

Perpetuating ASME Through Mentorship

Since the founding of our professional Society in 1880, perpetuation of our profession to future generations has been through a combination of formal academic studies and mentoring. The former provides the theoretical basis upon which we as mechanical engineers utilize and apply scientific principles to solve problems for the betterment of society, while the latter serves as a much more valuable process in developing both the mentor and the person being mentored. Specifically, the mentorship process transcends the facts, figures and theoretical information that engineering is known for, and provides a positive dynamic relationship and environment between the individuals that allows for personal and professional growth of those being mentored.

As we come upon the 125th anniversary of ASME International, the tradition and spirit of the mentoring process is alive and well as exemplified by the activities of the ASME Student Section at the University of Hawaii.

The UH ASME Student Section, in collaboration with the Boys & Girls Club of Hawaii, participated in the Spalding Clubhouse Girls Lego Robotics Session from March 22 -25, and culminated in the competition held on Saturday, March 27, 2004. The UH ASME Student Section members spent their time during the spring break to mentor the girls over two sessions. Session I meetings were held on Monday and Wednesday from 2:00 - 5:00pm, while Session II meetings were held on Tuesday and Thursday from 2:00pm to 4:00pm.

As part of the various programs at the Boys & Girls Club of Hawaii, the Spalding Clubhouse Girls Lego Robotics sessions allow the girls to have fun with an educational activity in an encouraging environment. Serving as mentors, the UH ASME Student Section facilitated and assisted the Lego Robotics program for the female youth members of the 2003 winter program.

Using a Lego robotics kit, the UH ASME



UHM ASME Student Section mentors along with past ASME-HI Section Chair, Jim Grogan (far left), and current Chair, Raymond Liu (far right).



Lego Robotics blue team's robot impacting the catapult mechanism.

Student Section members have the girls form teams of four (blue, green, purple and red) to select the Lego toy parts described in the curriculum. Each team experiments with the design aspects and starts constructing the rovers.

Building the miniature robots encourages the girls to work as a team. They develop communication skills that will be useful in a classroom or career setting.

The girls learn how to program the robots on the computer. The information is beamed to the miniature rovers and maneuvers through various obstacle courses. Girls learn to express themselves by building creatively and making their rovers unique in their groups.

The goals of the robotic program are the following:

- To improve math & technology scores

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SAME SUPPORTS 2004 TEAMS COMPETITION

The 2004 Tests of Engineering Aptitude, Mathematics and Science (TEAMS) competition was held at the University of Hawaii at Manoa on Saturday, February 21. Ten Hawaii high schools participated this year, with members of the Society of American Military Engineers supporting teams from Kailua High School and Punahou School. Sponsored locally by the UH College of Engineering, TEAMS is an annual nationwide competition among junior varsity and varsity students, where students spend two hours solving real world math, science, and engineering problems. Schools send teams of four to eight students who are given a two-part, open-book, open-discussion test. The tests are extremely challenging – with the ultimate goal of inspiring prospective engineers.

Beginning in January, SAME volunteers gave their personal time to attend weekly practice sessions and coach, mentor and strategize with the students in preparation for the competition. The Honolulu Post of SAME sponsored the event, as it has for many years, by paying the entry fee and providing t-shirts for the competitors to foster team camaraderie.

Both Kailua and Punahou demonstrated tremendous effort at this year's competition. Punahou's Junior Varsity team placed first in their division, while the varsity team finished a tantalizing second – one point behind perennial champion Seabury Hall from Maui. Although the Kailua team didn't place, their teacher coach Roland Tamaru beamed with pride, "This is the best team I've had in years, and they were a joy to coach. They are all winners!"

The Society of American Military Engineers would like to give special thanks to the dedicated volunteers who supported TEAMS this year: LTJG Jeremy Ramberg, LT Kristina McGee, CPT Bill Louie, and Mr. Scott Hartung. All agreed that the experience was sometimes humbling, but in all aspects rewarding. As SAME awaits the 2005 competition, we encourage member volunteers!



Punahou's Junior Varsity team enjoys a first-place finish.



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UNIVERSITY OF HAWAII
 College of Engineering

2540 Dole Street, Holmes Hall
 Honolulu, Hawaii 96822

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College of Engineering Open House 2004

On April 3, 2004, the College of Engineering conducted Open House 2004 for the accepted applicants to the incoming class of 2004. About 150 attendees, including high school seniors from the neighbor islands and the mainland with their parents, participated in tours of research laboratories, demonstrations of student projects and explanations about engineering education at the University of Hawaii.

Beginning with an general session at the UH Art Auditorium, Open House 2004 started with John Katahira (CE 1993), partner of Limtiaco Consulting Group, providing the keynote speech that welcomed the potential students to the College and encouraged them to become engineering students at the University of Hawaii College of Engineering. In addition, Electrical Engineering Chair Todd Reed explained about the College and the opportunities available for these students. The session ended with freshman electrical engineering student Nick Rodin offering the reasons for attending the College.

After assembling in the courtyard of Holmes Hall, the attendees toured the research facilities including the Hawaii Corrosion Laboratory supervised by Associate Professor Lloyd Hihara (ME 1983), the Optical Communications Laboratory administered by Assistant Professor Audra Bullock and the Structural Engineering Laboratory managed by Associate Professor Ian Robertson. Tours also included demonstrations of ongoing student design projects and competitions such as Micro Mouse (EE), Mini Baja (ME) and the Human Powered Vehicle (ME). The attendees were also encouraged to attend seminar discussions on various topics about education at the College and careers in engineering. Lorna Heller (CE 1993), Ron Iwamoto (CE 1994), Brian Enomoto (CE 1999), and Katahira participated as panelists along with College faculty and students.

Tours were led by engineering students and representatives from the Engineering Alumni Association of the University of Hawaii (EAAUH); Warren Hayakawa (EE 1986), Jamie Hikiji (CE 1998), Ryan Sugamoto (ME 2000), Terilyn Shibata Watanabe (CE 1990), and EAAUH President Bryce Yonemura (ME 1999).

Open House 2004 concluded with a luncheon that permitted the attendees to dine with the engineering faculty, students and alumni guests and continue discussions about the University of Hawaii College of Engineering.

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General Membership Update

The 2004 Pacific Rim Steel Framing Conference was held April 22-25 at the Waikiki Marriott Beach Hotel. This event, hosted by the Hawaii Pacific Steel Framing Alliance, was held in conjunction with the Build and Buy Green Conference, hosted by BIA-Hawaii and DBEDT. The pre-conference activity began on Wednesday, April 21 with day 1 of STUD University, a hands on training class conducted by HSA Training Committee Chairman Sam Galante and other industry volunteers.

On Thursday, golfers tee it up bright and early at the 4th annual Steel Framing Scholarship Golf Tournament, held at Honolulu
(continued on page 11)



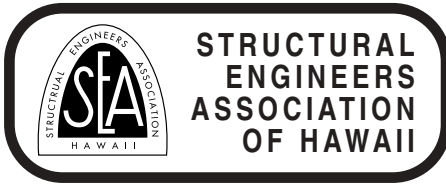
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Congratulations to Dr. Amarjit Singh, past-chairperson of HCES, 1997-98, for being elected to the rank of Fellow, Institution of Civil Engineers, United Kingdom. Among his accomplishments mentioned in the citation for Fellow in early April 2004 were the following:



Chair, Steering Committee of the *International Structural Engineering and Construction Conference Series*; Author of two edited volumes; 130 professional publications; North American Editor, *Construction Management and Economics*; Associate Editor – Legal Affairs, *Journal of Professional Issues in Engineering Education and Practice*; Specialty Editor, *Journal of Construction Engineering and Management*; Past Chairperson, Hawaii Council of Engineering Societies; Research studies undertaken in Finland, Japan, and Southern Polynesia; Overseas work in Canada, Nepal, India, and Kuwait; Visiting Associate Professor, Cornell University; Visiting Scholar, University of Reading, U.K.; Chartered Engineer, U.K.; Professional Engineer, Ontario, Canada; and Listed in Marquis' Who's Who in the World.



