

2005 HAWAII STATE MATHCOUNTS COMPETITION

Results of annual, preeminent middle school math competition

Four Hawaii Mathletes® will be flying to Detroit this May to compete in the 2005 MathCounts National Competition. We hope there are lots to sightsee in Detroit as there is in Washington, DC. The team of Timothy Meyer and Dong-Yeop Shin of Kaimuki Middle School, Lianne Ho of Iolani School, and Kent Kobayashi of Punahou School, and Coach Evelyn Cheong of Punahou School will represent Hawaii. By excelling in both the written and oral portions of the 22nd Hawaii State MathCounts Competition, these four along with their coach will participate in the 2005 MathCounts National Competition May 5-8 in Detroit, Michigan.

After many years held in the nation's capital, the Motor City will be the National Competition site. MathCounts National Sponsor General Motors will be host to 228 of the nation's top middle school mathematicians at the GM Headquarters and the Detroit Marriott at the Renaissance Center. We are reminded that Detroit is home to the world-renowned educational/entertainment exhibits such as the New Detroit Science Center, the Automotive Hall of

Fame, the Detroit Institute of Arts and GM World at the GM Headquarters where visitors can view an entire lineup of GM vehicles in one 50,000 square foot showroom. I hope this convinces you that Detroit is the place to visit. If this still doesn't convince you, remember that Detroit has the spirit of challenge and that competition is alive in the Detroit culture considering it is the home of the world champion NBA Detroit Pistons and the WNBA Detroit Shock. To make matters more convincing to have the 2005 MathCounts National Competition in Detroit, be it known that Detroit will host the 2005 Major League Baseball All-Star Game, the 2006 Super Bowl, and the 2009 NCAA Men's Basketball Final Four. Obviously, the National MathCounts Competition fits right in with these other world-class competitive event. Detroiters will cheer on the nation's best Mathletes® as they compete for individual and team National Champion titles in the 2005 MathCounts Competition.

To decide who will go to Detroit, the 22nd Hawaii State MathCounts Competition was held March 12 at Kamehameha Schools Kalama Dining Hall. Competing were the six top teams from the Oahu Chapter, the two top teams from the Hawaii Chapter, the top team from the Kauai Chapter, and the top team from the Maui Chapter. They earned the right to represent their chapters in the State Competition by besting other schools in their chapter in February. Competing were also seven high individual scorers who were not on any of these top teams.

After the Sprint and Target Rounds scores were finalized, the top Mathlete® was Timothy Meyer, Dong-Yeop Shin was second, third Kent Kobayashi, fourth Lianne Ho, fifth Jessica Saylor of Iolani, sixth Allison Chen of Punahou, seventh Andrew Howes of Holy Family School, eighth Lucia Mocz of Mililani Middle School, ninth Nicolas Yamagata of Punahou, and tenth Rowan Hale of Parker School.

As a result of the Team Round scores, the top

two schools exchanged positions with Punahou coming in first besting the February Oahu chapter top team, Iolani. Although Kaimuki Middle School had the two top written portion scorers, they could only manage to place third as a team. Fourth place went to Waiakea Intermediate, and the fifth team trophy went to Kamehameha Middle School. Coach Evelyn Cheong earned the trip to Detroit and the official Hawaii State Team Coach title with her Punahou team's first place.

The award presenters were Dr. Michael Chun, Hawaii MathCounts Chairman and President and Headmaster, Kamehameha Schools; Clayton Fujie, Deputy Superintendent, Department of Education; Gail Hayashi, Senior Regional Sales Manager, Aloha Airlines; and Queenie Komori, President, Honolulu Chapter, Hawaii Society of Professional Engineers (HSPE). Aloha Airlines has been a continual, supportive major sponsor of Hawaii MathCounts. The Master of Ceremonies was again Ken Morikami of HSPE and HECO.

Before the award ceremony, Hawaii MathCounts recognized long-time steering committee member Vera Okamura, who is retiring from MathCounts this year having been the co-chair in the scoring room as well as official competition judge for more than 15 years.

Volunteer proctors and scorers came from Hawaiian Electric Company, the US Army Corps of Engineers, ASCE and ASME.

MathCounts is a national enrichment, coaching and competition program that promotes middle school mathematics achievement through grassroots involvement in every U.S. state and territory. It is one of the country's largest and most successful education partnerships involving volunteers, educators, industry sponsors and students. President George W. Bush and former Presidents Clinton, Bush and Reagan have all recognized MathCounts in White House ceremonies. Mathletes were featured in ESPN broadcasts of the 2003 and 2004 National Competitions.



Presenters L-R: Dr. Michael Chun, Gail Hayashi, Queenie Komori, and Clayton Fujie.



Punahou First Place Team: L-R: Kent Kobayashi, Allison Chen, Coach Evelyn Cheong, Jessica Yoshimi, and Nicholas Yamagata.



Hawaii Team, L-R: Timothy Meyer, Lianne Ho, Dong-Yeop Shin, Kent Kobayashi, and Coach Evelyn Cheong



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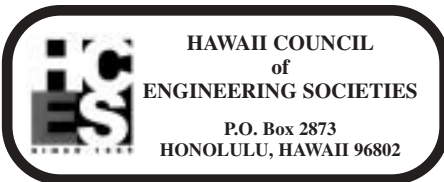
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2005 ENGINEERS WEEK EXHIBITS

The 2005 Engineers Week Display activities were held at Kahala Mall. The activities included a static display competition and a hands-on interactive day. The purpose of both events was to increase awareness and appreciation of engineering to the general public.

Throughout Engineers Week, the public was able to control a traffic signal, view a cross section of a roadway and read about engineering responsibilities and projects in the Pacific among other things as part of the static display competition. Participants in the static displays included:

- ASCE Hawaii Section Younger Member Forum and University of Hawaii Student Chapter
- NAVFAC Pacific
- U.S. Army Corps of Engineers
- Baldrige & Associates
- Hawaii Geophysical Services
- Belt Collins
- CH2M HILL
- City and County of Honolulu, Department of Transportation Services/ITE
- Waipahu High School Engineers Club
- Moanalua High School Robotics Club
- Sacred Hearts Academy Robotics Club

The hands on activities occurred on Saturday February 26th, with representatives from six organizations mingling with the shoppers and getting children excited about the science and engineering fields.

The American Council of Engineers Companies of Hawaii hosted the Hawaii Space Grant Consortium. They had formal demonstrations geared for the keikis relating to aeronautics and rocket science, cryogenics and the dynamics of sound wave motion. Between the formal demonstrations, they ran an activity table with make and take science projects and the McKinley High School robotics club had robotic soccer games and demonstrations with robots that they built.

The American Society of Mechanical Engineers (ASME) came out to share in the celebration of Engineers Week as well as their 125th anniversary. As part of their yearlong celebration, ASME highlighted achievements and milestones of their profession to the general public. They also showcased a fuel cell model that demonstrated using solar energy to

convert water to electricity.

The University of Hawaii Student Chapter of ASME also participated by bringing two of their undergraduate design projects; the mini baja off road vehicle and the human powered vehicle. The students that designed the projects demonstrated the efforts that they put into the planning, design and construction of their vehicles.

Students from Moanalua High School engineering club came down to show-off their robots and tell their peers how they designed, built and entered their remotely operated underwater vehicles in the Hawaii Underwater Robot Challenge.

Finally, the City and County of Honolulu, Department of Transportation Services hosted an informational booth on pedestrian safety for their Walkwise Kupuna program.



Display from CH2M Hill promoting the engineering profession.



Display from ASCE Hawaii Section YMF and UH Student Chapter showing a cross-section of a roadway at an intersection.



Display from the City and County of Honolulu, Department of Transportation Services and ITE demonstrating how signalized intersections and traffic monitoring cameras work.



www.eng.hawaii.edu/~hspe

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HSPE LEGACY PROJECT COMPLETE

The HSPE Legacy home building project was completed on March 6 with the formal dedication and presentation of the certificate of occupancy. The new homeowners, John and Michelle Ka'aihue Ohana of Nanakuli, will be moving in during the week of March 13.

