

2004 CONCRETE ACHIEVEMENT WINNERS

Hawaiian Cement was proud to present its 2004 winners of Concrete Achievement at a festive Awards Dinner held at the Kahala Mandarin Oriental Hawaii on November 19, 2004. This year's contest marked the 14th year anniversary in recognizing the construction industry leaders for the utilization of concrete and concrete products. Personally engraved crystal plaque awards were given to each member of the project's building team...which included the owner, the architect, the structural engineer, the developer and the contractor.

The jury had its hands full in actually visiting the various projects, statewide, for judging purposes. Members of this year's elite jury were:

Building Industry Association of Hawaii

MR. JOHN CHEUNG, C C Engineering & Construction, Inc.

MR. RODNEY YAMAMOTO, Kokea Construction & Consultants, Inc.

General Contractors Association of Hawaii

MR. RODNEY NOHARA, Jayar Construction

Hawaii State Council/AIA

MR. ROB HALE, Architects Hawaii, Ltd.

MR. DEREK TSUNEHIRO, Architects Hawaii, Ltd.

Structural Engineers Association of Hawaii

MR. RANDY CHU, RC Engineering

MS. BEVERLY ISHII-NAKAYAMA, Shigemura Lau Sakonashi, Higuchi & Associates, Inc.

University of Hawaii School of Architecture

ASSOCIATE PROFESSOR DAVID ROCKWOOD

University of Hawaii College of Engineering

DR. GREGOR FISCHER, MS. CORI-ANN GUM

Hawaiian Cement proudly presents the following 2004 Concrete Achievement winners:

JUDGES AWARD

Hana Highway Replacement of Uaoa Bridge & Approaches (Maui)

Owner/Developer: State of Hawaii, Department of Transportation

Architect: State of Hawaii, Department of Transportation

Structural Engineer: Nishimura, Katayama & Oki, Inc.

General Contractor: Dick Pacific Construction Co., Ltd.

NEW CONCRETE PAVING AWARD – CATEGORY A

Pier 1C Extension, Kahului Harbor (Maui)

Owner: State of Hawaii, Department of Transportation

Engineer: KAI Hawaii, Inc.

General/Paving Contractor: Hawaiian Dredging Construction Company

NEW CONCRETE PAVING AWARD – CATEGORY B

Koko Head Regional Park Hanauma Bay Nature Preserve, Parts A & B (Oahu)

Owner: City & County of Honolulu

Engineer: Engineering Concepts, Inc.

General/Paving Contractor: T. Iida Contracting, Ltd.

CONCRETE STRUCTURE BUILT BEFORE 1940 AND STILL IN USE AWARD

Shangri La (Oahu)

Owner: Doris Duke Foundation for Islamic Art

Architect: Wyeth and King

General Contractor: Hawaiian Contracting Company

NEW LOW-RISE BUILDING AWARD

Sandy and Mike Hartley Math-Science Technology Complex

Mid-Pacific Institute (Oahu)

Owner: Mid-Pacific Institute

Architect: John Hara Associates, Inc.

Structural Engineer: The Englekirk Companies

Consulting Structural Engineers

General Contractor: Albert C. Kobayashi, Inc.

NEW SINGLE-FAMILY RESIDENCE AWARD

Collins Residence (Hawaii)

Owner: Ernest and Susan Collins

Architect: Hamlet Charles Bennett, Architect

Structural Engineer: Ray W. Keuning,

Structural Engineer

General Contractor: Queen Construction & Masonry, Inc.

NEW PRIVATE BUILDING AWARD

The Westin Kaanapali Ocean Resort Villas

Phase I (Maui)

Owner/Developer: SVO Pacific, Inc.

Architect: Design Partners Incorporated

Structural Engineer: Sato & Associates, Inc.

General Contractor: Hawaiian Dredging Construction Company

NEW PUBLIC BUILDING AWARD

MCON Project P-593 Regional BEQ (Oahu)

Owner/Developer: Naval Station, Pearl Harbor

Architect: RIM Architects

Structural Engineer: Baldrige & Associates

Structural Engineering, Inc.

General Contractor: Dick Pacific Construction Co., Ltd.

REMODELED/ADDITION BUILDING AWARD

University of Hawaii at Manoa Hawaii Hall

Renovation (Oahu)

Owner: State of Hawaii Department of

Accounting & General Services

Architect: Architects Hawaii, Ltd.

Structural Engineer: KAI Hawaii, Inc.

General Contractor: Nordic Construction, Ltd.

NEW LANDSCAPING PROJECT WITH CONCRETE PRODUCTS AWARD

Polynesian Cultural Center Hale Aloha Alii

Luuu (Oahu)

Owner: Polynesian Cultural Center

Architect: Belt Collins Hawaii Ltd.