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HIGHLIGHTS OF BOD MEETING

07 April 2004

Committee Reports:

Convention Committee: Tom Tanimura reported that the SEAHO Annual Convention will be held at Turtle Bay during August 6 and 7, 2004. The Convention theme will be Wind and Seismic Provisions in the IBC 2003. The committee is currently looking for appropriate speakers for this topic. Suggestions for speakers are welcomed.

Membership Committee: Jonathan Murai has developed a procedure for maintaining the SEAHO database and a protocol for the distribution of the SEAHO Wiliki, Postal Mail, and Electronic Mail. Procedure is as follows: 1) Master membership roster – Membership Chairman will have and maintain the official SEAHO roster and database. This will be considered the official SEAHO database. 2) All email notices shall be routed through the Membership Chairman. Membership Chairman will forward email notices to the appropriate person for distribution. This year, Susan Kuniyoshi has agreed to handle the email distribution. The Wiliki email list will be used for email notices. If you are not on the Wiliki email list, you will not receive notices by email. Membership Chairman will update Susan Kuniyoshi with current membership data. 3) All postal notices will be sent through the Membership Chairman. Membership Chairman will perform the mail outs or if someone else is doing the mailing, the Membership Chairman will prepare the mailing labels. No other labels shall be used for mailing. 4) If the mailing distribution is large, Laura Moore (SEAHO Administrative Assistant) will be used for distribution. Also, the Membership Chairman will keep the SEAHO Webmaster current on our membership so our website database is current.

Ad Hoc Committee on Structural Engineering Practice: The results of the recent survey overwhelmingly indicate that our members feel the building codes have become too complex. The committee is in the process of determining how we can best address this issue.

New Business:

Membership: Currently, as in past years, the SEAHO Board is having problems with members procrastinating to renew their membership. We are entering the fourth month of the year and we still have 50 +/- members who have not yet renewed their membership. This is one fourth of our membership. The late

renewals create havoc for the Board as it complicates maintaining our database, email base, postal base, and Wiliki base. Our Wiliki payments are due early in the year and this is based on the membership. Generally, members are maintained as members provided that membership is renewed within three months of the membership renewal date. Members who miss the renewal deadline should be placed on inactive status. In response to this problem, the Board is considering amending the By-Laws to address this issue. Strategies being considered are as follows: 1) Set March 31st as an absolute deadline for renewals. 2) All members not renewed by March 31st shall be terminated as members and denied all privileges of membership. 3) Consider increasing the initiation fee for new members (from \$10 to

\$25 or \$50). This will encourage members to not let their membership lapse. 4) Also, as a Board policy, we are considering setting member and non-member rates for SEAHO functions. This will create value for SEAHO membership especially since a lot of our seminars are heavily underwritten and discounted. While this has been our practice, it's proposed to make it an official policy. 5) Another policy the Board is contemplating is to not put any non-members on our communication lists. This will encourage non-members to join. We do occasionally have this request. Comments are welcomed.

New Members: The Board voted to accept Alison Agapay, Jose Mandawe, Grant Okunaga, Brian Murdock, and Haili Camarillo as new Allied Members.

Web Notes: SEAHO is currently upgrading our website. If you have any comments or suggestions, please forward to Les Nagata at les.sag@verizon.net.

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BIA RENAISSANCE BUILDING AND REMODELING AWARDS

CALL FOR ENTRIES

The Building Industry Association of Hawaii (BIA-Hawaii) is accepting entries for this year's Renaissance Building and Remodeling Awards for the following categories: Details, Residential and Commercial Remodeling, New Residential and Commercial Construction, Kitchen and Bath, Historical, and Landscaping. This year's award program will feature a new category, BuiltGreen™, which will award contractors who use the best BuiltGreen practices.

The annual awards program, which will be held July 30, 2004, at the Renaissance Ilikai Waikiki Hotel, recognizes the craftsmanship and skill of the industry's best contractors, developers, architects and designers. American Savings Bank is the 2004 presenting sponsor.

Projects not previously entered in the BIA-Hawaii Renaissance Awards competition are eligible. Judging is based on the strength of the design and project solution, aesthetic, and market appeal; sensitivity to the existing structure; appropriate use of existing building elements; compatibility with the neighborhood; functional value; and cost-effectiveness. A jury of remodeling industry professionals selects Merit and Grans Awards.

For more information or an entry application, please call Tracy Jefferson at 847-4666 ext 201 or visit BIA-Hawaii's website at www.bia-hawaii.com. Entry binder deadline is May 30, 2004.

Under a Tropic Moon: 100 Years of Hapa Haole Hula

Noenoelani Zuttermeister and her hula halau will give two hula concerts with all proceeds going to establish a perpetual scholarship at the UH College of Engineering in memory of Thomas Keola Ahsing.

WHEN: Saturday, June 26, 2004; 7:30 p.m.
Sunday, June 27, 2004; 2:00 p.m.

WHERE: Hawaii Theatre, 1130 Bethel Street
TICKETS: \$37 for adult general admission,
\$32 for seniors. Call 528-0506 or
visit www.hawaiitheatre.com.

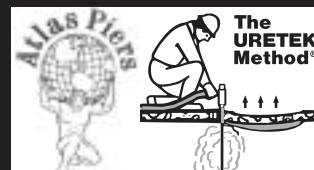
Ahsing was an accomplished hula dancer and performed with the Zuttermeister Ohana. He was a technical services representative with Island Ready-Mix Concrete and a member of the Structural Engineers Association of Hawaii and the Construction Specification Institute. He also administered the American Concrete Institute Certification for Concrete Filed Testing Technicians for the Cement and Concrete Products Industry of Hawaii. Sponsors include Ameron Hawaii, Island Ready-Mix Concrete, Master Builders and Jas. W. Glover, Ltd.



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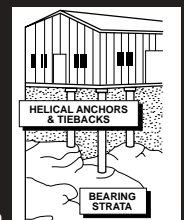
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	<i>brandes@williki.eng.hawaii.edu</i>		

MAY DINNER MEETING

Program: 'Consequence-Based Engineering - Seismic Risk Analysis'. Dr. Daniel P. Abrams, Professor and Director of Mid-America Earthquake (MAE) Center, Department of Civil and Environmental Engineering, University of Illinois Urbana-Champaign; Bob Y.K. Wong Distinguished Visiting Professor at University of Hawaii

Dr. Abrams will speak on methods to minimize consequences from future earthquakes. Decisions based on a probabilistic analysis of system outcomes constitute a rational means for engineers, owners and decision makers to select appropriate courses of action when faced with uncertainty.

Date: Thursday, May 13, 2004
 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 check payable to "ASCE-Hawaii Section." Mail to Phillip Ooi, ASCE Treasurer, c/o Department of Civil & Environmental Engineering, University of Hawaii at Manoa, 2540 Dole Street, Holmes 383, Honolulu, Hawaii 96822, postmarked by Monday, May 10, 2004. Reservations for the dinner meeting to Phillip Ooi by Monday, May 10, 2004, by phone at 956-8512, fax at 956-5014, or email at ooi@williki.eng.hawaii.edu.