HSPE and Honolulu Chapter Officers, Ken Rappolt, P.E., Barry Nakamoto, P.E. and Nathan Yuen, P.E. attended the dedication and blessing.



John Ka'aihue cuts the Maile lei at the dedication of his new home sponsored by HSPE and Hawaii Habitat for Humanity. (photo by Ken Rappolt).

2005 ENGINEERS WEEK PROCLAMATIONS

On February 24, 2005, State of Hawaii Lt. Governor James R. "Duke" Aiona, Jr. co-signed a proclamation with Governor Linda Lingle declaring the week of February 20 to 26, 2005 as Engineers Week in the Aloha State. Ten representatives of the Hawaii Council of Engineering Societies (HCES) attended the proclamation ceremony at the Executive Chambers of the State Capitol. Lt. Governor expressed his gratitude to engineers for "finding creative ways to address the complex and diverse needs of our ever-changing society."

On February 4, 2005, City and County of Honolulu Mayor Mufi Hanneman similarly signed a proclamation declaring the week of February 20 to 26, 2005 as National Engineers Week in the City and County of Honolulu. Ten representatives from HCES attended the proclamation ceremony at the Office of the Mayor at Honolulu Hale. Mayor Hanneman extended his "deep appreciation for the outstanding contributions of these dedicated professionals to our community."

HSPE in cooperation with NSPE, contributed over \$33,000 to Honolulu Habitat for Humanity, who constructed the project with volunteer assistance from numerous community organizations throughout Oahu.

The HSPE funds were raised through contributions from Hawaii businesses, engineering firms and donations from NSPE members attending the annual convention in Honolulu last July.

HAWAII LTAP DELIVERS TECHNOLOGY TRANSFER

Based at the University of Hawaii College of Engineering, the Hawaii Local Technical Assistance Program (HLTAP) is a technology transfer program jointly funded by the Federal Highway Administration (FHWA) and the Hawaii Department of Transportation (HDOT). It is one of 58 such centers in the United States of America (one in each State, one in Puerto Rico and seven at Native American Tribal Governments). To stretch its effectiveness, HLTAP has executed partnering agreements with eight professional groups, leading all 58 LTAP centers in this respect.

One of the cooperative features of partnering is the joint sponsorship of workshops and conferences. For example, in October 2003, HLTAP and several partners offered a highly successful "Implementing Hawaii's Procurement Law: Challenges and Opportunities," which addressed the provisions of the State's new procurement law that has been described as the most important piece of legislation to come out of that year's legislative session.

Spurred by this success, a joint planning committee was established to organize a follow-up workshop entitled "Design-Build Projects: Benefits and Pitfalls." The committee consisted of Jon Nishimura and Lester Fukuda from the American Council of Engineering Companies (ACEC), Rouen Liu and Larry Leopardi from the American Public Works Association (APWA), Walter Billingsley and Westley Chun from the American Society of Civil Engineers (ASCE), and Gail Ikeda, Juli

Kobayashi and C. S. Papacostas from HLTAP.

The committee met almost monthly for about a year, agonizing about how to objectively and fairly cover this complicated issue in a way that tangibly addressed the needs of owners, contractors and other stakeholders. The result was a two-day program, presented in January of this year at the East-West Center. The first day began with an overview by Eugene Wright of the University of Nebraska of design-build (DB) in comparison to other delivery methods, including the traditional design-bid-build approach. A panel of owners with local experience, including Clyde Morita of the U.S. Navy (NAVPAC Pacific), Glenn Yasui and Gary Choy (HDOT), and Greg Hee (City & County of Honolulu), explained and discussed their specific DB policies and procedures. Following a lunch-time inspiring talk on team building by Jiro Sumada of W. H. Shipman, a panel of respondents to DB requests for proposals (RFPs) presented the perspectives of contractor-led teams (Len Dempsey of Dick Pacific and Lani Smithson of Kiewit Pacific), A/E-led teams (Younes Shahi of EarthTech), an Architectural Designer (Dan Chun of Kauahikaua & Chun) and an Insurer (Karen Hong of Finance Insurance). The first day ended with a lively exchange involving a panel of most of the above speakers and responses to questions from the audience.

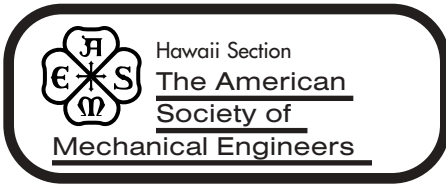
The second day was instructional in nature: Eugene Wright was joined by Attorney Anna Oshiro (of Damon Key Leong Kupchak Hastert) to address, respectively, national and local issues relevant to DB. These included project delivery systems, contracts, bridging and payment of stipends, and design build experiences in the public sector.

Judging by the overflow demand that exceeded the venue's capacity of 125 people, the topic was both important and timely. Moreover, attendees were generally satisfied with the coverage of the topic as the following sampling of their comments shows: "for the most part, the selection of presenters was the best possible for the subject matter," "topic was discussed in the public and private per-

(continued on page 13)



HCES representatives with State of Hawaii Lt. Governor Duke Aiona at the State proclamation signing.



Website: www.sections.asme.org/hawaii

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HAWAII SECTION GENERAL MEETING

Date: Tuesday, April 5, 2005

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

Place: Hawaiian Electric Company, Inc. Ward Avenue Cafeteria

Program: Continue planning section activities for the rest of the year. The Officers and Directors of ASME-HI look forward to seeing new and familiar faces. Lots of free pizza and pop are always provided. Please contact Ray Liu or Sam Gillie for directions and for more information.

2005 BALLOT AND SURVEY

The deadline for the ballots and surveys was March 31. Thank you for your help in guiding the Hawaii Section through another year. The results will be highlighted in the May Wiliki and on our section web site.

ASME 125th ANNIVERSARY CELEBRATION WHALE WATCHING CRUISE

What a great event for the ASME 125th Anniversary. Thanks to member Paul Michael Watson, President of Dream Cruises, the Hawaii Section is the only ASME Section to have a whale watching cruise for this celebration. The price was right so many took the ride. Please keep watching the Wiliki for a future planned cruise, and please visit the ASME-HI web site for photos.

NOMINATIONS FOR ASME-HI SECTION 2005 PROJECT/DESIGN OUTSTANDING ACHIEVEMENT AWARD

The nomination deadline is April 30, 2005. You can submit nominations any time before that date. If you know of any unusual or outstanding mechanical engineering-type project or design that have been completed within the past five years, please contact Ed Chang at 543-4227. The nomination process is very simple, easy, and fast. Visit our section web site for more information and a copy of the nomination form.

REQUEST FOR DONATIONS FOR THE ASME HUMAN POWERED VEHICLE (HPV) AND MINI BAJA PROJECTS

The UHM ASME Student Section HPV Team and Mini Baja Team continue to seek support and donations from the engineering community for expenses to design, build, and compete in their respective competitions.

The HPV Team plans to compete in the April 29 – May 1, 2005 ASME West Coast Competition, while the Mini Baja Team plans to compete in the June 1 – 4, 2005 Arizona competition. Because of the high cost to participate in these annual student competitions, the students seek your help in funding. They expect expenses to reach as high as \$14,000 for HPV and \$25,000 for Mini Baja for materials and travel. Donations are tax deductible. Checks can be made out to "UH Foundation/

Engineering" (specify HPV or Minim Baja or both) and mailed c/o Dr. Mehrdad Ghasemi Nejhad, Department of Mechanical Engineering, University of Hawaii at Manoa, 2540 Dole Street, Holmes Hall #302, Honolulu, HI 96822. Any support will be greatly appreciated.

