preliminary and final report on the Sewage of Honolulu, dated July 31, 1885 and March 31, 1886.

In the first report, he selected Nu'uauu Valley over Manoa for a storage reservoir and presented two alternatives that had been "contoured under the direction of the Surveyor-General." These were a large "upper site" and a preferred lower site "below the Pelly falls."

Having rejected an earth dam, he proposed a solid masonry dam, "a structure that would never be swept away, which an unusual disturbance of nature might injure to the extent of causing leakage and a gradual loss of the stored water, but not to that of occasioning its sudden and destructive descent upon the lands below." In addition, he specified a reservoir relying "upon a moderate and uniform depth rather than upon the natural condition of the basin" with "bottom and sides as impervious as possible." In this manner, sediment accumulation, vegetable growth, and evaporation would be minimized.

A distributing reservoir at an as yet unspecified location was to be excavated and "lined with some impervious coating, such as concrete, puddling or both."

In his final report, Bender confirmed the aforementioned "Luakaha" location as the better of the two considered and provided design details, including a 25-foot high dam with a reservoir elevation, when full, at 785 feet above mid-tide, an adjustable pipe "by means of which a supply may be drawn from the purest stratum," and a masonry double-chamber filtering reservoir near the head of the ditch with a water elevation at 378 feet. He also specified the necessary pipe configuration and the preferred location of a one-million gallon distributing reservoir "upon the spur of [Punchbowl] hill, nearly opposite the head of Emma Street... 190 feet above mid-tide."

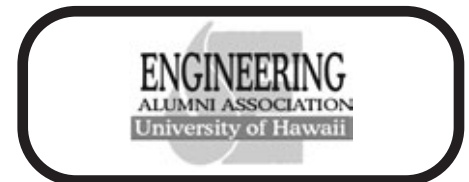
Finally, he proposed keeping the existing supplies "furnished by the pool at Kapena Falls [and] the Makiki source." Various references explain that both of these were operated with the use of masonry reservoirs.

In addition to his water supply and sewage works assignments, Bender was one of three engineers that oversaw the establishment of grades for streets and highways. The other two engineers were J. D. Brown and Julius H. Smith, Superintendent of Public Works [PCA Nov. 10, 1886].

Interestingly, on Dec. 29, 1884, that is, before issuance of Bender's final report on the subject, Minister Gulick published a request for proposals to construct, in accordance with plans and specifications, a storage reservoir, "a dam of first class rubble masonry laid in full beds of hydraulic cement," distribution pipes, and a concrete or brick-work distributing reservoir, with a proviso that "the Minister reserves the right to reject the lowest or any bid."

According to Thos. F. Sedgwick's "History of the Honolulu Water Works" that was published in 1913, "Major Bender's plans were not carried out at this time."

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 [msp@wiliki.eng.hawaii.edu](mailto:msp@wiliki.eng.hawaii.edu)). Previous articles in the series may be found at the Section's web site. Just point your browser to <http://www.ascehawaii.org>.

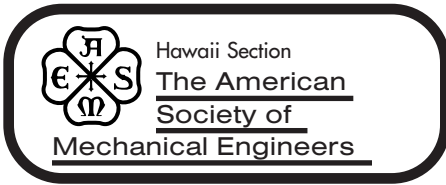


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**2006 EAAUH Golf Tournament:** The annual scholarship golf tournament will be held on July 28, 2006 at the Pearl Country Club. If you would like to help, please contact Matt Fujioka ([mkf@akinaka.com](mailto:mkf@akinaka.com)) or Reid Ikemori ([rki@akinaka.com](mailto:rki@akinaka.com)) for more information.



Website: [www.sections.asme.org/hawaii](http://www.sections.asme.org/hawaii)

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#### NEXT ASME-HAWAII SECTION MEETING

Date: July 10, 2006  
 Time: 5:30 pm to 6:30 pm  
 Agenda: The ASME-HI 2006 Outstanding Project Award Presentation.  
 Place: Hawaiian Electric Ward Avenue Cafeteria

The Honolulu Advertiser's Bill Bogert, Vice President of Production, will accept the 2006 award plaque for the Kapolei Printing and Production Facility.

Please contact Ray Liu or Kevin Dang for directions and for more information. The meeting day has been changed to the second Monday of every other month.

#### 2006-2007 ASME-HI OFFICERS

July 1 marked the beginning of the new term in office for the ASME-HI Executive Committee. Many thanks to Ray Liu, Chairman; Derick Kam, Vice-Chairman; Kevin Dang, Treasurer; Ron Flegal, Secretary; Jim Grogan, Director; and Chester Kaitoku, Director, for volunteering their time and effort to keep the Section going.

#### RED HILL FUEL OIL TANK FARM TOUR

The tour is in the works. Please keep watching the Wiliki and the ASME-HI website for more information.