EXECUTIVE COMMITTEE MEETING

April 8, 2004

2004 CALENDAR OF EVENTS (subject to change)

June 2004 - Dinner meeting hosted by the Ocean & Energy Committee

ENGINEER'S RING CEREMONY AT THE APRIL DINNER MEETING

The Engineer's Ring Ceremony is the public induction of candidates into the Order of the Engineer. The Order is the roster of engineers in the United States who have participated in an Engineer's Ring Ceremony and who have publicly accepted the "Obligation of an Engineer." During the Ceremony, candidates

formally accept the Obligation of an Engineer and receive a stainless steel ring to be worn as a symbol of recognition of membership in the Order of the Engineer.

The Obligation of an Engineer is the formal statement of an engineer's responsibilities to the public and to the profession. The Obligation includes a pledge to practice integrity, fair dealing, tolerance, and respect, and to uphold devotion to the standards and dignity of the profession, conscious always that an engineer's skill carries with it the obligation to serve humanity by making the best use of Earth's precious wealth.

Any engineer who has graduated from an ABET-accredited engineering program or holds a license as a Professional Engineer is eligible for induction into the Order of the Engineer.

ASCE National President, Patricia Galloway conducted the Engineer's Ring Ceremony at the Hawaii Section dinner meeting on April 15, 2004, for all candidates who registered to participate. There were about 75 people who participated in the ceremony.

ASCE HAWAII SECTION AWARDS

The 47th Hawaii State Science and Engineering Fair was held at the Neal Blaisdell Center Exhibition Hall, April 5-8, 2004. The science fair awardees for the Senior Division were Wing Hong Wong and Chester N.V. Lim, both of McKinley High School. The Junior Division awardee was Joseph J.W. Fala of Iolani School. The Teacher awardee was Barbara Rogers of McKinley High School. Congratulations to all the winners!

Walter Lum Scholarship Awarded to UH Civil Engineering Student

Jason Seidman, a junior civil engineering student at the University of Hawaii, is this year's winner of the ASCE/Walter Lum scholarship. This \$1,500 scholarship is awarded each year to a junior, senior or graduate student, with preference given to active ASCE Student Chapter members and those with demonstrated financial need. Jason has been very active with the Student Chapter, having served as Recording Secretary, Vice President, Co-Chair of the Pacific South West Regional Conference and Co-Chair of the Concrete Canoe competition team. He is also pledging for Chi Epsilon and carries a GPA above 3.0. Congratulations to Jason on his outstanding achievements and best wishes for success in his future endeavors!

Please help us increase our scholarship

endowment so that we can recognize other deserving students such as Jason. We continue to accept tax-deductible donations with the goal of establishing a second annual scholarship. This month we would like to acknowledge Richard Cox for his general contribution to the scholarship fund. 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 Horst Brandes at 956-8969, or at brandes@williki.eng.hawaii.edu.

ASCE JOB LISTINGS

The following employers have openings they would like to fill:

- Austin Tsutsumi & Associates, Inc. (Civil, Traffic/Transportation, Environmental and Surveying - Honolulu and Wailuku)
- Board of Water Supply (Chief Capital Projects Officer - Honolulu)
- CH2MHILL (Water Engineer - Honolulu)
- Engineering Solutions, Inc. (Civil/Environmental Engineers - Honolulu)
- Fewell Geotechnical Engineering (Geotechnical Engineer - Honolulu)
- Fukunaga & Associates (Civil and Civil/Environmental Engineers - Honolulu)
- Hawaii Pacific Engineers (Civil and Civil/Environmental Engineers - Honolulu)
- Warren S. Unemori Engineering (Project and Civil Engineers - Wailuku)
- Westaff (Maintenance Engineering - Hickam AFB, Hawaii)
- Winzler & Kelly Consulting Engineers (Civil and/or Structural Engineering - Guam)

For more information on these job listings, please visit the ASCE Hawaii Section website at www.ascehawaii.org.

MEMBERSHIP DRIVE

ASCE counts on our members to help us grow every year by actively participating in the Member-Get-A-Member Drive. The drive is now year-round and offers great new prizes, such as cash rewards, gift certificates, digital cameras, personal digital assistants, LCD TVs and more. For most prizes, all you have to do to be eligible to win is refer a colleague. This is a great time to help out your colleagues while also helping ASCE find new members. Take a minute to think about the people in your professional life who could benefit from membership. Visit www.ASCEDrive.org to refer them and you could be a winner in the next drawing! Please contact our membership chair, Lori

(continued on page 11)



Hawaii ASCE's inductees into the Order of the Engineer.



2003-2004 YMF OFFICERS

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Treasurer	Geoff Ries gries@wilsonokamoto.com	946-2277
Stud. Chap. President	Ronald Malalis malalis@hawaii.edu	956-5808

Next YMF General Meeting

The next two YMF general meetings are scheduled for Tuesday, May 4, 6:00 p.m. at Ryan's Grill 591-9132, and June 1, 6:00 p.m. at Ward Dixie Grill 596-8359. If you are interested in attending to find out what the YMF is all about and how much fun we have, please call Jamie Hikiji at 521-3051.

YMF March Community Service Project - Waianae Kai Ridge Erosion Material Installation

On March 13, members of members of the ASCE Hawaii Section Younger Member Forum (YMF) assisted the Honolulu Board of Water Supply and State Department of Forestry and Wildlife by installing erosion control materials at a burn site on the Waianae Kai ridge, Oahu. At the end of 2003, a fire on the ridge destroyed 10 acres of native forest. Massive loss of vegetation and destruction of the top soil left the area vulnerable to erosion. The YMF volunteers hiked for 2 hours up to the burn site and staked 100-pound coconut coir logs and 40-pound straw wattle logs into 6-inch deep trenches along steep sideslopes to prevent erosion. Lots of rain made the work cold and wet, but still rewarding.

YMF May Community Service Project - Storm Drain Stenciling

On May 15, the ASCE Hawaii Section YMF will assist the City and County of Honolulu by stenciling storm drains for public awareness. Each year, thousands of gallons of household pollutants are washed down streets and storm drains that empty directly into reservoirs, streams and the surrounding ocean. The City & County of Honolulu tries to minimize such pollution by having volunteers stencil a warning on storm drains: "Dump No Waste - Goes to



**ASCE Hawaii Section younger members up
at Waianae Kai Ridge.**

Ocean." If you would like to volunteer for this event, please email eric.deruyter@ttemi.com by May 10. We will be meeting a City representative at 9 a.m. at the makai corner of Pi'ikoi Street and Ala Moana Boulevard for instructions. Please do not be late. The event will last approximately 2 hours. Afterwards (at 11 a.m.), all volunteers, friends, and members are invited to join the Hawaii Section YMF for a picnic and volleyball at Ala Moana Park. Food and refreshments will be provided. Mark your calendars for May 15th and we'll see you there!

ASCE Job Classified

Looking for work? Visit the ASCE's job listing page at <http://www.ascehawaii.org/jobs/jobsinfo.html>.

KNOW YOUR ASCE HISTORY

by C.S. Papacostas

Historians often highlight the time when concrete sidewalks were first constructed during the development of many American cities and towns. For example, Robert C. Schmitt ("Firsts and Almost Firsts in Hawaii") says that Honolulu's (and Hawaii's) first concrete sidewalk was built in 1886. Perhaps, the press accounts of the time can shed some light on the local uses of this ubiquitous construction material.