CONTINUITY & CHANGE UPDATE

PMTF Decisions Continue Transition Process

The Project Management Task Force (PMTF) has made several key decisions enabling the Continuity & Change effort to move forward:

- All governing units of Sectors will be called Boards of Directors, replacing the current committee/council structures;
- The Center for Professional Practice and Development has been renamed as the Center for Professional Development, Practice and Ethics;
- And, a new project team template "Knowledge and Continuity" has been approved.

For the latest information on Continuity & Change, log onto the newsletter: <http://www.asme.org/change/INNEW/SLTR0105.htm>.

HOUSE OF REPRESENTATIVES HONORS ASME ON ITS 125TH ANNIVERSARY

The U.S. House of Representatives passed a resolution congratulating ASME on its 125th anniversary. The resolution, Senate Concurrent Resolution 13 (S.Con.Res.13), which was also passed by the U.S. Senate, recognizes and celebrates the achievements of ASME and its members.

"ASME is proud to be at the forefront of engineering and scientific innovation. We're honored by the congressional recognition given to ASME for 125 years of setting the standard in engineering achievement," said ASME President Harry Armen. The resolution commends ASME for its "key role in protecting the welfare and safety of the public through the development and promulgation of over 600 codes and standards... routinely used by industry and people in the United States and around the world." It also notes ASME's role in ensuring "the provision of quality science, technology, engineering, and mathematics education for young people as a way to foster and encourage the advancement of technology." Introduced by Sen. John Sununu (R-NH), a mechanical engineer, S.Con.Res.13 describes ASME as "one of the premier professional organizations focused on technical, educational and research issues of the engineering community."

FUTURE TOURS AND EVENTS

- P.E. Study Group and P.E. Refresher Course: Chairman Ray Liu is coordinating a review course for the October exam with Dr. Charly Kinoshita and Dr. Stephen Masutani as instructors. Watch for the dates, times and place for the course.
- Tour of the Honolulu Advertiser printing plant in Kapolei. Ed Chang is waiting for the Advertiser to specify a date for the tour. Since the presses operate only in the late evening and early morning, the presses will most likely not be running during the tour.
- Tour and Hawaii Section meeting with Big Island member in Kona for June 2005. Possible sites to visit include cold water bottling plant, HELCO Keahole Power Plant, and the Hamakua Partners Power Plant. Other suggestions will be appreciated.

Boys and Girls Club of Hawaii Spalding House First Lego League Competition

During the months of December and January, members of the American Society of Mechanical Engineers-University of Hawaii at Manoa (ASME-UHM) collegiate chapter mentored a group of 6th to 8th grade girls at the Boys and Girls Club of Hawaii (BGCH) Spalding clubhouse in their first First Lego League Competition (FLL) held at the Mid Pacific Institute on January 29th. The FLL competition is a collaboration between FIRST and LEGO to promote science and technology to younger children through hands-on experience and experimentation using LEGO. LEGO Mindstorms Robotics Invention Systems was used to create a fully autonomous robot programmed to complete useful tasks such as flip switches or distribute/retrieve items from one area to another area.

The idea of LEGO robotics was first introduced to the ASME-UHM students by Mr. John Katahira and Mr. R. Scott Simon of the Alliance and Debbie Azama-Park of the BGCH. Mr. Katahira and Mr. Simon found time in their busy schedules and approached the students this past semester to continue their involvement with the community service project that promoted engineering and science to young girls. The ASME-UHM students participated in the LEGO robotics program the previous year but it was their first time competing in the FLL.

The FLL was an addition to the LEGO robotics program. It was introduced by Aaron Dengler, a Punahou science teacher, who also found time in his busy schedule to help mentor the girls. Because the ASME-UHM students were already involved with LEGO Robotics it was not such a far stretch to enter into a competition dealing with LEGO and robotics in a more large scale structured event.

The LEGO robotics program at the BGCH was organized and operated by the college students. This was a more relaxed environment. When the competition was introduced specific tasks were given with a deadline. Dealing with young girls in the afternoon was a challenge for the college students. ASME-UHM students started with a group of about 15 girls but after time the number decreased to a third of its size. It was disappointing to see the decline in numbers but at the same time a hidden blessing because it made the mentoring sessions more manageable for the students who were thought, "Was I this much to deal with? Sorry mom and dad."

Some of the tasks that the girls had to complete was to deliver a CD from one point to another, retrieve a pair of glasses from a point on the field and bring them back to base, push in chairs around a table, climb stairs, flip switches, open a gate, deliver items from base to a point on the playing field, and deliver balls from base to a hoop. After understanding the rules and tasks, the students had to teach the girls the tools that would allow them to create their robots.

The girls started out with a fairly simple job by first following written directions with pictures to construct a four-wheeled robot chassis. Then the girls were introduced to the tasks where they brainstormed ideas. Delving further, they decided on a few feasible ideas that could do their tasks. Their main tool was a computer that was used to program the directions for the robot. The robot also used touch sensors, light sensors, and motors as input and output devices, respectively. The girls were not receptive at first but after the ASME students

showed the girls some tricks like making the robot mimic singing and dancing they started to try the programming themselves. After that, the girls pretty much took over. They learned the basic programs like moving straight, turning, reversing, and stopping. By combining the basic programs, the girls quickly found out that they could do most of the tasks. That led to the testing stage. This part tested the girls' patience because they thought that once they programmed the robot that was it. They found out that there were other factors involved which lead to a revamping of their computer program.

After all their testing and modifications, the girls were off to the competition where they met other junior robot-engineers from other schools. The girls were not intimidated just a little nervous about how their robots would fare in the actual game setting.

The competition was an exciting event where one could watch the children's emotions expressed at every completed or failed task. There were three rounds with an intermission between rounds. Creative ideas were revealed by each of the youngsters' robots. Pride in their work was obvious, a sign of a good engineer. Competitors were given a 2 minute 30 second time limit per run to complete as many tasks as possible. Teams brought strategies that they had practiced earlier in the week. Some strategies were tasks that would score the most points were done first, the number of times each task was retried before moving on to the next task, and who and when was allowed to operate the robot. As in any actual situation, unexpected problems occurred during the competition. For example, as a team was about to start the match, their robot crashed to the floor resulting in the transformation of potential energy to kinetic energy where all their pieces were spread out on the floor. Two of the team members looked at each other and paused for about 3 seconds but understood that they still had to try to compete so they scurried to gather the pieces and with surprising speed recreated their robot. That team was able to gain some points during that round instead of losing control and breaking down. What composure.

The competition was over after about an hour but it must have been infinitesimal for the competitors. The BGCH girls did not fare so well against the other schools but that was never the idea. The idea was to expose the children to science and engineering and add a little competition to give them a little push to better themselves. The girls learned so much. They are now interested in a school robotics program where they will share their experience with their classmates.

ASME & ASHRAE Whale Watching Tour Celebration

As part of the yearlong celebrations of the 125th Anniversary of ASME, the Hawaii section members and the local ASHRAE Hawaii Chapter members attended a whale-watching cruise on Saturday, March 5, 2005 sponsored by Dream Cruises Hawaii.

This joint event, which also served to help celebrate the 35th anniversary of ASHRAE Hawaii, was an exciting event to promote not only the profession of mechanical engineering to the public, but to give an opportunity for members of both professional societies to come together and enjoy the sights and sounds of the whale watching season which ends in March.

Choosing to embark either on the 7:30am, 9:30am or 3:30pm tours on the "American

Dream", the members were treated to an educational whale watching tour that included an expert narration of the types of whales found in our Pacific waters, interesting facts on their migratory patterns and even listening to "whale songs" on the ship's loudspeakers to entice the whales to surface. But the highlight was the sighting of the whales as the members scanned the ocean's horizon to identify the white mist of the spout as the whales surfaced.

On the 9:30am tour, the weather was cloudy and the seas a little choppy. But as the 50 or so members from both societies, along with the normal Japanese and mainland tourists and locals embarked on the tour, a total of 3 sightings were made with no one left disappointed. The sighting also included a baby whale swimming along side its mother and the characteristic "splash" of the whales as they surface from the ocean – all viewed from the safe distance required of federal laws.