Designer: Kotaro Koizumi

General Contractor: Arita-Poulson General Contracting LLC

See artist renderings of the winning projects on page 7.



UNIVERSITY OF HAWAII

College of Engineering

2540 Dole Street, Holmes Hall
Honolulu, Hawaii 96822

COLLEGE DEANS AND CHAIRS

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Associate Dean	S. Choi
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ME Chair	Bruce Liebert
HCAC Director	Magdy Iskander

UH College of Engineering Expo 2005

provides a hands-on opportunity for high school students to participate in seven engineering games. Students will utilize teamwork, communication, and creativity to be successful. Last year's event brought together about 550 high school students from around the state of Hawaii. This year's event games include: Battle Bots; Bottle Rocket; Egg Drop; Model Paper Column; Rubber Band Racers; I See, You Create; and Motor Building. Engineering Expo 2005 will be held on Friday, January 28, 2005 from 9:00 a.m. until 1:00 p.m. at the College of Engineering at the University of Hawaii Manoa campus. Anyone interested in participating, assisting, or just observing should contact Ms. Laura Shimabukuro at laura@eng.hawaii.edu or call 956-7727.



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Additions and/or corrections should indicate the proper society, institution or association.

LAVERNE HIGA

Dept. of Design and Construction

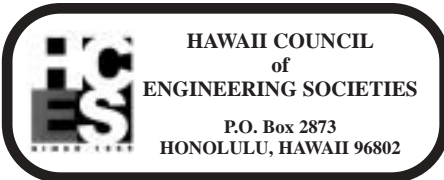
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**HAWAII COUNCIL
of
ENGINEERING SOCIETIES**

P.O. Box 2873
HONOLULU, HAWAII 96802

HOME PAGE: <http://hces.us>

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**2005 ENGINEER OF THE YEAR AND
YOUNG ENGINEER OF THE YEAR AWARDS**

In conjunction with the activities of Engineers' Week 2005, the Hawaii Society of Professional Engineers (HSPE) is soliciting nominations for the Hawaii Engineer of the Year and the Hawaii Young Engineer of the Year Awards. HSPE will evaluate candidates for both awards. The selected engineer(s) will be announced at the 2004 Engineers Week Banquet. Completed nomination forms and letters of support must be received no later than *Friday, December 17, 2004* at the following address (*electronic submittals only*):

Hawaii Society of Professional Engineers

c/o Manny Lanuevo
manny.lanuevo@hawaii.gov
Phone: (808) 838-8804

Each candidate shall be nominated on the following basis:

Candidate for Engineer of the Year (Nomination Form not to Exceed 8 Pages)

1. Shall be current practicing Licensed Professional Engineer in the State of Hawaii;
2. Shall be current State of Hawaii resident;
3. Need not be a member of HSPE or any other society; and
4. Shall not be a State Officer or Director for HSPE.

Candidate for Young Engineer of the Year (Nomination Form not to Exceed 6 Pages)

1. Shall be 35 years of age or less as of Jan. 1, 2005;
2. Shall be a current practicing Licensed Professional Engineer in the State of Hawaii;
3. Shall be a current State of Hawaii resident;
4. Need not be a member of HSPE or other society; and
5. Shall not be a State Officer or Director of HSPE.

Electronic files of the respective nomination forms are available for your use – contact Manny Lanuevo at manny.lanuevo@hawaii.gov

Criteria for Selection of Young Engineer & Engineer of the Year Awards

1. 30% Technical Accomplishment
(Technical Awards, Papers & Presentations, Major Projects, etc.)
2. 35% Professional History & Contributions
(Positions Held, Professional Affiliations, Special Contributions to Profession & Special Recognition, etc.)
3. 20% Civic & Community Contributions
(Affiliations, Position Held, Special Recognition, etc.)
4. 15% Recommendation(s)
(Why the individual is nominated)
No more than 3 letters of support per candidate with maximum 2 page limit per letter.

Nominations for HCES Lifetime Achievement Award

Nominations are now open for the HCES Lifetime Achievement Award which recognizes the lifetime achievements of retired engineers. This annual recognition is given to an individual who has contributed significantly to the development of engineering in the State of Hawaii and who has made a noteworthy impact on the local engineering community.

The following criteria shall be applied when nominating a candidate who:

- Must be affiliated with an HCES member society as an active member;
- Must have lived and worked in Hawaii as an engineer/manager for at least 15 years;
- Should be 55 years or older at time of nomination;
- Must have taken retirement from public or private sector of employment; however, could be continuing employment or consultancy or other work after effective retirement;
- For entrepreneur who started his/her own company, the nominee should have actively handed over control of the company to a successor but could be in a position of involvement with the company;
- Has been retired for not more than four years;
- Posthumous awards may be made provided the nominee was an active of an HCES member society at the time of his/her passing away and and fulfilled all the required criteria above.