In its March 26, 1886 issue, the Pacific Commercial Advertiser informs us that the said sidewalk was built by "Mr. John Bowler, the well-known plasterer," on Queen Street in Honolulu, in front of the store of J. T. Waterhouse. It was "similar to those in use in New York, San Francisco, and the Colonies" and could be made in slabs of any size. No details were given about the type, brand or source of the cement used or the mix design.

While scanning the microfilm record; however, I noticed that, at that time, Wm G. Irwin & Co. offered for sale "lime and cement" among other items; Wilder & Co. were "Importers and Dealers in Portland Cement," etc.; and the California firm of Davis and Cowell described itself as "manufacturers of Santa Cruz Lime" and "Importers of English Cement."

It is clear then that ample supplies of American and European building materials, including natural and artificial cements, were available locally. Even earlier, the Reciprocity Treaty that was ratified in 1875 and took effect in 1876 between the U. S. and the Kingdom of Hawaii listed "bricks, lime and cement" in the schedule of items that could be brought "into all the ports of the Hawaiian Islands free of duty."

Because Portland cement standards were unavailable at that time, both military and civil engineers tended to order by specific brand. This practice lasted even after the adoption of standards (c. 1904). The engineer's call for imported Alsen and Germania brands in 1906 for the construction of the Kohala Ditch on the Big Island is but one example.

The preference of imported over American cements is also reflected in actions of the U.S. Corps of Engineers. According to a 1999 San Francisco "Seacoast Fortifications Preservation Manual" prepared for the U.S. Interior Dept. by Joe C. Freeman et al., Utah-produced Red

Diamond was the only American Portland cement among those that the Army tested during the 1890s and "Josson's was still a preferred Belgian Portland cement sold in San Francisco as late as 1907."

As I indicated last month, Alsen may have been a Belgian brand as well but since then, I uncovered some additional possibilities, to wit:

In 1863, Otto Friedrich Alsen established "Alsen Portland Zement" in Germany. This company was the precursor of Alsen AG, now known as Holcim Deutschland, a German subsidiary of the Swiss multinational Holcim.

In 1902, the Alsen American Portland Cement Corporation was established at Alsen, Greene County, N.Y. and a 1915 book by F. A. Gallt about this Hudson Valley locale ("Dear Old Greene County") states that the plant was "a German concern and has been doing a great business." In 1925, the plant was added to the proliferating holdings of the Lehigh Cement Company that had been established in 1897 by General Harry C. Trexler and others in the Pennsylvania birthplace of American Portland cement.

The 1895 annual report of the U.S. Army Chief of Engineers reports that Alsen brand Portland cement was used in the construction of Locks on the Cumberland River in Tennessee, and that Louisville cement (furnished by J. B. Speed & Co.) was also accepted after rigorous testing prior to shipment because "a knowledge of the careless methods of manufacturers of Louisville cement makes the thorough testing of it essential."

Clearly, the chronology given above precludes the Alsen plant in New York from being the source of the cement used for the Cumberland River locks but could it be the source of Kohala Ditch cement? Moreover, was the plant at New York owned by Otto Alsen's company and was the town of Alsen named after the plant or was the plant named after the town?

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@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>.

CIVIL ENGINEER

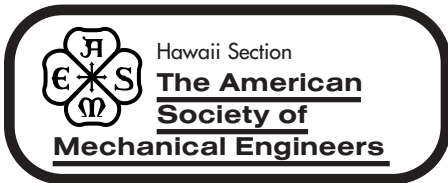
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ASME-HI 2004-2005 Officers

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Vice-Chair	LCDR John Markowicz	484-9164
Secretary	Sam Gillie	543-4737
Treasurer	Rodney Krienke	373-2916
Dir 1 yr	Ron Flegal	455-0254
Dir 2 yr	Chester Kaitoku	527-6063
HCES Rep	James Grogan	254-2947

HAWAII SECTION COMBINED COMMITTEES & POWER TECHNICAL CHAPTER MEETING

Date: Tuesday, May 11, 2004

Time: 5:30 p.m. to 6:30 p.m.

Place: Hawaiian Electric Company, Inc.
Ward Avenue Cafeteria

All members are invited and asked to attend. Members are always welcome. The Officers and Directors of ASME-HI Look forward to seeing new and familiar faces. Naturally, we are constantly seeking help from the membership to fill the committee positions and with program ideas. In addition, we are having a Power Technical Chapter meeting to discuss programs for next year. Lots of free pizza and pop are always provided. Please contact Ray Liu or Sam Gillie for directions and more information. For Power Chapter questions, please contact Ed Chang at 543-4227.

ASME BOARD OF GOVERNORS APPROVES NEW ORGANIZATIONAL STRUCTURE

On March 13, the Board of Governors approved a new organizational structure for ASME. The Society is now embarking on a 15-month transition period, during which details of the organizational plan will be fleshed out and implemented. The transition to the new ASME organizational structure will be completed by July 1, 2005. Members are encouraged to visit the Continuity & Change Website at <http://www.asme.org/change/> to learn about the actions taken and to be taken on the proposed plan and the goals of the proposed structure.

ASME E-MENTORING

Do you feel like a fish out of water...when it comes to your career? Join the ASME E-mentoring Community and access a network of practicing engineers right from your computer. Ask career questions, get a real-world perspective on day-to-day issues in the workplace and learn more about other career alternatives. A mentor can help you get the right training, find the right niche in mechanical engineering, and help you transition more easily into the working world. There are over 300 Mentors from various backgrounds such as Aerospace, Biomechanics, Design Engineering, Petroleum, Power, Pressure Vessels & Piping, Nuclear Engineering, Process Industry and more. E-mentoring is available to all ASME members with five years or less work experience in the engineering field. Sign-up by going to <http://secure.asme.org/signin/ementoring.cfm>.

2004 BALLOTS AND SURVEYS RESULTS

Thirty-two Hawaii Section members returned their ballots and surveys, and confirmed the Hawaii Section officers and directors for 2004-2005, who are Chairman Ray Liu, Vice-Chair John Markowicz, Secretary Sam Gillie,

Treasurer Rodney Krienke, and Directors Ron Flegal and Chester Kaitoku. On the survey there were a few interesting tour suggestions, members showing an interest in participating in committees and volunteering in events. Most of the respondents agreed to receive the electronic version of the Wiliki. Thank you to all the members who took the time to complete and return their ballots and surveys.

THE KAPAIA POWER STATION TOUR

This power plant is the newest power plant in Hawaii located on the Island of Kauai. The plant tour is scheduled for Saturday, September 25, 2004, starting at 10:00 a.m. This tour is being arranged by the Hawaii Section Power Technical Chapter and is sponsored by ASME member Brad W. Rockwell, Kapaia Power Station Manager. The plant was commissioned in the fall of 2002 and consists of one GE LM2500PH gas turbine generator, and one Once-Through Steam Generator (OTSG). All 70,000 lb/hr of steam is injected into the gas turbine for emissions control and power augmentation. The plant also has SCR for emissions control. It operates at 40% efficiency, and primarily burns naphtha fuel, although diesel is used for starts/shut downs and back-up. If you are interested in joining us on the Island of Kauai on September 25, please contact Ed Chang at 543-4227.

FUTURE ACTIVITIES

Several tours and meeting speakers are being planned. Also visit the ASME-HI website for more information.

- Sept. 9, 2004, Annual Pearl Harbor Boat Tour, at 4:00 p.m., hosted by Stanford Yuen. Nine seats still available. Contact Ed Chang at 543-4227.
- Sept. 25, 2004, Kapaia Power Station Tour, at 10:00 a.m., hosted by Brad Rockwell, Kapaia Power Station Manager. The plant is located on the Island of Kauai.