The ASME Hawaii section would like to thank Mr. Michael Watson, President of Dream Cruises Hawaii for sponsoring the tour for both ASME and ASHRAE Hawaii members. Also, thanks to Mr. Victor Russell, ASHRAE Hawaii president for coordinating this joint event with the ASHRAE members.

ASME Hawaii Section Participates in Engineer's Week Celebrations at Kahala Mall

Members of the ASME Hawaii and ASME UH student section participated in the activities booth and display on Saturday, February 26, 2005, as part of the annual Engineer's Week activities held at Kahala Mall during the week of February 21 thru 26, 2005.

Along with on-stage interactive activities, senior section member Sam Gillie of Hawaiian Electric Company provided an activity booth showcasing a demonstration model of a working solar powered hydrogen fuel cell. Senior section member Raymond Liu of Hawaiian Electric Company also helped out with distributing promotional material highlighting the 125th anniversary of ASME and its achievements.

The UH ASME student section showed off their mock-up of their Human Powered Vehicle (HPV) and their prototype vehicle of their entry into the Mini Baha competition on the mainland later this year. David Katsuda, a senior in the mechanical engineering program, fielded questions from the public on the Mini Baha vehicle, while Blake Sato and Mike Bicoy answered questions about the Human Powered Vehicle.

This rare opportunity, coinciding with the 125th anniversary of ASME, provided both senior and student sections valuable contact with the general public in promoting the profession of mechanical

engineering and explaining how it affects the public welfare.

The ASME Hawaii section would like to thank Mr. Tony Lau, HCES Chair, and Ms. Cheryl Yoshida, Engineer's Week Activity/Display Booth Coordinator, for coordination on the event to promote the 125th Anniversary of ASME to the general public.

P.E. Refresher Review Course

ASME Hawaii invites all members and mechanical engineers who qualify to take the P.E. exam scheduled for October 29, 2005 to contact Raymond Liu via email at rliu192228@aol.com to register for the upcoming P.E. refresher course.

The refresher course is envisioned to be a 10-week course taught by volunteer ASME members who are registered engineers in the State of Hawaii. The classes will be held at the Hawaiian Electric Company cafeteria meeting rooms with parking available onsite. A nominal fee for the course will apply.

For updates on the P.E. refresher course, please visit www.sections.asme.org/hawaii.

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



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For more information contact:
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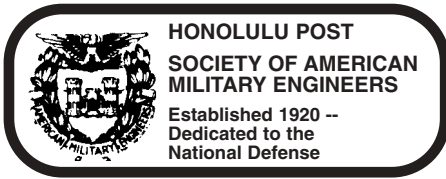
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- ◆ 23-36 years of age
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April Meeting Announcement

Where: Hale Ikena, Ft. Shafter
 When: 12 Apr (2nd Tuesday of the month),
 1130 hrs
 Menu: Buffet
 Cost: \$13.00 for members; or,
 \$15.00 for non-members
 Guest: Mr. Ron Borne, Army Transformation
 Speaker: Office
 Topic: Army Transformation Requirements
 RSVP: NLT Tues, 5 Apr 05

This deadline is established because we have to give the Hale Ikena a headcount one week in advance. So, please RSVP to Major Randy Whitecotton before the deadline! To reach the current copy of the Wiliki, go to our Post website, <http://posts.same.org/honolulu/>, and click on middle top button, "The Koa Wiliki".

MEETING NOTES (8 MAR 05)

Attendance totaled 88 people composed of: *sustaining members (SM)* representing the Architect/Engineering/Construction industries and *public sector members* (military & gov't civilian) representing the Army, Marine Corps, Navy, Air Force and Coast Guard.

Colonel Timothy A. Byers, The Pacific Air Forces Civil Engineer, Headquarters Pacific Air Forces, gave a presentation entitled, "The PACAF Civil Engineer". Highlights of his talk included:

- The PACAF Commander, Gen Hester, has identified his "4Ps", (i.e., Focus Areas)
 - Posture Our Forces—strategic triangle basing (e.g., Alaska, Hawaii, and Guam) and strategic engagement with other services and host nations
 - Prepare/Project—immediate and responsive combat capability
 - Promote—regional stability and security
 - People—take care of troops and families
 - 300 PACAF engineers support JTFs and many taskings throughout CENTCOM theater of operations
 - MFH investment of \$2.9B (MILCON) through 2011
- Beddown initiatives with projected funding
 - Hickam: C-17 (\$180M); Global Hawk; JPAC (\$52M); AFPAC—Warfighting Headquarters: PAOC (\$7M)
 - Elmendorf : C-17 (\$103M); F-22 (ROM \$325M)
 - Korea: Osan FOTA(\$80M); Kunsan FOTA (\$500M) ; Kwang Ju FOTA (\$73M)
 - Misawa (\$3.5M)

- Yokota Joint/Coalition Beddowns
- Kadena Joint Beddown
- Andersen: Global ISR; Expeditionary Combat Support and Training Campus; \$47M funded '07-11; \$126M unfunded '08-11
- Transformation Investment in PACAF (TIP)—MILCON Role:
 - Investment strategy: 4 Ps
 - Buyout Installation Readiness Report C-3 and C-4 Ratings
 - Meet 67-Year Recap for current mission
 - MILCON funding streams: Current and future mission and corporate adjustments
 - Healthy MILCON program in Pacific over next 4-6 years: \$1.1B
- PACAF Strategic Energy Plan (EO 13123): goal to conserve energy and save money
- Dorms and Housing
 - Dorm program: \$250M through '07
 - MFH Quality of Life investment is \$2.9B through 2011
 - AF Housing Master Plan fixes worst-first by '07 in US and '09 overseas
 - Housing Privatization at Hickam, Elmendorf, Eielson and Andersen

ENGINEERS WEEK KICKOFF LUNCHEON

The 2005 Engineer's Week Kick-Off Luncheon was held on February 22, 2005 at the Hale Koa Hotel. The luncheon was co-sponsored by the Society of American Military Engineers (SAME) and the Hawaii Council of Engineering Societies (HCES).

The keynote presentation was on the University of Hawaii (UH) Civil Engineering Research Park. The presentation was done by Dr. Wai-Fah Chen, Dean, UH College of Engineering (COE); Dr. H. Ronald Riggs, Chair, Department of Civil and Environmental Engineering, UH COE; and Dr. Ian Robertson, Associate Professor, Department of Civil and Environmental Engineering, UH COE.

The vision for the Civil Engineering Research Park is to provide a Major off-campus research facility designed for multiple research, training and development activities in civil engineering. The facility will include:

- A Large-Scale Testing Laboratory
- An Environmental Exposure Laboratory
- An Advanced Materials Laboratory
- The Tsunami Engineering Research Institute
- Local Technical Assistance Program
- Innovative Technology Development
- Housing Science and Technology (Smart House design and materials)

The luncheon was well attended by approximately 125 people from all the HCES member societies.



Colonel Steven Hoarn welcomes the luncheon guests.