#### ASME HAWAII P.E. REFRESHER COURSE

Reminder: The ASME Hawaii section wants to conduct a P.E. refresher course, which will start in August of 2006. Qualified candidates should already have signed up to apply for the October 2006 exam by July 2006.

All candidates interested in signing up for this P.E. refresher course should email Ray Liu ASAP at [liur020@hawaii.rr.com](mailto:liur020@hawaii.rr.com) or call him at 497-195.

#### ASME HAWAII SECTION ELECTION ACTIVITIES

ASME-HI members are signing up to become Precinct Officials for the 2006 Primary and General Elections. This is an excellent fundraising opportunity for nonprofit organizations like ASME. Although each Election Day is long (5:30 a.m. to 7:00 p.m.), some believe it is better than buying tickets or cookies and giving them away. Besides, this is a way to work with others, possibly making new acquaintances, instead of sitting in front of the TV.

#### POWER TECHNICAL CHAPTER

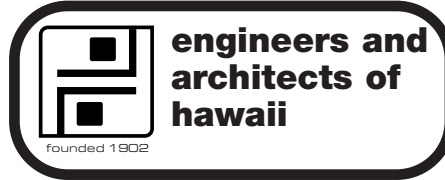
Ed Chang, well HECO, recently procured a NITON Alloy Analyzer. The instrument is used to verify boiler, pressure vessels, pump, and turbine component materials before repair welding and to identify stock materials whose markings have faded away. This analyzer is a tube-based.

What about a demonstration of an orbital pipe welding system? If you are interested in one of these demonstrations, please visit the ASME-HI Power Technical Chapter site at [www.sections.asme.org/hawaii/power.html](http://www.sections.asme.org/hawaii/power.html).

#### FIRST LEGO LEAGUE ATLANTA COMPETITION

At the FIRST FLL World Festival in Atlanta, Team S.P.I.D.E.R.S. finished in the top half with over 80 teams competing. The Hawaii team performed their best and was nominated for the "Gracious Professionalism" award. With their bright Hawaiian shirts and aloha spirit, the team enjoyed the SuperBowl atmosphere on center stage of the Georgia Dome.

The S.P.I.D.E.R.S. thanks you for all your support. ASME-HI Treasurer, Kevin Dang, is a coach for the team.



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#### EAH July Meeting Schedule: See EAH Website

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-\$8.00, Guests-\$9.00, BYO lunches welcome. If not having the Buffet Lunch a donation is requested: Members \$1, Guests \$2; 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).

#### Meeting Notes May 5th, 2006

Speaker: Woodrow Goins, Director, FEMA Pacific Area

Subject: "Role and Mission of the FEMA Pacific Region"

Mr. Goins talked about FEMA in Hawaii and the Pacific. He said the Guam is ground zero for FEMA in the Pacific, because Guam annually is impacted by Typhoons. FEMA direction now is to better stage emergency

equipment in remote areas like Hawaii and Guam. He explained that FEMA can not react immediately and the individuals need to be prepared to take care of themselves for up to 72 hours or three days.

#### Meeting Notes May 12th, 2006

Speaker: Laura H. Thielen, Director State Office of Planning

Subject: "Low Impact Design"


Ms. Thielen talked about the new state zoning classification "Rural". Rural designates that development would occur on ? acre plots. The Office of Planning and Hawaii Coastal Zone Management Program (OP/CZM) are holding a second set of informational workshops on rural planning to be held in each county between June 13-19. The work shops are part of the OP/CZM's Rural Policy & Best Practices Project, a project to assist the counties and the State in examining how rural land use polices and standards might be improved to ensure that Hawaii's rural areas and communities remain part of the legacy we leave to future generations.

#### Meeting Notes May 19th, 2006

Speaker: Dan Smith VP Public Relation Hawaiian TelCom

Subject: "Hawaiian TelCom back in Paradise"

Mr. Smith talked about how Hawaiian TelCom has restarted itself in Hawaii after the change from Verizon. Hawaiian TelCom has made a commitment to serve Hawaii from Hawaii and not for call centers on the mainland or overseas. This is requiring that they make major investment in Hawaii's infrastructure, such as their new network control center. They had several offer to locate the center on the mainland, but chose to locate in Hawaii, because ... that's where the network is.




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- ✦ 2-3 years strong professional/investigative/managerial work experience desired
- ✦ 23-36 years of age
- ✦ Drug policy/drug testing mandatory
- ✦ Entry-level salary (GS-10) is \$50,383 Academy training; \$60,666 - \$68,632 upon graduation, including locality/availability pay



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	email: <a href="mailto:kniya@atahawaii.com">kniya@atahawaii.com</a>	

### JULY DINNER MEETING

Program: **Dr. Ian Robertson, Professor, Department of Civil and Environmental Engineering, University of Hawaii at Manoa**  
Dr. Robertson will report on current structural engineering research at the Department and provide an update on the state of development of the new Civil Engineering Research Park, CERP.