GISMAP 2004 CONFERENCE TO SHOWCASE GEOSPATIAL TECHNOLOGIES AND INFORMATION

“Protecting and Strengthening Communities in the Pacific”

WHAT: This year's GISMAP 2004 (Geographic Information Systems Mapping in Asia and the Pacific) will bring professionals together from the government, private, educational, and non-profit sectors to identify and discuss innovative, as well as traditional applications of GIS and spatial information technologies.

Keynote Speaker: Sam A. Bacharach, extraordinary program manager, Open GIS Consortium, Inc. A tireless crusader of sharing spatial technology interoperability strategies for the global community, Sam offers invaluable insights on open, industry-standard specifications with his more than 15 years of GIS experience. His proficiency includes developing geographic databases to support the U.S. military (Defense Mapping Agency) and working with sustainable development and mobile communications communities.

As the use of GIS becomes more ubiquitous and accepted in all fields and disciplines, new technologies and spatial analysis methods are being developed that can inform and assist organizations in resources evaluation and management decisions. The conference will focus on how these technologies and methodologies can be applied to enhance the sustainability,

livability, viability and security of our unique and vulnerable Pacific and Asian communities.

WHEN: June 7-9, 2004 (Monday to Wednesday)

WHERE: Waikiki Beach Marriott Resort

COST: Visit the GISMAP 2004 web site at <http://www.higicc.org/gismap.asp> for information on registration fees, sponsorship and exhibit opportunities, and call for papers and posters.

CONTACT: For more information about GISMAP 2004, please contact Pacific Rim Concepts LLC at (808) 864-9812.

GISMAP 2004 is presented by the Hawaii Geographic Information Coordinating Council (HIGICC). HIGICC is a non-profit body consisting of members of Hawaii's GIS community. Its goal is to provide coordination of GIS activities among a wide range of GIS users in order to avoid duplication of effort, promote data sharing, and maintain data standards throughout the state. HIGICC also provides educational forums to individuals of all ages on the value and importance of geographic related technologies.



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Webmaster	Derick Kam	
	<i>email: kam@thermaleng.com</i>	

HAWAII SFPE SEMINAR PRESENTATION NFPA 5000/101 MEANS OF EGRESS - PART II

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

Sponsor: Hawaii Chapter, Society of Fire Protection Engineers

Date: May 13, 2004

Time: 7:30 AM - 5:00 PM

Location: Fort Shafter Golf Clubhouse

Cost: \$50 (\$40 for SFPE members, Chapter Friends, and AIA members) \$20 for Building Officials and Fire Service

Deadline: The registration deadline is Wednesday May 17, 2004.

Who should attend: Fire Protection Engineers, Architects, Building & Fire Officials, and Insurance Loss Control Representatives.

For information: Sam Dannaway, Program Chairman

To register contact: Hawaii Chapter SFPE

Tel (808) 526-9019 / Fax (808) 537-5385

E-mail: seminars@sfpehawaii.org



PO Box 12204 Honolulu, HI 96828
website: www.eaaauh.org

2003-2004 OFFICERS

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Vice Pres:	Kelli Goodin	441-3600
Secretary:	Ryan Sugamoto	956-3357
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Directors:	Lloyd P.C.W. Lee	
	Michael Y. Magaoay	
	Randolph H. Murayama	
	Wayne H. Nakamura	

EAAUH General Meeting:

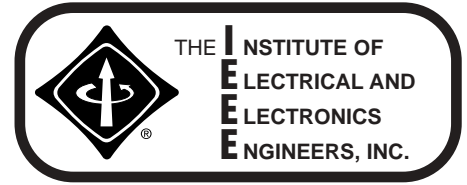
The 2004 EAAUH general meeting will be held in June. Be on the lookout for notification of time and location or visit our website at www.eaaauh.org.

EAAUH Scholarship:

Each year EAAUH offers six \$1,500 scholarships to incoming freshmen attending the College of Engineering. Applications are due on June 25. Scholarship recipients will be notified in July.

2004 EAAUH Golf Tournament:

Volunteers are needed for the 2004 golf tournament. If you would like to help, please contact Matt Fujioka (mkf@akinaka.com) or Stacie Kaneshiro (Stacie.Kaneshiro@hickam.af.mil) for more information.



IEEE Hawaii Section

P. O. Box 37607 Honolulu, Hawaii 96837
Email: sec.hawaii@ieee.org
Web Page: <http://community.hei.com/ieee/>

2003 HAWAII SECTION OFFICERS:

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At the Hawaiian Electric Company (HECO), we do more than provide electricity. We deliver reliable, environmentally friendly electricity, explore alternate energy sources and help our customers manage their electric consumption. We are looking for energetic, goal-oriented individuals to join our team of professionals to provide excellent, efficient service to our customers. HECO is currently recruiting candidates for the following positions:

Technical Services Engineer

Seeking a creative, innovative engineer with 5-10 years of relevant experience to act as a technical resource in the areas of power quality, power systems, control systems, commercial electrotechnologies, data acquisition and instrumentation, and energy efficiency. The qualified candidate would support, develop, implement, and plan various Power Quality programs (both commercial and residential) and services, including onsite customer activities using various types of diagnostic instrumentation. Candidate prepares project proposals and acts as project engineer/construction manager for HECO energy efficiency projects in the commercial, governmental, and residential sectors. Performs customer technology applications research, investigation, planning, and implementation, and keeps abreast of technology developments and research in electrotechnologies.

Systems Analyst

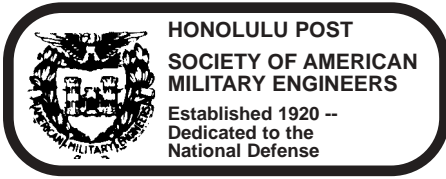
Seeking an Analyst with 4-8 years of relevant experience developing and/or supporting the current operations systems hardware, software, database or another similar operations systems. The qualified candidate provides specialized expertise, skills and technical support for the operation and on-going assessment, improvement and extension of the capabilities of real-time operations systems (i.e., Energy Management System (EMS) and Distribution SCADA System (DSS), etc.). Candidate identifies, designs, implements, tests, maintains and integrates software and hardware which enhances and supports the needs of operations systems and its users. Provides the knowledge, skills, and guidance to departmental personnel in support of the effective and efficient use of Corporate computer resources in the performance of their duties.

Systems Engineer - Electrical Engineer

Seeking an Electrical Engineer with 4-8 years of relevant experience with the power system analysis and programming of real-time computer systems and system operation or design of electric power systems. Qualified candidate provides technical and customer service support for corporate real-time operations systems (i.e., Energy Management System (EMS), Distribution SCADA System (DSS), etc.), network, hardware, and other corporate computer support. Candidate should have a thorough knowledge of the principles of electrical engineering, including power systems analysis, energy conversion, and computer programming. Manages, maintains, and installs computer systems, services, and engineering applications (i.e., generation economic dispatch, automatic generation control, remedial protection schemes, etc.) in conjunction with RTU installations/replacement/removals and electrical system analyses, etc.

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

SAME OFFICERS

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 Vice Pres: COL Jim Lyon 449-8363
 Secretary: CPT Sam Battaglia 438-1468
 Treasurer: LT Kristina McGee 471-1170x250

ANNUAL SAME GOLF TOURNAMENT

WHAT FOR: To raise money for Scholarships, Construction Camps, TEAMS Competition, and Hawaii Science and Engineering Fair. (And the obvious, to get out of work at 1030 on a Tuesday!)