- Utilities Privatization proceeding at Hickam, Elmendorf, and Andersen
- Environmental: mature program
 - FY05 program: \$33M for compliance and \$50M in restoration
 - Hot Button Environmental Topics: TRIAD (Secretary of the Air Force – EPA partnership), Korea Environmental Governing Standards, PCBs, Critical Habitat
- Copy of Col Byers' presentation can be found online: <http://posts.same.org/honolulu/>

(continued on page 13)

SAME Engineering and Construction Camp

The SAME Engineering and Construction Camp is upon us once again! Don't miss out on this opportunity to send a high school student interested in architecture/engineering to one of these fabulous camps. This year the Honolulu Post is sponsoring two high school students to attend the camps. The Post has reserved a spot at the Air Force Academy camp, Colorado Springs, CO, July 5-11, and a spot at the Navy Seabee camp, Port Hueneme, CA, July 23-29, 2005. Students interested in attending one of the camps must meet the following requirements:

- The student must have completed the freshman or sophomore year of high school and have an expressed interest in applying to a Service Academy or ROTC program, OR, the student must have completed the junior year of high school and have already applied for entry to a Service Academy or ROTC program
- Be on a high school track that will provide a basis for attending an accredited engineering college or university (i.e., taking appropriate math and science courses)
- Have an expressed intent to pursue a degree in architecture, engineering or a related field
- Have demonstrated leadership characteristics through participation in extra-curricular activities, sports, and/or community activities
- Be physically fit
- Be of high moral character

The Honolulu Post will pay the airfare and half of the \$500 registration fee to attend the camp. Upon successfully attending the camp, SAME will reimburse the student their half of the registration fee. An application package and more information on the camps is available at <http://www.same.org/camps>. Students must fully complete the student application form, emergency treatment authorization form, and the medical release form for the camp they are interested in. Send the completed package (all three forms) to SAME Engineering and Construction Camp c/o Lieutenant Greg Jennings, 400 Marshall Road, PWC Compound, Bldg. X-11, Pearl Harbor, HI 96860. All applications must be received by April 22, 2005 to be considered. The Honolulu Post Board of Directors will judge the applications and select two campers to attend.

If you have any questions, please contact Lieutenant Jennings at greg.jennings@navy.mil or 808-471-1170 x240 or 808-277-7642.

2004

Concrete Achievement Awards



NEW LOW-RISE BUILDING AWARD

SANDY AND MIKE HARTLEY MATH-SCIENCE-TECHNOLOGY COMPLEX • MID-PACIFIC INSTITUTE

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STRUCTURAL ENGINEER THE ENGLEKIRK COMPANIES
CONSULTING STRUCTURAL ENGINEERS
GENERAL CONTRACTOR ALBERT C. KOBAYASHI, INC.

Mid-Pacific's new complex is comprised of an East and West Wing. They are two separate buildings, almost placed end-to-end, but connected together with a multi-level, multi-functional concrete plaza. The framing system of both buildings used standard components, all made of concrete – concrete footings, slab-on-grades, retaining walls, walls and columns, beams, precast planks, and concrete toppings – all greatly simplifying construction and providing sound engineered structures.

HAWAII ENGINEERS WEEK BANQUET

The 2005 Hawaii Engineers Week Banquet was held on Saturday, February 26 at the Ala Moana Hotel. Emcee Fred Kobashikawa welcomed over 250 engineers and guests to the evening. Fred and Ron Ho provided elegant piano music while everyone enjoyed dinner.

The formal program began with a slide show summarizing the Engineers Week static display competition and the hands-on interactive day. Both events were held at Kahala Mall during Engineers Week. The City and County of Honolulu Department of Transportation Services/ITE display, ASCE Younger Member Forum and UH Student Chapter display, and CH2M Hill display were presented with awards for their static displays.

Next, engineering awards for 2005 were presented to Student Engineer of the Year Blaine Murakami, Young Engineer of the Year John Katahira, Engineer of the Year, Robert Akinaka and HCES Lifetime Achievement Award recipient Stanley Kawaguchi. The awardees were recognized for their outstanding accomplishments in their respective fields of engineering, contribution to the engineering profession and service to the community.

Keynote speaker Bob Sigall entertained the crowd by asking trivia questions and presenting "little known facts" about Hawaii from his book "The Companies We Keep". The interaction between Mr. Sigall and the audience was energetic.

Finally, the evening concluded with the installation of the 2005 Hawaii Council of Engineering Societies (HCES) officers. The 2005 HCES officers are Chair Westley Chun of ASCE, Vice-Chair Todd Barnes of SAME, Secretary Maelyn Uyehara of AACE and Kenneth Rapolt of HSPE.

HCES thanks all of the volunteers that made the 2005 Engineers Week Banquet a huge success. HCES also thanks everyone who attended to cap off the celebration of Engineers Week in Hawaii. HCES hope to see everyone again and more at the 2006 Engineers Week Banquet.



HSPE State President Riley Smith presents Robert Akinaka with 2005 Engineer of the Year Award.



HCES Past Chair Wayne Kawano presents Stanley Kawaguchi with 2005 HCES Lifetime Achievement Award.



HSPE Honolulu Chapter Vice President Nathan Yuen presents John Katahira with 2005 Young Engineer of the Year Award.



UH COE Assistant Dean Song Choi presents Blaine Murakami with 2005 Student Engineer of the Year Award.



Speaker Bob Sigall addresses the banquet guests.



HAWAII CHAPTER

P.O. Box 508, Aiea, Hawaii 96701
Phone: (808) 485-1400 Fax: (808) 485-1500
Web Page: www.lgsea.com

2005 OFFICERS & DIRECTORS

		Phone	FAX
President	Jeff Hanyu	536-2108	521-3000
Vice President	Tim Waite	479-1216	941-9079
Secretary	Brian Enomoto	486-5202	486-5206
Treasurer	Will Wong	945-0198	944-1177
Director	Howard Lau	942-9100	942-1899
Director	Glenn Isidro	533-2210	533-2686
Director	Akira Usami	682-5747	682-2928
Director	Darin Okuda	689-5400	689-5406
Director	Brent Uechi	521-6958	533-6701
Director	Shane Arnold	864-8133	
Past President	Mike Kasamoto	955-6834	955-2483

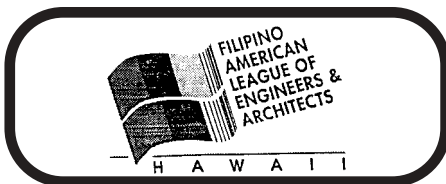
2005 COMMITTEE CHAIRS

Program:	Tim Waite
Technical:	Brent Uechi
Membership:	Darin Okuda
Sponsorship:	Glenn Isidro
Directed R&D:	Jim Walfish
Specifications:	Brent Uechi
Young Engineer Education:	Jeff Hanyu
Website:	Jeff Hanyu

General Membership Update

President Jeff Hanyu has created a new committee for 2005, the Young Engineer Education Committee. Citing a need to further educate the engineering student at the university level, this committee will reach out to students to introduce them to cold formed steel. The committee has begun discussing various programs and will attempt to work closely with the University to make this a success. Jeff will serve as the chairperson of the committee. If you are interested in helping with this committee or any others, please do not hesitate to contact the respective committee chairperson or one of the Directors!

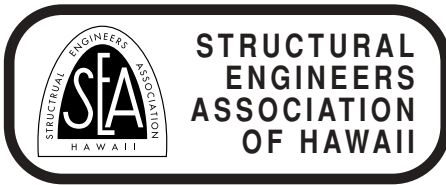
In other news, Akira Usami requested and received a letter of approval from the City and County of Honolulu to use a fire rated light gauge steel floor-ceiling assembly in conjunction with solid wood blocking at a two-hour area separation wall. This intersection had previously been accepted with only wood floor-ceiling assemblies. Copies of this detail and acceptance letter may be obtained from Akira and in the future, the LGSEA web site. Please contact Akira for more information. He can be reached at 808-682-5747 or ausami@dietrichindustries.com.