Date: **Thursday, July 20, 2006**

Location: Treetops at Paradise Park, Manoa Valley

Time: 5:30 p.m. - Social Time  
6:30 p.m. - Dinner  
7:30 p.m. - Program  
9:00 p.m. - Adjourn

Menu: Multi-entree buffet

Cost: \$22.00 for Hawaii Section members  
\$25.00 for non-section members and guests  
\$11.00 for University of Hawaii at Manoa Student Chapter members

Please make checks payable to ASCE-Hawaii Section and mail to Mike Hunnemann, ASCE Treasurer, c/o KAI Hawaii, 31 N. Pauahi Street, 2nd Floor, Honolulu, Hawaii, 96817, postmarked by Monday, July 17, 2006. Reservations for the dinner meeting to Mike Hunnemann by Monday, July 17, 2006, by phone at 791-3980, fax at 533-2686 or email at [mhunnemann@kaihawaii.com](mailto:mhunnemann@kaihawaii.com).

### EXECUTIVE COMMITTEE MEETING

July 10, 2006

### WESTLEY CHUN – CANDIDATE FOR ASCE REGION 8 DIRECTOR



Westley K.C. Chun, Ph.D., P.E., DEE, F.ASCE, Past President of the ASCE Hawaii Section, is a candidate in the contested election for Director of ASCE's newly formed Region 8. Region 8 consists of the Alaska, Arizona,

Columbia, Hawaii, Inland Empire (Eastern Washington and Northern Idaho), Montana, Nevada, Oregon, Seattle, Southern Idaho, Tacoma-Olympia, and Utah sections. The Region 8 Board is made up of a Director and 7 Governors. Westley is currently serving as a Governor, and if elected as Director, will serve in that position for three years, beginning in October 2006. In addition to serving as Chair of the Regional Board, the Regional Director represents Region 8 on ASCE's National Board of

Direction.

Westley's biographical sketch and candidate's statement are provided below and are also provided at: <http://content.asce.org/election/BoardofDirectorsElectionsBios.html#Chun>

The Hawaii Section fully endorses Westley's candidacy and strongly encourages all members to vote in this important election. Westley has made a big commitment to ASCE and to the civil engineering profession by serving on the Region 8 Board and by accepting the nomination to run for Region 8 Director in a contested election. Please be sure to vote and encourage your fellow members to do the same!

Eligible members can begin voting for Board officers on June 15. Paper ballots will be mailed in the June issue of ASCE News. An online ballot will be available starting June 15. Eligible members with valid e-mail addresses on file as of May 15 will receive their unique e-signature code via broadcast e-mail between June 14 and 22. If you have not received notification of your e-signature by June 22 please contact ASCE Member Services at (800) 548-ASCE (2723) for assistance.

Any member wishing to vote who does not know their membership number should contact our membership chair, Lori Nishida, at Austin Tsutsumi and Associates, 533-3646 or by e-mail at [lnishida@atahawaii.com](mailto:lnishida@atahawaii.com). For any other questions regarding voting, please contact Walter Billingsley, ASCE Hawaii Section President at 846-3232 or by e-mail at [wbillingsley@beltcollins.com](mailto:wbillingsley@beltcollins.com), or any ASCE Hawaii Section Executive Committee member.

### BIOGRAPHICAL STATEMENT

Westley Chun received his B.S., M.S., and Ph.D. degrees in Civil Engineering; is a Diplomat of AAEE; and is a licensed professional engineer in Hawaii, Guam, and California. Westley is a senior project manager in CH2M Hill's Honolulu Office. He has planned and designed water and wastewater

systems throughout the West Coast, Alaska, Hawaii, Pacific Islands, Southeast Asia, and Eastern Europe. His projects received awards from the ACEC, AIA, and NWRI.

Westley is a Fellow, Region 8 Governor, Past President of the Hawaii Section, and Chair of the Hawaii Council of Engineering Societies. While serving on its Executive Committee, the Hawaii Section received the Outstanding Zone IV Large Section Award for 4 consecutive years, including the year that Westley served as its President. Westley is also active in the local chapters of APWA, ACEC, and WEF; and initiated several task forces and associations to protect public health and safety.

### CANDIDATE STATEMENT

During my term in office as Region 8 Director, I will focus on increasing the value of an ASCE membership in the following ways:

- 1) Establish an internship program for student members to help them obtain work experience and job offers before graduating, and to facilitate their transfer into younger member groups.
- 2) Provide the framework for each Region, partnering with the Institutes and other organizations, to sponsor regional conferences or workshops. These activities will provide an opportunity for members to receive continuing education units and for regions to raise funds.
- 3) Use conference or workshop proceeds to minimize or eliminate the need to solicit section contributions to fund regional activities and programs.
- 4) Expand membership by targeting public sector employees with reduced dues and by providing greater opportunities for networking between members and high-level public sector employees.