The following criteria shall apply to the method of nomination:

- Any person belonging to any HCES member organization may nominate a candidate;
- Nomination must be accompanied by a citation that effectively highlights the engineers contributions with special emphasis on contributions to Hawaii;
- Include resume of candidate;
- Nominations must be received no later than December 17, 2004.
- Nomination package should be limited to 10 pages (letter size) and addressed to :

HCES Chairperson, Tony Lau
c/o HCES Lifetime Achievement Award
P.O. Box 2873
Honolulu, HI 96802

Just to be nominated is already a worthy recognition. Please take the time and effort to nominate that much appreciated individual. For any questions, please contact Wayne Kawano at 848-7100 or email wkawano@ccpihawaii.org. Thank you & Mahalo!

KNOW YOUR ASCE HISTORY

by C.S. Papacostas

Last month's chronicle had the two cement plants on O'ahu, Cyprus Hawaiian and Kaiser Cement & Gypsum, converting fuel from petroleum to coal. The "Minerals Yearbook" for 1980 indicated that both plants imported their coal from the Newcastle District, NSW, Australia.

Coal, by the way, has had a very long history in Hawaii. For example, a major early (1870s) reason for America's coveting of Hawaii was to use it as a coaling station for the Navy! And the California Wreck Divers website (www.cawreckdivers.org) comments that "In 1898, the 'Star of France' was sold to the Puget Sound Commercial Company under the managing ownership of J.J. Moore and registered under Hawaii. Over twenty other ships were similarly registered to Hawaii—all with hopes of obtaining American registry when the Hawaiian Islands became part of the United States. In 1900, the 'Star of France' became an American vessel, having been specifically named in the Organic Act of 1900, which made Hawaii a US territory. Soon the France was moved to Port Townsend, Washington, regularly carried lumber between Puget Sound and Australia, returning to Hawaii with a cargo of Newcastle coal."

The Star-Bulletin (S-B) reported on January 15, 1981 that the conversion to coal resulted in cost savings to both companies, reducing air pollution emissions to boot, because "the kiln performs the same function as a scrubber for an electric utility. The sulfur and ash are absorbed in the cement."

On October 6, 1981, the Honolulu Advertiser (HA) ran the headline "Cyprus Hawaiian Cement up for sale." The reason for this turn of events was not financial distress, however. It so happened that in 1979 Standard Oil Co. of Indiana took over Cyprus Mines Corp. of Los Angeles, the parent of the O'ahu-based cement company that had already bought out Alexander & Baldwin's 7% ownership in the company. Having no other interests in the cement business, Standard decided to divest.

By June 1982, both cement companies faced a severe construction slump but, revealing optimism toward the future, the now renamed Kaiser Cement Corp. purchased the barge "Punapau" or "finished coral."

Cyprus Hawaiian, on the other hand, found a buyer a month later in Lone Star Industries Inc. of Greenwich, Connecticut, then the largest U. S. cement producer. Through Hawaii subsidiaries, Lone Star had been active in construction material (but not cement) supply since 1969 and real-estate development thereafter. Cyprus Hawaiian thus became the "Lone Star Hawaii Cement Corp." The business slump continued into 1983, adversely affecting not only the cement producers but also ready-mix concrete and construction materials suppliers such as Ameron HC&D, Pacific Concrete & Rock Co. (PC&R) and Lone Star's own Hawaii Rock Products.

Ameron HC&D's (now known as Ameron Hawaii) initial Hawaii presence was a joint venture in 1960 between the American Pipe and Construction Co. of Los Angeles and a Hawaii firm, the Honolulu Construction and Draying Co. that had been established by several Honolulu-based businessmen in 1908 on Queen Street near Fort. The joint venture, originally named the American Concrete Pipe of Hawaii, sold the pressure pipe used in sewer projects throughout Honolulu. HC&D started out with horse and mule-drawn drays, entered



Engineer's Week 2005 CALL FOR EXHIBITS

by the Hawaii Council of Engineering Societies



Your company/organization is encouraged to create a display that will increase public awareness and appreciation of the engineering profession. In the past, displays have included posters, 3-D models, and interactive systems.

- Exhibits will be displayed at Kahala Mall Shopping Center
- Exhibition period will occur from Monday, February 21, 2005 through Sunday, February 27, 2005
- Entries will be judged on presentation, technical merit and promotion of the engineering profession
- An award will be presented for each of the above categories at the Engineer's Week banquet on Saturday, February 26, 2005.

The deadline for completing the information in this form is January 21, 2005.