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

2004-2005 OFFICERS AND DIRECTORS

President	Greg Garcia
Vice-Pres./	
Pres.-Elect	Vergel Del Rosario
Secretary	Judy Tabios
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Asst. Treas.	Elvi Pineda
Bus. Mngr.	William Gacutan
Asst. Bus Mngr	Susie Agraan
PRO	Nap Agraan
Directors	Constancio Galang
	John Ramos
	Marites Shoji
	Jun Suela
	Renie Agsalda
	Rene Maniulit
	Segundo Velasco
	Joey Resurreccion



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

2005 BOARD OF DIRECTORS (BOD) OFFICERS & DIRECTORS

President	Beverly Ishii-Nakayama <i>beverlyn@lava.net</i>	942-9100
Vice Pres	Bennett Fung <i>bfung@ssfm.com</i>	356-1232
Secretary	Dean Kokubun <i>deank@nagamineokawa.com</i>	536-2626
Treasurer	Garett Muranaka <i>garett.muranaka@heco.com</i>	543-7574
Director	ibbotson Kellett <i>ibbotson@hawaii.rr.com</i>	540-1030
Director	Wayne Kawano <i>wkawano@ccpihawaii.org</i>	848-7100
Director	Dean Doi <i>ddoi@satoandassociates.com</i>	955-4441
Director	Paul Morimoto <i>paul@hirata-hawaii.com</i>	486-0787
Past Pres	Randy Chu <i>rtchu@hawaii.edu</i>	373-795

HIGHLIGHTS OF BOD MEETING

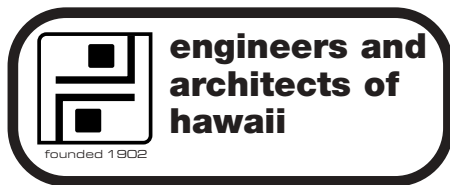
March 02, 2005

New Business:

Membership Committee: The BOD voted to accept Jiabao Chen, KAI Hawaii, Inc., John Uno, Consulting Structural Hawaii, Inc., and Jerry Fujita, KAI Hawaii, Inc., as Allied Members.

2006 SEAHO Convention Committee: The Board voted to begin preparations to convene the 2006 SEAHO Convention in Japan. Tentative destinations within Japan are Kobe, Kyoto and Osaka.

2005 Structural Engineers Association of California (SEAOC) Annual Convention Call for



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

2003-2004 OFFICERS

President	Bob Morrissey	485-2777
1st VP	Gary Yamamoto	523-8874
2nd VP	Ron Boyle	523-8874
Treasurer	Ralph Dobson	543-4754
Secretary	Sam Gillie	543-4739
Director	Mary Ellen Nordyke-Grace	543-7000
Director	August Ahlf	737-2831
Director	Travis Hylton	531-3017
Director	Eric Kashiwamura	543-4705
Past Pres.	Martin McMorrow	247-1794

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.

Papers: The SEAOC issued a Call for Papers to be presented at its 2005 Annual Convention scheduled for September 28 through October 01, 2005 at the Loews Coronado, San Diego, California. Technical program is currently scheduled to be composed of papers in the following three (3) areas – (1) Practical Design; (2) Research / New Methods / New Applications; and, (3) Business. See the SEAOC website for more information (www.seaoh.org).

Steel References Library: The Hawaii Steel Fabricators has offered to purchase and donate reference materials for a Structural Steel Library located at the office of Special Inspection Consultants, Inc. The American Institute of Steel Construction Inc. (AISC) has also donated reference materials for the new Structural Steel Library. A detailed list of the reference materials will be posted on the SEAOC website.

Other Business:

ASCE 7 Code Change Proposal: It was reported that ASCE 7 Code change proposal S16-04/05 to restrict the use of the Alternate Allowable Stress load combinations found in Section 1605.3.2 of the 2003 IBC to foundation design was defeated at a recent International Code Council (ICC) Code hearing. The SEAOC BOD had previously opposed the change proposal for the previous Code cycle.

2005 Calendar of Events:

April 08, 2005: Qrtly Meeting - IBC 2003 Life

Safety Provisions for Structural Engineers (Speaker: Mr. Sam Dannaway)

April 26, 2005: Seminar - Transitioning from 1997 UBC to 2003 IBC

May - June 2005: Golf - SEAOC Golf Tournament


June 23-25, 2005: Expo - First Annual 2005

(continued on page 13)


ATLAS SYSTEMS

Developer/Manufacturer of Rapid Foundation™ Support Products and Equipment

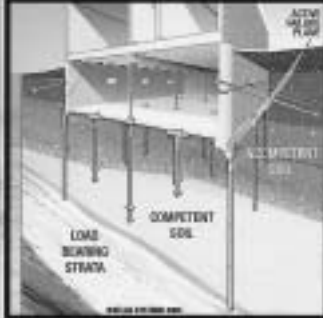
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Resistance Products





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Products



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Concrete Design Seminar: "Transitioning from the 1997 UBC to the 2003 International Building Code" with S.K. Ghosh

**Sponsored by Structural Engineers Association of Hawaii
and the Cement and Concrete Products Industry of Hawaii**

This seminar will discuss how the structural provisions of the new code (Chapters 16 through 23) differ from those of the 1997 UBC, with particular emphasis on the seismic provisions.

Tuesday, April 26, 2005, from 8:30 am to 3:30 pm (registration at 7:30 am), Makai Room, Pagoda Hotel, 1525 Rycroft Street, Honolulu.

Featured speaker is S.K. GHOSH, P.E., Ph.D.,
president of S.K. Ghosh Associates Inc. (SKG), which is a company that specializes in structural, seismic, and code consulting.

Registration fee is \$85 per SEAOC/CCPI member; \$95 per non-members; \$40 per UH engineering student. Registration includes presentation handout, 2003 Analysis of Revisions to the IBC-Structural Provisions, lunch, and parking. Class size is limited. Registration deadline is April 22, 2005.

**For additional information or to register, call CCPI at 848-7100
or email to wkawano@ccpihawaii.org**





2004-2005 ASCE Hawaii Section Executive Committee

Office		Phone	FAX
President	Keith Niiya email: kniiya@atahawaii.com	533-3646	526-1267
PresElect	Walter Billingsley email: wbillingsley@beltcollins.com	846-3232	538-7819
Vice Pres	Lori Fong email: lfong@ascehawaii.org	531-7094	528-2368
Secretary	Phillip Ooi email: ooi@wilki.eng.hawaii.edu	956-8512	956-5014
Treasurer	Ron Iwamoto email: ron@iwamotollc.com	454-2348	454-2997
Past Pres	Westley Chun email: wkchun@engrsol.com	488-0477	488-3776

APRIL DINNER MEETING

Program: Student Chapter Presentation

Please come and join the University of Hawaii Student Chapter as they take us on a journey to share their activities over the last year. Highlights of their adventures at this year's Pacific Southwest Student Regional Conference in California, for which they design and build a concrete canoe, a steel bridge, and other items using their engineering skills, will be presented. At the conference, they competed against other universities and participated in a number of other technical contests and social events. The Student Chapter will also showcase their community service projects and share highlights of the Chapter's social events.

Date: **Thursday, April 21, 2005**

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 Ron Iwamoto, ASCE Treasurer, c/o Iwamoto & Associates, LLC, 98-029 Hekaha Street, Suite #37, Aiea, Hawaii 96701, postmarked by Monday, April 18, 2005. Reservations for the dinner meeting to Ron Iwamoto by Monday, April 18, 2005, by phone at 486-5202, fax at 486-5206 or email at ron@iwamotollc.com.

EXECUTIVE COMMITTEE MEETING

April 12, 2005

ASCE HAWAII SECTION STUDENT SCHOLARSHIPS

Please help us increase our scholarship endowment so that we can recognize those deserving students. We continue to accept tax deductible donations with the goal of increasing the annual scholarships. Make your check payable to 'ASCE Hawaii Section' and mail to ASCE Scholarship Committee, P.O. Box 917, Honolulu, HI 96808. If you have any questions, please contact Westley Chun at 440-0269, or Westley.Chun@ch2m.com.

WALTER LUM SCHOLARSHIPS

Two \$1,500 Walter Lum scholarships will be awarded to civil engineering students at the University of Hawaii. Applications can be

found on the Hawaii Section Web site at <http://www.ascehawaii.org/awards.html#walter-lum>.

MISCELLANEOUS AWARDS

The ASCE Hawaii Section was selected for the award for the 2004 National Outstanding Section and Branch Web Site Award for Large Sections. Thank you Joanna Seto for making this possible two years in a row.

The ASCE Hawaii Section was selected for the 2004 Outstanding Large Section and Branch Award for Zone IV.