### GOVERNMENT RELATIONS: POLITICAL ACTION COMMITTEE FORMATION

ASCE has worked hard in recent years to  
*(continued on page 6)*

## ACI Concrete Field Technician Program – Grade 1 Certification

*Sponsored by the Cement and Concrete Products Industry of Hawaii*

*The ACI Certification Program for Concrete Field Testing Technician - Grade I is for the purpose of certifying concrete technicians who have demonstrated the knowledge and ability to properly perform the seven (7) basic field ASTM tests on freshly mixed concrete.*

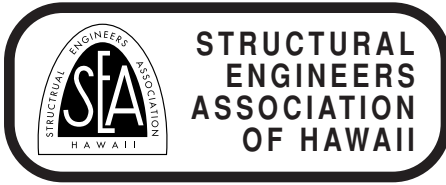
**Session I Classroom Training and Practice Session: Classroom training-Tuesday, August 1, and Thursday, 3, 2006** from 3:30 pm to 5:30 pm at CCPI office, 2153 N. King Street, Suite 327, Honolulu, Hawaii. Performance practice session week of August 7, 2006, from 10:00 am to 1 pm at Hawaiian Cement - Halawa, 99-1300 Halawa Valley Street, Aiea, Hawaii.

**Session II Examination only: Saturday, August 12, 2006**, from 7:00 am to 1:00 pm (specific times to be announced). Location will be Hawaiian Cement-Halawa, 99-1300 Halawa Valley Street, Aiea, Hawaii.

**Session I:** Registration is \$150 per person and includes Classroom Training and Practice Session, ACI Technician Workbook and Manual. **Session II:** Examinations only. Full Exam (written/performance) \$200. Re-take for written exam only \$100. Re-take for performance only \$125. Class size is limited to 12 people. All fees must be received prior to the session date you are attending, no exceptions. Registration deadline is August 1, 2006.

**For additional information or to register, call CCPI at 848-7100 or email to [wkawano@ccpihawaii.org](mailto:wkawano@ccpihawaii.org)**





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### HIGHLIGHTS OF BOD MEETING

June 15, 2006

#### Committee Reports:

General Membership Meetings/Technical Seminars/Events:

- CCPI/Degussa Seminar State of the Art in Concrete Repair and Strengthening is scheduled for June 21, 2006 from 8:00 am to 2:30 pm at Pearl Country Club Pavilion.
- ASCE/SEAOH Joint Membership Meeting is scheduled for July 20, 2006 at Treetops Restaurant at Paradise Park, Manoa Valley from 5:30 pm to 9:00 pm. The speaker will be Dr. Ian Robertson who will report on current structural engineering research at the Department of Civil and Environmental Engineering and provide an update on the Civil Engineering Research Park (CERP)
- PCI Design Handbook 6th Edition Seminar sponsored by CCPI is scheduled for July 25, 2006 from 8:00 am to 4:30 pm at the Pagoda Hotel C'est Si Bon 2nd Floor.
- Simpson Strongtie Seminar scheduled for July 25 and 26 at the UH Art Building.
- LGSEA Meeting is scheduled for August 10, 2006. The location is to be determined. The speaker of the meeting will be Dr. Ian Robertson and the topic will be Load Bearing Top Plates.
- CCPI annual Meeting will be held at the Hapuna Beach Prince Hotel on October 12 and 13, 2006.
- AISC 13th Edition Design Handbook Seminar is scheduled for October 26, 2006.

#### Golf:

The next golf outing will be on Friday, November 24, 2006. The time and location are to be determined.

#### Legislative:

Although the proposed amendment by the Coalition of Hawaii Engineering and Architectural Professionals to prohibit procurement contracts from requiring Contractors to "Defend" the State did not pass this past legislative session, it appears that DOE and DAGS are allowing the prime consultant to cross out the "Defense" clause from their contracts.

State DOT still requires the "Indemnification and Defense" clause to remain in their contracts.

#### Young Member Committee:

A social gathering is being planned at Matters of Taste (Gentry Pacific Design Center) for the Young Member Committee. The gathering will consist of an appetizer and 3 courses, with a wine pairing for each course. Date and cost will be provided once they are known.

#### New Member Applications:

Kylie Yamatsuka's application to be a Full SEAOH Member was approved. No new applications for SEAOH membership were received to vote on.

#### New Business:

The County of Hawaii (Big Island) was in the process of adopting the 1997 UBC, however they are now hoping to put together a draft bill by the end of November 2006 to adopt the 2006 IBC/IRC. We expect to receive a draft of the proposed amendment in the near future for review and comments. It will be posted on our web site when available. Should any one have any comments or recommendations, please forward them to Gary Chock for consolidation.

#### Old Business:

SEAOH Representative for 2006 Hawaiian Cement Concrete Achievement Award: President B. Fung and Dean Doi are representing SEAOH as jurors to serve on the review and selection panel for the 2006 Concrete Achievement Award. The judging is from June 13, 2006 to June 29, 2006.