WHEN: May 11th, Tee times starting at 1130, registration at 1030. Reception to follow at Sam Sneed's restaurant located at the Golf Course, approximately 5:30 p.m.

WHERE: Navy Marine Golf Course

STYLE: 4 Person Best Ball Scramble

Call LTJG Jeremy Ramberg at 471-8550 or email at jeremy.ramberg@navy.mil for more information.

April 2004 Meeting

SAME held its monthly meeting at the Hale Ikena on Ft. Shafter on 13 April. Air Force Major Phil Hicks, discussed his recent experiences while deployed to Iraq from November 2003 to April 2004. Major Hicks served as the Deputy Facility Manager for the Coalition Provisional Authority (CPA) working in Baghdad. He gave an overview of the CPA organizational structure and described the challenges associated with working on the multi-national (e.g., US, Iraqi, and coalition nations) and multi-agency (e.g. US military, US Dept. of State, United Nations, Non-Governmental Organizations, etc) team. He shared a few highlights of his deployment to include removing four large Saddam Hussein statues from the royal place, working to develop and implement new overhead force protection measures for personnel housing, and managing real property assets in Baghdad's "Green Zone." In addition to his regular duties, Major Hicks also had the opportunity to brief many VIPs traveling through the area to include US Defense Secretary Donald Rumsfeld, US Senator Hillary Clinton and Hawaii Governor Lindaingle.



One of four large Saddam Hussein statues being removed from the Royal Palace in Baghdad.

May 2004 Meeting

Annual SAME Golf Tournament on Tuesday, May 11th at the Navy Marine Golf Course. See notice on this page.



www.eng.hawaii.edu/~hspse

2003 - 2004 STATE OFFICERS

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 2nd VICE PRES: Kenneth M. Rappolt, PE
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 KONA-KOHALA CHAPTER STATE DIRECTOR: Dan Lanterman, P.E.

APRIL 2004 MEETING HIGHLIGHTS

Treasurer's Report: Treasurer Ty Fukuroku reported that our account balance was \$1,984.08.

Introduction of Guests: Phil Johnson, Calvin Higuchi, and Gerald Hiyakumoto from the Maui AIA were introduced.

New guest engineers attending our luncheon were Sean O'Keefe from HC&S, Joel Corpuz

from C. Takumi Engineering, and Tony Krauss from Fewell Geotechnical.

Guest Speakers:

Lesli Otani from the County of Maui Development Services Administration talked about their requirements for the issuance of a grading permit. In general, a grading permit is required if the drainage pattern is altered, the grubbing is in excess of 1 acre, cut/fill exceeds 4 feet in height or 100 c.y. outside of the SMA area, or cut/fill exceeds 2 feet in height or 50 c.y. inside the SMA area.

She then discussed when a permit is not required, limited exclusions, shoreline rules, bonding requirements, and BMP requirements.

Denis Lau from the State Department of Health, Environmental Management Division, Clean Water Branch discussed the requirements for an NPDES permit. In general, an NPDES permit is required for any construction activities, including clearing, grading, and excavation, that result in the disturbance of one acre or more of total land area under a larger common plan of development or sale, and prior to commencement of construction activities.

He also showed photos of what were considered effective and ineffective erosion control and best management practices.

Engineers Week Update:

MathCounts: The top 3 teams this year were: 1st place-Iao School, 2nd place-Kamehameha School, and 3rd place-Kalama Intermediate School. The 1st place team recently traveled to Oahu to attend the State competition in March.

Math Matters: The top 3 teams this year were: 1st place - Lihikai School, 2nd place-Wailuku Elementary School, and 3rd place-Pukalani Elementary School.

**S.A.M.E. Annual Golf Tournament
 Best Ball Scramble**

Navy Marine Golf Course • Tuesday, May 11, 2004 • 11:30 a.m.

GOLF REGISTRATION FORM

Individual Information: _____
 Name: _____
 Organization: _____
 Street Address: _____
 City: _____ State/Province: _____
 Country: _____ Postal Code: _____
 Phone: _____ Fax: _____ E-mail: _____

Sponsorship Price:

Civilian \$100
 Military, DoD Civilian \$50

Team Information: (please fill out or you will be assigned a team or sign up and we will assign you to a team)

Team Name: _____
 Player Names: (1) _____
 (2) _____
 (3) _____
 (4) _____

Contact LTJG Jeremy Ramberg to register your team.
jeremy.ramberg@navy.mil
 808-471-8550

Checks Payable to: Society of American Military Engineers
 SAME Honolulu Post
 P.O. Box 31218
 Honolulu, Hawaii, 96817

All payments must be received by 04 May 2004.
 Tuesday May 11, 2004 11:30 a.m.



2003-2004 OFFICERS

Office	Name	Phone	Fax
President	Cathy Leong	946-2277	946-2253
Vice Pres	Susan Uejo	521-5361	538-7819
Secretary	Pierson Koike	527-6989	521-2501
Treasurer	Fred Smoot	841-7617	833-6125
Past Pres	Richelle Suzuki	541-2530	541-2700

MAY MEETING NOTICE

May 18, 2004, 11:45 a.m. meeting at Belt Collins conference room.

Lowell Chun from the City and County of Honolulu Department of Planning and Permitting will discuss the current update of the Primary Urban Center Development Plan.

March Meeting Highlights

The March luncheon meeting was held on March 23, 2004 at the office of Belt Collins in Honolulu. President Cathy Leong made the following announcements:

1. Cheryl Yoshida, CH2M Hill, has been appointed the new HCES representative
2. Honglong Li, Lyon Associates, Inc., has been appointed the new OMPO Citizen's Advisory Committee representative
3. Hawaii Section to sponsor a NHI Roadside Design Course on May 18-19, 2004. Fliers are forthcoming.
4. 2006 District 6 Annual Meeting Logo entries are due at the end of March
5. Hawaii Section golf tournament scheduled for April 30, 2004 at the Hawaii Prince Golf Course. Cost per golfer will be \$65 and check in is at 10:45 AM.
6. ITE/DTS Engineer's Week Display won the Presentation Award at the Engineer's Week

Banquet

7. Hawaii Section website (www.ite-hawaii.com) has a new Events Gallery which includes photos of the Engineer's Week Display and Banquet.
8. ITE member Ted Kawahigashi was awarded the Lifetime Achievement Award at the Engineer's Week Banquet
9. Field trip planned for June 19, 2004 (Saturday). The Hawaii Transportation Association will allow members to test-drive their trucks to obtain a better understanding of how difficult it is to maneuver large trucks through tight turning radii and narrow lanes.

The featured speakers were Director Cheryl Soon and Mike Oshiro from the Department of Transportation Services (DTS). Ms. Soon began her presentation by providing an update to the ongoing sidewalk widening project along Kuhio Avenue. The existing 4' sidewalks will be widened to 6' on both sides of the roadway. Consequently, the width of the existing four lanes will be modified to provide two 11'-6" outside lanes and two 10'-6" inside lanes. Ms. Soon then turned the meeting over to Mr. Oshiro who spoke about the Waianae Coast Emergency Access Road. Due to increases in population, as well as previous experiences with traffic problems during emergency situations, the mayor allocated funds in 2000 to conduct a planning and feasibility study for an emergency access road through Waianae. Subsequently, the Waianae Sustainable Community Plan was developed by Townscape and the project is currently in the preliminary design stages. The proposed roadways will be designed to agricultural roadway standards with a 40' right-of-way and a 24' pavement width. This pavement width should be sufficient for two buses to pass each other along the roadways. Due to pedestrian safety concerns raised by the communities, the City has only designated two roadways that will be open at all times. The remainder of the new roadways will be kept gated and only opened when needed during emergencies. Adequate, permanent signage will be provided for all roadways and overhead lighting will be provided for the two roadways open at all times.