Also, heartiest congratulations go out to Stacie Kaneshiro for receiving the 2004 Outstanding Young Engineer in the Public Sector award.

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)
- Board of Water Supply (Chief Capital Projects Officer - Honolulu)
- CH2MHILL (Entry-level Water Engineer - Honolulu)
- Fewell Geotechnical Engineering (Geotechnical Engineer - Honolulu)
- Fukunaga & Associates (Civil and Civil/Environmental Engineers - Honolulu)
- GeoEngineers, Inc. (Senior Engineer)
- Miller Associates, Inc. (Hawaii Licensed Land Surveyor)
- Trudeau and Associates Client (Development Manager)
- Warren S. Unemori Engineering (Project Engineer and Civil Engineer - Wailuku)

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

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

SIGN-UP FOR THE ASCE HAWAII SECTION'S WEBMAIL LIST

If you would like to receive e-mail notices of upcoming meetings or activities please sign-up for the ASCE Hawaii Section's webmail list at <http://www.ascehawaii.org/emailform.html>. You may also help the ASCE Hawaii Section reduce operating costs by receiving your monthly issue of the Wilki via e-mail, please contact Joanna Seto at 586-4329 or jseto@ascehawaii.org.

ASCE HAWAII SECTION MEETING IN LAS VEGAS

ASCE Hawaii Section and ASCE Southern Nevada Branch have discussed the possibility of a joint meeting in Las Vegas from December 7-9, 2005. In addition to the joint meeting, there would likely be additional meetings and a

field trip. Travel accommodations would be included in the total costs. We would like to find out if enough Hawaii members are interested before we make any commitments. If you are interested, please contact Tony Lau at tlau@hawaiiipacificengineers.com or at 522-7426 by April 30.



2004-2005 YMF OFFICERS

		Phone
President	Paulette Chang Hawaiiymf@yahoo.com	781-1187
Vice-Pres	Scott Jennings sjennings@rci-group.com	845-8440
Secretary	Florence Ching fching@ascehawaii.org	472-1342
Treasurer	Laura Smolinski Smolinskil001@hawaii.rr.com	382-7174
Student Chapter President	Jesse Elliot Elliotj@hawaii.edu	956-5808

Next YMF General Meeting

The next two YMF general meetings are scheduled for Tuesday, April 5, 6:00 p.m., at Murphy's Bar & Grill, 531-0422; and Tuesday, May 3, 6:00 p.m., at Brew Moon Restaurant and Micro Brewery in Ward Center, 593-0088. If you are interested in attending to find out what the YMF is all about and how much fun we have, please call Paulette Chang at 257-6920 ext 231.

YMF April Social Announcement- Barbecue

The YMF will be having a barbeque on Saturday, April 23rd starting at 6:30 p.m. Come join us for some ono food and drinks. If anyone is interested in attending, please contact Lisa Takushi at 531-4252 ext. 14 or at ltakushi@cpi-hawaii.com by April 15th.

YMF February Community Service Projects

By Aaron Kam, Hawaii Section Community Service Project Chair

Hawaiian Humane Society Tuxes & Tails Silent Auction

On Saturday February 5th, The Hawaii Section YMF volunteered for the Hawaiian Humane Society Tuxes and Tails Silent Auction fundraiser at the Monarch Room in the Royal Hawaiian Hotel. Volunteers assisted in manning the silent auction area, sorting winning bids and helping in the distribution of items to their winners at the end of the night. Items available included sunglasses, exclusive dinners and diamond jewelry among other things. The night was full of excitement and in the end the Humane Society had a very successful night.



Mathcounts Competition

On Saturday, February 12th, The Hawaii Section YMF volunteered to assist the event sponsor, Hawaii Society of Professional Engineers Oahu Chapter, with their MATH-COUNTS Competition at Kamehameha Schools. The event involved volunteers correcting tests and tallying scores for the various math competitions. A total of 8 ASCE volunteers helped with the highly successful event.



The ASCE Hawaii Section YMF would like to congratulate Ms. Stacie Kaneshiro who received the Western Region Younger Member Council (WRYMC) Young Government Engineer of the Award at the 2005 WRYMC held in Phoenix, Arizona last month. The WRYMC Young Government Engineer of the Year Award is awarded to an outstanding younger ASCE member under the age of 35 in the western region throughout the states of California, Oregon, Washington, Nevada, Arizona and Hawaii. Congratulations Stacie!

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

WHENCE CAME THE COUNTIES?

Surprisingly, very little publicity has been given so far to the fact that this year (2005), marks the centennial of county governments in Hawai'i.

On April 15 of last year, the "Maui News" (M-N) said that the "Maui County Centennial Hui," headed by Stephanie Ohigashi, planned a yearlong celebration in that county and later reported that a multi-faith service at Kaahumanu Church in Wailuku on March 23, 2005, kicked off the festivities. Following the service, Maui Mayor Alan Arakawa delivered his aptly titled "State of the County Centennial Address" in the county office building across the street from the church.

In the meantime, SB 106, a bill introduced on January 20, 2005, by Maui Senators Shan S. Tsutsui, J. Kalani English and Rosalyn Baker began making its way through the 23rd Hawaii Legislature. The bill's short title was "Making an Appropriation for the Centennial Celebration of Maui County."

As I mentioned in December 2001, Section 56 of the Organic Act of 1900 authorized "that the legislature may create counties and town and city municipalities within the Territory of Hawaii." This provision superseded an earlier federal law that prohibited territories of the U.S. from enacting such laws.

In 1901, the newly formed and powerful pro-

Hawaiian sovereignty Home Rule Party and the fledgling Democratic Party of the territory drafted their respective proposals for the establishment of counties, whereas the plantation-backed Republicans appeared to oppose the idea.

A "county law" (Act 31) passed the legislature in 1903 but it was declared void by the territorial Supreme Court in January of the following year. Case notes provided by the State Legislative Reference Bureau imply that it was struck down for violating a provision "that each law shall embrace but one subject, which shall be expressed in its title." Apparently, the act also covered and its title did not reflect incidental provisions relating to taxation. The ill-fated Act 31 had designated five counties: Oahu, Maui/Molokai/Lanai/Kahoolawe, West Hawaii, East Hawaii and Kauai/Niihau. Oahu, by the way, typically includes "all other islands not specifically enumerated."

A second county law (Act 39) was upheld in June 1905, heralding the legitimate establishment of county governments in the territory, consisting of Hawaii, Maui, Oahu, Kauai and Kalawao. The current charter of the County of Hawai'i states that the provisions of this county act evolved into Title 6 of the Hawaii Revised Statutes (HRS), "County Organization and Administration."

According to the HRS, with the only county officer being the sheriff, "The county of Kalawao shall consist of that portion of the island of Molokai known as Kalaupapa, Kalawao, and Waikolu, and commonly known or designated as the Kalaupapa Settlement, and shall not be or form a portion of the county of Maui, but is constituted a county by itself..." It "shall be under the jurisdiction and control of the department of health and be governed by the laws, and rules relating to the department and the care and treatment of persons affected with Hansen's disease, except as otherwise provided by law." According to U.S. Census data, the 13.21-square-mile county showed a year-2000 population of 147 persons forming 115 households.

The other four counties were ran by elected Boards of Supervisors, the precursors of today's county councils. According to "Maui News," the first chairman of the Maui board was F. William Henning, an engineer from Lahaina.

Honolulu's official government website explains that "the County of Oahu began operating on July 1, 1905, and two years later was renamed the

City and County of Honolulu" and that at that time "a mayor was added to the Board of Supervisors." Chapter 1-22 of the HRS clarifies that "the word 'county' includes the city and county of Honolulu." Obviously, mayoral positions were subsequently established in the other counties (except Kalawao) as well.