#### Public Outreach Seminar/Event:

G. Chock prepared a "Wind Resistance Devices Technical Specs" for the State of Hawaii Department of Commerce and Consumer Affairs Loss Mitigation Grant Program. This document includes five (5) options for hurricane retrofitting. The Loss Mitigation Grant Program provides a retrofit grant of up to 35% of the hard cost, or up to \$2,100. The document is currently under review and comments, however it is anticipated that most of the comments will not pertain to the technical points of the document.

Tim Waite (Simpson Strong Tie) volunteered to join the Public Outreach Committee. Potential speakers for the Public Outreach Seminar have not yet been contacted.

Tentative date for the Public Outreach Seminar will likely be when the "Wind Resistance Devices Technical Specs" goes public, which is expected to occur in mid-September. The SEAOH membership will be briefed on this topic of hurricane retrofitting prior to the Public Outreach Seminar.



### HAWAII CHAPTER

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Web Page: [www.lgsea.com](http://www.lgsea.com)

### 2006/2007 Officers and Directors:

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Vice Pres	Brian Enomoto 486-5202	486-5206
	<i>brian@iwamotollc.com</i>	
Secretary	Adrian Lee 536-7692	537-9022
	<i>alee@tanimuraeng.com</i>	
Treasurer	Marvin Mestanza 951-5916	941-6489
	<i>m.mestanza@hawaiiantelcom.net</i>	
Director	Akira Usami 682-5747	682-2928
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Director	Will Wong 682-6000	682-6001
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	<i>shanea@huntbuilding.com</i>	
Past Pres	Jeff Hanyu 536-2108	521-3000
	<i>jeffhanyu@allisonide.com</i>	

### LGSEA Hawaii Chapter Board

The LGSEA-Hawaii Chapter Board of Directors meets monthly to discuss the chapter business and programming. The minutes of every board meeting and schedule of membership meetings are posted in the LGSEA website. If you have any suggestions, please contact Tim Waite, Chapter President at (808) 479-1216.

(continued on page 7)

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## ASCE, from page 4

build a government relations program to serve the needs of its membership and advance the profession of civil engineers, especially in Washington, DC. In July 2005, a Task Committee on Political Involvement was formed to examine how ASCE could increase our success and enhance our efforts in the political arena.

One recommendation was the formation of a political action committee (PAC). This committee would allow ASCE members to pool our resources to support candidates for public office. Other professional organizations such as the American Medical Association, American Institute of Architects, American Banking Association, and National Association of Realtors have PACs. With a PAC, we will have greater access to and recognition with elected officials, and be able to raise the profile of ASCE in Washington, DC.

As with any initiative, there will be differences of opinions. Before the ASCE Board of Directors proceed any further in discussing the next steps in the formation of a PAC at their October 2006 meeting, we would like to hear from you regarding this issue. Please contact any member on the Executive Committee if you have any questions or concerns.

## STUDENT CHAPTER COMPETES IN NATIONALS

The University of Hawaii ASCE Student Chapter competed in the AISC National Steel Bridge Competition and placed 18th out of 45 schools. This was the first time the University qualified for the National Competition, which was held in Salt Lake City, Utah Memorial Day Weekend. The Student Chapter qualified by placing third overall in the Steel Bridge Competition at the Pacific Southwest Regional Conference held at UCLA. The Steel Bridge team members were: Bryan Lum (Captain), Brendon Hayashi, Renee Ishisaka, Travis Nishino, Kim Tanaka, and Brandon Weaver.

## HAWAII SECTION OUTSTANDING CIVIL ENGINEERING ACHIEVEMENT (OCEA) AWARD NOMINATIONS FOR ASCE HAWAII SECTION OCEA AWARD

The ASCE Hawaii Section annually recognizes an exemplary civil engineering project as the Outstanding Civil Engineering Achievement (OCEA). This prestigious award recognizes the project that best illustrates superior civil engineering skills and represents a significant contribution to civil engineering progress and society.

The 2006 Hawaii Section OCEA Award winner will be announced and the award presented to the project owner at the Hawaii Section Annual Banquet in October. OCEA Awards of Merit may also be awarded. The Hawaii Section OCEA Award winner will be nominated for the 2007 ASCE National OCEA Award to be presented next spring.

Nominations for the 2006 Hawaii Section OCEA Award may be submitted by the individual firms or agencies involved in the project. The project must be located either in the State of Hawaii or in a location that is not under the jurisdiction of another ASCE Section. The level of project completion required to be eligible for the OCEA Award depends on the type of project.

Please download additional information located at the following site: <http://www.asce-hawaii.org/awards.html#oce> Deadline for nominations is Friday, September 15, 2006. Please submit six (6) copies of each nomina-

tion to Awards Committee Chair Benjamin Rasa of Belt Collins Hawaii, 2153 North King Street, Honolulu, Hawaii 96819. If you have any questions, please e-mail Ben at [brasa@beltcollins.com](mailto:brasa@beltcollins.com) or call 521-5361.