Roadside Design Course

The ITE Hawaii Section will be contracting with the National Highway Institute (NHI) to conduct the American Association of State Highway and Transportation Officials (AASHTO) "Roadside Design Guide" course. This course is being organized at the request of the HDOT on May 18-19, 2004 at the HDOT Oahu District Conference Room. The fee for the course will be \$270 per participant for ITE members and \$300 per participant for non-ITE members.

Every consultant, contractor, and government employee that works on a road project should be familiar with this topic. This course will provide an overview of the AASHTO "Roadside Design Guide," with an emphasis on current highway agency policies and practices. Each student will receive a copy of the AASHTO "Roadside Design Guide" as the course text.

If you are interested in receiving more information or attending this course, please contact Cathy Leong at 946- 2277 or via email at cleong@wilsonokamoto.com.

Society of American Military Engineers Honolulu Post Scholarship

Award: One \$1,500 Scholarship with a one year SAME 'Young Member' membership

Eligibility:

- (1) High school senior or full-time undergraduate or graduate student at a university with an accredited engineering or architecture program
- (2) Engineering or Architecture Major (for university students)
- (3) U.S. Citizenship
- (4) Minimum 3.0 GPA (require copy of latest transcript)
- (5) Military affiliation or experience (i.e., SAME member or dependent, military dependent, ROTC) not required, but given preference

Requirement: Submit application information (below) with transcript and the following documents type-written and double-spaced:

- (1) Resume of work experience, academic and extra-curricular accomplishments
- (2) Essay (one page maximum) written around Engineer's Week theme (Engineering in the 21st Century) and its impact to society and the military.

Mail To: CDR Bert Diehl
USCG Civil Engineering Unit Honolulu
Attn: SAME Scholarship Committee
300 Ala Moana Blvd., Room 8-134
Honolulu, HI 96850

Deadline: Postmark 10 May 2004

For Further Information: Commander Bert Diehl, U.S. Coast Guard; Telephone (808) 541-2200

Application Information: (Typewritten)

Name: _____

Citizenship: _____

Home Address: _____

City _____ State _____ Zip _____

Phone: _____

E-Mail (if any): _____

School: _____ Major: _____

Student Number: _____ GPA: _____

Student Status: Undergraduate _____ Graduate _____ (Check Applicable)

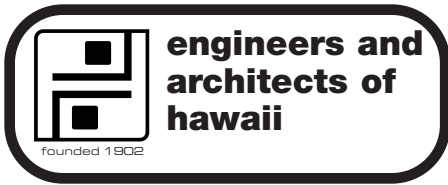
Full Time Student: Yes _____ No _____

Anticipated Graduation Date: _____

Military Experience/Affiliation: _____

SAME Affiliation: _____

(continued on page 11)



po box 4353, honolulu, hawaii 96813
 An association for Hawaii's Engineers and Architects
 New WEB Address <http://community.hei.com/eah>

OFFICERS FOR 2003 - 2004

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 1st V.P.: Bob Morrissey
 2nd V.P.: Gary Yamamoto
 Treasurer: Ralph Dobson
 Secretary: Sam Gillie
 Director: Mary Ellen Nordyke-Grace (2 year term)
 Ron Boyle (2 year term)
 August Ahlf

EAH May Meetings

May 7: **David Martinez, National Parks Service Historian**, featured on the Discovery Channel, will talk about his latest project related to Hawaii.

May 14: **Shari Shima, TV Weather Forecaster** - "How Your TV Weather Get You".

May 21: To be Announced

May 28: **NO MEETING** - in honor of Memorial Day, Mon. May 31

Meetings held every Friday at YWCA room 205 on Richards Street downtown. Parking at Alii Place off Alakea Street for \$1.00 per hour. Meetings start at NOON and end promptly at 1:00 pm.

Members-\$7.50 Guests-\$8.50

Program schedule may be adjusted. Call Secretary to confirm speaker. Anyone wanting a weekly email meeting notice please send your email address to Sam Gillie at sgillie@hei.com.

EAH March Program Report

Attention: Starting in March, all EAH meetings can be heard in their entirety at EAH's WEB site (<http://community.hei.com/eah>). Go to "Past Meetings" Page.

For our February 6 meeting, we had **Mark Fox, Director of External Affairs, Nature Conservancy of Hawaii** talk on the work they are doing for the Protection of Hawaii's Critical Natural Lands.

On March 5th we had **Dr. Manfred J. Zapka, Project Director, Marc Siah & Associates, Inc** talk on new approaches in cold seawater air-conditioning. Dr. Manfred gave a good presentation for the energy saving benefits of using Cold Seawater for Air-Conditioning of buildings. His presentation also included a clear reminder that the World's energy production from fossil fuel is past it's peak and will further decrease over the next 50 years. Accordingly the time is now to prepare for a future without fossil fuels. The entire presentation can be heard at the EAH WEB site.

On March 12th **Emeritus Member Alan Lloyd**, who first joined EAH in 1956 talked on Niihau, the Hawaiian Mystery Isle. Last year Alan Lloyd was invited by Keith Robinson to accompany a film crew making the first commercial video of the island of Niihau. Alan showed an excerpt of that tape as an introduction to his program of his visit to Niihau. During his visit Alan photographed Monk seals on the beaches of Kawainoa Bay and Nonopapa Landing. He also inspected the remains of the

Japanese Zero that crash landed on Niihau on Dec 7, 1941 and observed the crashing surf on the shores of Lehua Rock. Alan also had pictures of Niihau taken when he flew around the island a number of years ago. The entire presentation can be heard at the EAH WEB site

On March 19th **Maria Tome, P.E., Alternate Energy Engineer**, State of Hawaii DBEDT and Past EAH President gave a presentation titled "Ethanol Fuel - Coming Soon to a Car Near You." Maria gave a very informative power point presentation on the State of Hawaii's plans to use Ethanol fuel in Hawaii gasoline. Maria presented the advantages and disadvantages of ethanol, its history from the start of the automobile, its disappearance during prohibition, and its use around the world such as in Brazil. The State has the authority to require the use of Ethanol in Hawaii's fuel and in the future may require gasoline to be blended with Ethanol. Maria's entire presentation can be heard at the EAH WEB site. Also available is the power point presentation either in pdf or ppt (Power Point) formats.

SEAOH, from page 3

2004 Calendar of Events:

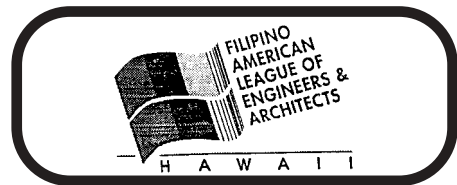
Next BOD meeting: 05 May 2004, 4:30 p.m., at Shigemura, Lau, Sakanashi, Higuchi office.

June 18, 2004: General Membership Meeting at the Honolulu Country Club. The status of the IBC code adoption by the City and County of Honolulu will be presented by Gary Chock. Dr. Clay Naito of Lehigh University will speak on "Blast assessment and hardening of load bearing shear wall structures" and "Development of a seismic design methodology for precast floor diaphragms".