The first "order" (that is, ordinance) approved by the Board of Supervisors of the County of Oahu on January 30, 1906 was entitled "Relating to Sidewalks Within the County of Oahu," requiring, among other provisions that "All owners of lands abutting on and adjoining any public street within the County of Oahu... shall, at their own expense, within thirty days after receiving notice from the County Road Supervisor, curb the sidewalks adjacent to the land so owned by them with substantial curbing, to be of good quality lava rock in blocks not less than thirty inches long, six inches thick at the top edge, and sufficiently wide to be held firmly in place by the street pavement or sidewalk..."

Order No. 5 was entitled "Relating to the Registration, Identification, Use and Operation of Motor Cars," whereas Order No. 7 was about "Prohibiting the Operation of Motor Cars on the Tantalus Road."

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). 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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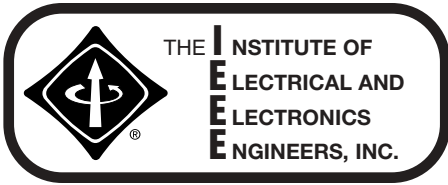
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1. IEEE Hawaii Section General Membership Meeting Jointly held with the IEEE Computer Society Hawaii Chapter

Time: April 13 or 14, Wednesday or Thursday

Location: UHM Campus Center

Purpose: Business card exchange

Jointly Held With: UHM Student IEEE Chapter

They are interested in meeting various engineers in the community. This will be a dinner meeting. You need not be a member to attend. Contact: Please email Alison Lee for more information at all@wiliki.eng.hawaii.edu.

2. IEEE Hawaii Section Professional Workshop

Date: May 7, Saturday, 9am-2:30pm

Location: UHM Holmes Hall, School of Engineering.

Mark Rognstad will lead a morning session on Underwater Robotics for interested members and anyone else in the community.

This session will be on a technical level that all high school math or science teachers could understand. So come to learn something new. We will break for lunch and be continuing with a shorter presentation in the afternoon on a topic in diversity training. Managers today need to be familiar with working with all kinds of people. It saves the company money in the long run to keep discrimination out of the workplace.

For more information, please contact Al Toda, PACE Chair, at 455-1331, or email aet@ieee.org. Also, we need an RSVP if you plan to attend.

3. Hawaii Section Joint Meeting with the

IEEE Hawaii Chapter of Computer Society

May 26, Thursday, Lunch meeting. Speaking will be Dr. Thomas Plum, founder of Plum Hall, Inc, who will be visiting on Oahu. He has won a Hawaii state award to a high tech firm. For more information, contact Nancy Romer, Computer Society Chapter President, at NLRomer@aol.com, or check out <http://plumhall.com>.

Non-IEEE members who attend will be asked to pay a \$2 fee towards the Computer Society Chapter kitty for these meetings.

ORDER OF THE ENGINEER CEREMONY

On February 26, 2005, twenty-five participants were inducted into the Order of Engineer during a ring ceremony held immediately before the Engineers Week Banquet. Edward Hirata (Acting Director of the City Department of Transportation Services) and Walter Billingsley (President-Elect of the Hawaii Section of the American Society of Civil Engineers) presided over the ceremony. Each inductee received a stainless steel ring and certificate.

The ring is placed on the small finger of the working hand so that it will remind us to do our best as an engineer to protect the life, health, and safety of the public. In addition, the ring serves as a symbol to the public that the wearer of the ring is an engineer who has special technical knowledge, and is dedicated to the engineering profession and the public it serves.

For more information on the Order of the Engineer and future dates when the ring ceremony will be held in Hawaii, please visit the following websites: <http://www.hces.us> or <http://www.asce-hawaii.org>.



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Meeting Highlights

The Hawaii Section Meeting was held on February 24, 2005 at Kahala Mall. In recognition of Engineer's Week, the group viewed the engineering displays on exhibit at the mall. Members of the Hawaii Section also participated in the Engineer's Banquet at the Ala Moana Hotel on February 26, 2005. During this ceremony, the ITE exhibit was recognized as the best overall display.

APRIL ITE LUNCH MEETING With ITE DISTRICT PRESIDENT ZAKI MUSTAFA

The April ITE Lunch Meeting is scheduled for Monday April 4, 2005. The speaker for this meeting is Zaki Mustafa, ITE District 6 President. The location has yet to be finalized. Please mark your calendars and stay tuned for more details.



Candidates for the Order of the Engineer recite the Order's oath.



Order of the Engineer Inductee Laverne Higa signs her certification with Westley Chun presiding.



Order of the Engineer Inductee Erik Kaneshiro receives his stainless steel ring from Edward Hirata.



Order of the Engineer Inductee Fred Kobashikawa signs his certification with Westley Chun presiding.



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Introduction to Structural Fire Protection

August 5, 2005
Fort Shafter Golf clubhouse
Pricing to be determined.

This seminar provides an overview of the rules and guidelines that can be used to assess the fire resistance of building assemblies composed of steel, concrete, masonry and wood. In addition, the seminar outlines methods of performance-based analyses to determine the fire resistance of exposed structural assemblies.

These include methods to estimate the temperature of steel members exposed to fire, and to calculate the structural response of concrete slabs and steel columns. The availability of computer-based methods to conduct performance-base analysis will be discussed. This seminar is valuable to code officials, architects and engineers who need to assess or understand assessments of the fire resistance of buildings assemblies.

Hawaii House Bill 1448 is a piece of legislation offering tax incentives for those existing high-rise apartments and condominiums that choose to retrofit automatic sprinkler systems and other life safety systems. The Honolulu Fire Department has asked that interested persons review the proposed Hawaii House Bill HB 1448, SD 2, which has crossed-over to the Senate & is in Senator Brian Taniguchi's Ways & Means Committee, to phone their Senator and ask for support. See www.sfpehawaii.org for a copy of the bill.



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UH College of Engineering Annual Banquet to be held on Wednesday, April 27, 2005, at the Hilton Hawaiian Village, Coral Ballroom, 5:30 p.m. - no-host cocktails and exhibits, 6:30 p.m. - dinner and program. The theme for this banquet is: "Defense and Economic Health in Hawaii." Cost: \$150 per person, tables of 10 cost: \$1,500.00, \$3,000.00, \$5,000.00 or \$10,000.00 (portion of dinner cost is earmarked as a donation). Send check with names of attendees to: College of Engineering Annual Banquet, 2540 Dole Street, Holmes 240, Honolulu, HI 96822. For more information, please email fay@eng.hawaii.edu.



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2005 EAAUH Golf Tournament: Volunteers are needed for the 2005 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.

LTAP, from page 3

spective; gave whole picture," "great audience mix of agency, A/E & contractors" and "DB is flexible so different viewpoints are very instructive." Their many suggestions will be considered in organizing future activities.

For upcoming HLTAP events, please check www.eng.hawaii.edu/~hltap/, and for additional information, please contact Juli Kobayashi at juli@eng.hawaii.edu. For information on the College of Engineering, please contact Song K. Choi at schoi@hawaii.edu.

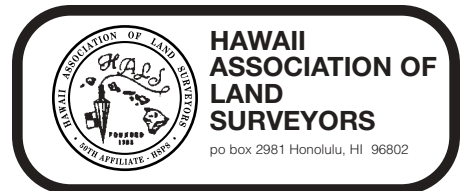
SAME, from page 6

New Business:

- 4-7 Oct SAME Regional Conference in Portland
- Golf Tournament on 10 May at Mamala Bay to support our scholarship fund
 - Need corporate sponsors (Contact Dana Voight, 449-8088)

SEAOH, from page 9

- Masonry & Concrete Expo of the Pacific
June 2005: Qrtly Meeting
July 21, 2005: Seminar Meeting - ASCE/SEAOH Joint Meeting
August 18, 2005: Golf - Annual Steve Fong Golf Tournament (Pearl Country Club)
October 20-22, 2005: Convention - CCPI/SEAOH Convention
October 27-29, 2005: Convention - NCSEA Annual Convention, Kansas City, MO
November 25, 2005: Golf - SEAOH Golf Tournament



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