## 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)
- Brown and Caldwell (Civil or Mechanical Engineer - Honolulu, Project Manager - Maui)
- Engineering Solutions, Inc. (Civil/Sanitary Engineers)
- Fewell Geotechnical Engineering (Geotechnical Engineer - Honolulu)
- Fukunaga & Associates (Civil and Civil/Environmental Engineers - Honolulu)
- Towill, Shigeoka & Associates, Inc. (Licensed Professional Land Surveyor, Computer/Draftsperson (CAD), experienced Party Chiefs and Rodpersons for Oahu and Kona)
- Warren S. Unemori Engineering (Project Engineer, Civil Engineer, & CAD Operator - Wailuku)
- Bills Engineering Inc. (Civil Engineer and Engineering Assistant)

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



## 2005-2006 YMF OFFICERS

		Phone
President	Florence Ching <a href="mailto:fching@ascehawaii.org">fching@ascehawaii.org</a>	227-4704
Vice-Pres	Lori Nishida <a href="mailto:lnishida@atahawaii.com">lnishida@atahawaii.com</a>	533-3646
Secretary	Lisa Takushi <a href="mailto:ltakushi@ascehawaii.org">ltakushi@ascehawaii.org</a>	531-2462 ext. 231
Treasurer	Morgan Branch <a href="mailto:mbranch@ascehawaii.org">mbranch@ascehawaii.org</a>	545-2462 ext. 108
Past Pres	Paulette Ujimori <a href="mailto:pujimori@ascehawaii.org">pujimori@ascehawaii.org</a>	257-6920 ext. 231

## Next YMF General Meeting

The next YMF general meeting is scheduled for Tuesday, July 11, 6:00 PM, at E&O Trading Company Restaurant at Ward Centre, 591-9555. If you are interested in attending to find out what the YMF is all about, please contact Florence Ching at 227-4704.

## 2006 CYM Website Award for Small Groups

The Hawaii Section YMF has been selected as the recipient of the 2006 CYM Web site Award for Small Groups. The purpose of the Younger Member Group (YMG) Website Award is to promote and encourage Younger Member Groups (YMG) to host a website to share information with its members. There are two awards given annually, one for large groups and one for small groups.

## Summer 2006 PE Refresher Course

Dates: Saturdays, August 12th to October 14th, 2006, 9:00 A.M. to 12:00 P.M.

Location: University of Hawaii at Manoa, Engineering Building, Holmes Hall Room 208.

Cost: \$300 Early Registration Fee for ASCE Hawaii Section Members  
\$375 Early Registration Fee for Non-ASCE Hawaii Section Members

Early Registration Deadline is July 14, 2006. Add \$50 late fee to registration fee if payment is postmarked after July 14, 2006. Class size is limited and registration is done on a first-come first-served basis. Prices are subject to change after class begins.

Topics covered include Transportation, Environmental, Geotechnical, Water Resources and Structural. Class attendees will receive a copy of Michael R. Lindeburg's Civil Engineering Reference Manual for the PE Exam (10th Edition), copies of lecture notes, and study supplies. Attendees will also have the option of ordering additional reference material at discounted prices.

To sign up for the Summer 2006 ASCE Hawaii Section YMF P.E. Refresher Course or for more information please visit <http://www.ascehawaii.org/yymf/PErefresher.html> or contact Lori Nishida at 587-6447 or [lnishida@atahawaii.com](mailto:lnishida@atahawaii.com).

## Kalani High School Service Project

Please join other ASCE YMF volunteers as we paint the interior of the Kalani High School cafeteria dining area on Saturday, August 19 beginning at 8:30 am. Supplies have been donated by parents of Kalani High School students and YMF. Lunch and refreshments will be provided. 30 to 40 volunteers are need to complete this project so please help Kalani High School with this priority project. No painting experience needed. To sign up or if you have questions, contact Tony Lau at [tlau@hawaiiipacificengineers.com](mailto:tlau@hawaiiipacificengineers.com) or at 522-7426.

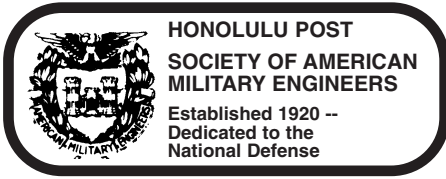
## 2006 Younger Member Employer Recognition Award

ASCE Hawaii Section YMF is requesting nominations for the 2006 Younger Member Employer Recognition Award. Nominations are strongly encouraged to recognize those employers who support their Young Engineers to get involved within ASCE, the engineering community, and their organization. This award was created to recognize those employers who acknowledge that Young Engineers are today's leaders in the profession and encourage their personal development.

CYM will review nominations at its Fall meeting and a winning list of organizations will be submitted for publication in the Civil Engineering magazine or ASCE News in addition to the Younger Member Newsletter. Winning organizations will also be recognized in their local community.