June 26 and 27, 2004: Thomas Keola Ahsing Scholarship Fundraiser Concert at the Hawaii Theater. This concert is a benefit fundraiser for the Thomas "Keola" Ahsing Scholarship in the University of Hawaii College of Engineering.

July 13, 2004: Masonry Design IBC 2003 seminar at the Pagoda Hotel. Seminar and software overview by Russ Brown of Clemson University regarding masonry design per IBC 2003.

August 6-7, 2004: Annual convention at the Turtle Bay Hotel.



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EXECUTIVE BOARD MEETING HIGHLIGHTS

April 8, 2004

Membership: 126 regular, 10 sustaining, 2 honorary, 5 life

Committee Chairpersons

Aloha - Kendall Hee and Dennis Chong

EASLA Board - Randall Hashimoto

Education - Kendall Hee

Continuing Education for Re-licensure - Kendall Hee

E-mail - Kendall Hee

HCES - Erik Kaneshiro

Land Court - Pat Cummins

Legislative - Mary Cummins

Membership - Stacey Kimura

Newsletter/Editor - Dennis Chong

NSPS Board of Governors - Pat Cummins

Programs - Erik Kaneshiro

Public Relations - Pat Cummins and

Dennis Yamasato

Standards - David Hatchell

Non-Profit/Incorporation - Kevin Kea

WESTFED - Pat Cummins

Workshops - Layton Nakao and

Joanne Williamson

Annual Dinner Meeting (McCoy Pavilion) -

Joanne Williamson

HALS 2004 Conference - Erik Kaneshiro,

Chair

SPC NAD83 - Pat Cummins

Committee Reports

Annual Dinner Meeting (McCoy Pavilion) - Joanne reports tentative date of September 17, 2004, dinner at 6:00 p.m., speaker will be Paul Lucas at 7:00 p.m.

Legislative - Recap of various bills in the legislature pertaining to Shoreline Certification (SB 1556), Shoreline Determination (HB 1701) and Shoreline Seawalls & Setbacks (HB 1953). Put on our website with links to specific bills that pertain to our profession.

Non-Profit/Incorporation - Kevin reports that he contacted Lincoln Ishida.

Workshops - Layton reports specifics in workshops needed.

New Business

- E-mail Committee added, Kendall Hee to chair.
- GPS - Ed Carlson reported on High Accuracy Reference Network (HARN), expected to be done in November/December 2004, 3-days (5-6 hours per day), people are needed to help set up the stations. Please contact any Board member for more information.
- Shirts - Layton will handle the sales, to be put up on our website, \$25 per with mailing included, except for international.

ITE, from page 9**ADVANCE NOTICE JUNE 2004 FIELD TRIP**

Date: Saturday, June 19, 2004
 Time: 12:00 p.m. Bento Lunch
 1:00 p.m. Drive Time
 Event: Hands-On Truck Driving
 Cost: \$8.00 for members and guests,
 \$5.00 for students
 Location: Leeward Community College,
 Upper Level Parking Lot

Field trip arrangements with the Hawaii Transportation Association (HTA) have been confirmed. HTA will allow ITE members to drive their large trucks to gain an appreciation of maneuvering large vehicles through tight turning movements and narrow lanes. You may arrive early to watch the HTA professional truck driving competition which starts at 6:00 a.m. and is expected to end around 1:00 p.m.

LGSEA, from page 2

Country Club. With closest to the pin and longest drive contests along with refreshments and games on the golf course, fun was had by all participants. Proceeds will go toward funding the Light Gauge Steel Scholarship given annually to a University of Hawaii at Manoa engineering student. Golf awards were passed out in conjunction with the Conference's official kickoff event, the Build and Buy Green Expo. Over twenty exhibitors displayed products for light gauge steel framing and "green" building. Thursday night wrapped up an exciting first day with a Casino Night.

Friday began a full day of seminar tracks. Attendees learned many different aspects of Green building, along with how light gauge steel framing is a green building product. Speakers included Greg Crawford, VP of Steel Recycling Institute; Larry Williams, President of Steel Framing Alliance; and delegates from local builders Castle and Cooke Homes, Haseko Homes, and Schuler Homes on how their homes achieved the 30star Built Green Rating. The Steel Industry Dinner capped off an educational day with guest speaker Harry Saunders, President of Castle and Cooke Homes Hawaii, discussing their introduction to steel framing in their homes.

Saturday was day two of seminars. Designers and contractors alike learned about a wide spectrum of steel framing topics: new tool and innovations, fire and acoustical details, the newest steel framing design standards, mold prevention, and corrosion research. Speakers came from as far as the East Coast and included local academia Dr. Ian Robertson and Dr. Julian Yates both from University of Hawaii at Manoa. The evening

concluded with the installation of the 2004 HPSFA officers and directors.

Sunday capped off the event with a hosted jobsite tour of various steel framing projects on Oahu. Mahalo to all those members who served as volunteers throughout the event – it would never have been possible without your kokua.

ASCE, from page 4

Nishida, at 533-3646 or lnishida@atahawaii.com for further information.

Membership Renewal

From this month's member data, ASCE has dropped any member not renewing their membership for fifteen (15) months. These members, who have not paid their 2003 dues, will no longer be included in our membership counts or on our membership data. This will greatly affect the standing of our Section, since standings are based on total membership. The total membership consists of new and retained members. If you have let your ASCE membership lapse and have not renewed, you may have been affected by this. Please contact our membership chair, Lori Nishida, at 533-3646 or lnishida@atahawaii.com for further information.

CONVERTING TO ELECTRONIC VERSION OF WILIKI

If you would like to help the ASCE Hawaii Section reduce operating costs by receiving your monthly issue of the Wiliki via e-mail, please contact Joanna Seto at 522-7426 or e-mail her at jseto@ascehawaii.org.

Perpetuating ASME, from page 1

- To build confidence
- To increase understanding & long-term retention of educational concepts
- To build interest in the girls to pursue fields of study and careers not traditionally dominated by females which include engineering, physics, architecture, chemistry, and computer science.

During the competition held on March 27, 2004, it was evident that all the hard work had paid off as the fury of competition between the teams began to heat up. The robots maneuvered thru the various obstacle courses with some teams triumphant, while others encountered defeat. Robots were reprogrammed at the computer stations and sent off to face the increasingly difficult obstacle course. In the end, the Blue team won but all the participants had fun and gained valuable knowledge in the field of robotics and engineering in general. It's these types of activities that will continue to perpetuate the profession of mechanical engineering and ASME International in the years to come.

The ASME Senior Section would like to congratulate and recognize the leadership exemplified by the UH ASME Student Section members in helping to serve as mentors to the girls of the Boys & Girls Club of Hawaii. Also, special thanks goes out to Mr. John Katahira, P.E. of the Limtiaco Consulting Group for coordinating the event between the senior and student sections.

For more information about the Boys & Girls Club of Hawaii, please visit www.bgch.com. To find out more about the UH ASME Student Section, please visit www.eng.hawaii.edu/~asme/.

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The following vacancies are available with City and County of Honolulu, Dept. of Environmental Services:

Division of Environmental Quality - Civil/environmental positions with emphasis in wastewater compliance and pre-treatment.

Office of Administrative Support - Long-Range Wastewater Planning, sewer rehabilitation program management.








Inquiries welcome! Contact the Department of Environmental Services Personnel Office at 692-5557.

Applications available online at www.co.honolulu.hi.us/hr and at the Department of Human Resources, 650 S. King St., 10th Floor (Honolulu Municipal Building – Photo I.D. required for entrance). Hrs. Mon. to Fri. 7:45 a.m. to 4:30 p.m. Phone 523-4301.

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