CYM will also award Superior Employer Recognition to a nominee that shows exemplary support of their Young Engineers in their organization. The name of the winning organization will be submitted for publication in the Civil Engineering magazine or ASCE News in addition to the Younger Member Newsletter.

If you are interested in submitting a nomination, please contact YMF Awards Committee Chair Lauren Ishima at [lishima@hawaiiipacificengineers.com](mailto:lishima@hawaiiipacificengineers.com) or at 808-440-8496. Nominations are due to Lauren no later than July 18, 2006. For more information on award criterion and award nomination forms visit the CYM website at [http://www.asce.org/press-room/honors/cym\\_awrds.cfm](http://www.asce.org/press-room/honors/cym_awrds.cfm) or contact Lauren.



P.O. Box 31218; Honolulu, HI 96817  
<http://posts.same.org/honolulu/>

**2006/2007 Post Officers**

President: CAPT David Fleisch, USN  
 1st VP (Programs): Mr Todd Barnes, Weston Solutions  
 2nd VP (Sustaining Members): Mr Will Boudra, Forest City  
 Secretary: Col Kevin Wong, USAF  
 Treasurer: MAJ Robert Kroning, USA  
 Directors at Large:  
 CAPT Bob Mclean, USN;  
 CAPT Matt Cutts, USCG;  
 COL Ray Scrocco, USA

**New Post Officers Installed**

The Honolulu post of the Society of American Military Engineers installed new officers at the June luncheon. The 2006/2007 post officers are shown above.

**Thanks to our outgoing Post President**

Colonel Steve Hoarn has served with distinction as the SAME Honolulu Post President for the last two years. Normal tenure is one year; however, he volunteered to accept a second year in office. Under his leadership the Honolulu Post has been selected as a SAME Distinguished Post both years running. The distinction is judged upon criteria within categories of membership (individual memberships and sustaining member firms have both increased), relationships and recognition (coordination and relationships within the Federal, State and local Governments, and with small businesses), education and training (programs oriented to specific technical venues covering military engineering issues and sustainable design and construction), and outreach/communications (participation in programs such as MATHCOUNTS, and outreach to young members and university organizations). Within Colonel Hoarn's tenure, scholarships have increased from an award of only one scholarship just 3 years ago to a total of 8 scholarships totaling \$20,000 for the Fall of 2006 school year, and national security and readiness (development of a comprehensive program to prepare the Honolulu Post to serve the community in times of a disaster, natural or for Homeland Security requirements). For the second year the Honolulu Post swept all the categories "with distinction".

Colonel Steve Hoarn is quick to lay credit upon his Board of Directors, but his leadership has served us well. We all wish him the best in

his new assignment as he transitions back to the Mainland. At the April meeting Colonel Steve Hoarn received the SAME Region Vice President's Medal for his efforts. Rear Admiral Gary Engle, the SAME Pacific Regional Vice President, presented the award. The entire post thanks Col Hoarn for all his hard work; he has made a lasting mark on our post and set the bar high for our new president.

**Post meeting notes from June 13, 2006:**

Subject: Navy Enhanced Use Leasing  
 Speakers: Lynn Tanaka, NAVFAC; Jeffrey Arce, MacNaughton Group; Duane Amada, Design Partners; Bob Griffith, Griffith Construction Consultants

The speakers presented a very informative and interesting briefing on the Navy's Moanalua Center redevelopment project. This groundbreaking Enhanced Use Lease initiative has been in the works since the late 1990s. Enhance Use Leasing leverages private developer expertise and capital sources in exchange for development rights and other entitlements to Navy Real Estate. This project provides commercial/retail activities for civilian and military use and also provides a 55,000 sf administrative office for the Navy. Years of planning and awaiting approvals have produced a center that has great value to the military and civilian communities. Commercial tenants are opening their doors now and the administrative facility will be completed by year end. (Briefing posted on post web page)

Other business: New post officers installed, scholarships presented to students.

Next meeting: 11 Jul, Guest Speaker: Mr. Peter Rosegg from HECO on their activities and plans to be able to keep up with the electric demand on Oahu.

**Honolulu Post Scholarship Winners:**

Eight local engineering college students each received \$2500 scholarships from the post to further their education in engineering fields. The scholarship winners are: Nathan Stickel (Leeward Community College, Automotive Engineering), Justin Cadiz (UH at Manoa, Civil Engineering), Steven Mitsuyuki (UH at Manoa, Civil Engineering), Katherine Hoarn (Northeastern University, Architecture), Austin Barnes (Harvard, Architecture or Physics), Zhao Li (UH at Manoa, Electrical Engineering), Chris Parker (UH at Manoa, Civil Engineering), and Sara Lee (UH at Manoa, Biomedical Engineering). With our great success in fund raising this year, we hope to provide even more scholarships next year. Keep an eye on our post web page for more info.

**Golf Tournament a resounding success:**

Dana Voight, the 2006 Golf Tournament Chair, presented a check for \$18,876.12 for the

post scholarship fund. The money raised by the 2006 golf tournament will be used for college scholarships. Thanks to the organizers, sponsors, and participants.



**LGSEA, from page 5**

**Seminar Tackling Connectors in Contact With Treated Lumber**

The LGSEA-Hawaii Chapter held a joint membership meeting with Structural Engineers Association of Hawaii & the Hawaii Pacific Steel Framing Alliance on May 24th at the Plaza Club. The featured speaker was Mark Crawford, vice president of engineering of Simpson Strong-Tie, who discussed his research of various chemicals used in pressure-treatment of lumber, how these treatments react with galvanized steel, and protection options in real world applications. Mr. Crawford is nationally recognized for his research on galvanized steel in contact with various preservative lumber treatments and the effects these treatments have on the steel members.

**Membership Renewal**

Last year the Chapter Board approved the use of Chapter funds to subsidize the dues increase for 2005 membership renewals. The Board has approved the same subsidy for members in good standing to renew their 2006 memberships. This year, with the incorporation of the LGSEA as a council of the Steel Framing Alliance, the LGSEA National dues are \$150 for the year, of which \$75 will be subsidized for Hawaii members. Because of all the changes that have taken place, we are asking all members to please fill out the new membership application form. For more information, please contact Darin Okuda, Membership Committee Chair, at (808) 306-4862.

**Professional Directory**

<p><b>SHIMABUKURO, ENDO &amp; YOSHIZAKI, INC.</b>  <i>Civil, Environmental &amp; Structural Engineers</i></p> <p>1126 12th Avenue, #309          Honolulu, Hawaii 96816-3715          Phone: (808) 737-1875          Fax: (808) 734-5516          Email: seyeng@lava.net</p>	<p>Consulting Engineers  <b>Marc M. Siah &amp; Associates, Inc.</b>          810 Richards Street, Suite 888, Honolulu, HI 96813, Ph: 538-7180</p> <ul style="list-style-type: none"> <li>• CIVIL</li> <li>• STRUCTURAL</li> <li>• ENVIRONMENTAL</li> <li>• OCEAN</li> </ul>	<p>501 Sumner Street, Suite 620          Honolulu, Hawaii 96817          Ph (808) 531-1308   Fax (808) 521-7348  <b>Project Managers, Planners, &amp; Engineers</b>  <a href="http://www.ssfm.com">www.ssfm.com</a></p>	<p><b>WES THOMAS ASSOCIATES</b>          Land Surveyors</p> <p>75-5749 Kalawa St., Kailua-Kona, Hawaii 96740-1817          Tel: 808 329-2353 Fax: 808-329-5334  <i>Surveying Hawaii Since 1975</i></p>
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<p><b>BROWN AND CALDWELL</b> Environmental Engineering And Consulting • Analytical Services 119 Merchant St., Suite 200 • Honolulu, HI 96813 (808) 523-8499 Fax (808) 533-0226 2145 Wells St., Suite 302 • Wailuku, HI 96793 (808) 244-7005 Fax (808) 244-9026</p>	<p><b>S.S. DANNAWAY ASSOCIATES, INC.</b> Fire Protection Engineers Building Code Consultants 720 Iwilei Road, Suite 412, Honolulu, HI 96817 Tel: (808) 526-9019/Fax: (808) 537-5385 ssda@hawaii.com</p>	<p><b>Akira Usami, P.E.</b> Territory Sales Manager, Kapolei facility 91-300 Hanua Street Phone: (808) 682-5747 Fax: (808) 682-2928 www.dietrichmetalfaming.com www.dietrichsteeljoist.com</p> 	 <p><b>EarthTech</b> A Tyco International Ltd. Company <b>841 Bishop Street, Suite 500</b> Honolulu, HI 96813 Tel: 523-8874 • Fax: 523-8950</p>
<p><b>Y. Ebisu &amp; Associates</b> Acoustical and Electronic Engineers 1126 12th Avenue, Room 305 Honolulu, Hawaii 96816 (808) 735-1634</p>	 <p><b>Engineering Concepts, Inc.</b> 1150 S. King St., Suite 700 Honolulu, HI 96814 Phone: 808-591-8820; Fax: 808-591-9010 Email: eci@ecihawaii.com</p>	 <p><b>ESH</b> ENGINEERS-SURVEYORS HAWAII, INC. (FORMERLY WILLIAM HEE &amp; ASSOCIATES, INC.) 900 HALEKAUWILA STREET HONOLULU, HAWAII 96814 Phone: 591-8116</p>	 <p><b>Esaki Surveying and Mapping, Inc.</b> Lihue, Kauai, Hawaii Ph. (808) 246-0625 • Fax (808) 246-0229 esmap@hawaiian.net <b>ENGINEERS • SURVEYORS</b> Established 1979</p>
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