Fax or E-mail completed form to Cheryl Yoshida at 945-7213 or cyoshida@ch2m.com

Name of Company/Organization: _____

Contact Person: _____

Phone No.: _____ Fax No.: _____ E-mail: _____

Representative at Banquet (February 26th) _____

(Dinner Fee Required)

Please attach a one to two paragraph summary describing your display (size and content). Also, indicate any special needs that your display may require (i.e. table, electricity). You will be contacted to confirm the availability of the requested items.

Tentative Schedule for Set-up is Monday (2/21) before 10 am, and Dismantle Sunday (2/27) after 5 pm or Monday (2/28) before 10 am.

the concrete business in 1918 and took lease on the Kapa'a Quarry in Kailua, O'ahu from Campbell Estate in 1949. It changed its name to HC&D, Ltd officially in 1963. Its mainland partner was renamed Ameron c.1982, hence, Ameron HC&D.

Charging that the two cement companies lacked competition in setting prices, the new President of Ameron HC&D, Thomas Bastis, announced a "prototype program" of importing cement from Korea via a West Coast broker. The company, however, would continue to obtain 30% of its cement locally to meet the "Buy America" requirements of federally funded projects such as highways and airports.

The two cement companies responded that the imported cement would constitute "dumping" that would violate U.S.

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Federal Bureau of Investigation

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- ✦ 2-3 years strong professional/investigative/managerial work experience desired
- ✦ 23-36 years of age
- ✦ Drug policy/drug testing mandatory
- ✦ Entry-level salary (GS-10) is \$45,735 Academy training; \$56,240 - \$61,045 upon graduation, including locality/availability pay



FBI Special Agents

AMERICA'S FINEST



The 2005 University of Hawaii Human Powered Vehicle and Mini Baja Projects

The Human Powered Vehicle (HPV) and Mini Baja projects are a part of a year-long University of Hawaii (UH) Department of Mechanical Engineering senior design projects, ME 481 and ME 482. These courses are taught alternatively by Prof. Nejhad and Professor Knapp, annually. Prof. Nejhad is the primary advisor for HPV and Prof. Knapp is the primary advisor for the Mini Baja. This year, Prof. Nejhad is the instructor of ME 481 (Fall 2004) and ME 482 (Spring 2005), where both HPV and Mini Baja teams are participating.

The 2005 UH HPV

The Human Powered Vehicle Challenge (HPVC) is a competition that is hosted annually by the American Society of Mechanical Engineers (ASME) International. The purpose of the competition is to address all areas of engineering problem solving, while incorporating elegance and ingenuity into the design.

The University of Hawaii mechanical engineering students will design and build a lightweight aerodynamic land vehicle and compete in the 2005 HPV competition to be held April 29 – May 1, 2005, at California State University, Fresno, CA.

The competition will be judged on three categories with 100 points. First is the design competition, which consists of a technical report and an oral presentation in which the design, analysis, manufacturing, and testing of the HPV are discussed, and has 40 points. The second category is the sprint competition. The sprint competition is a straightaway course that is timed for 100 meters, which is preceded by a 300-400 meter running start. This course will include a male as well as a female rider, and will demonstrate the advantages of the HPV's aerodynamic fairing as well as its efficiency to achieve high speeds. This section has 30 points. The third leg of the competition is the endurance race. This is a 65 km race that will take place over a paved course with turns in both directions. The endurance race will include a minimum of three riders with the first one being a female. The endurance race will demonstrate the robustness of the vehicle as well as the rider's skill and stamina. This section has 30 points.

The University of Hawaii has been participating in the HPVC since 1995. Since then, UH has won the national championship twice – 1995 and 1997. This year design team will continue to use its ultra lightweight carbon fiber prepreg material for the design of a new frame. We will also focus our efforts on a new fairing design. UH teams have continually been producing one of the lightest frames in the competition, but have not changed their fairing design since the 1997 championship team. The UH fairings have excellent aerodynamic advantages but the average weight of our fairings is 26 lbs. Figure 1 shows the 2004 UH Human Powered Vehicle during the competition. The competitions have advanced their technology while UH has stayed with the same fairing. Therefore, this year's team is working hard in their senior design class to come up with solutions for a fairing that has the optimal balance between aerodynamics and weight. The team members believe that they have found this balance by implementing a partial fairing design, which will decrease the weight by 20 lbs while keeping the primary aerodynamic benefits. With this new design innovation, the UH HPV team is confident that they are only a small step away to winning it all, again.

In order to make this all a reality for the UH design team, \$14,000 needs to be raised to cover all costs which include the frame, fairing, shipping of vehicle, and travel expenses for team members. The team members are students from the senior design classes (ME 481/ME 482) as well as former HPV team members and interested underclassmen. By your donations, please help us bring the National Championship back to Hawaii.

The 2005 UH HPV team members are: Blake Sato, Michael Jose, Armand Bacilig, Ryan Lyum, Jason Baguio, Clifton Yasutomi, Chris Kinoshita, Jasen Kaya, C. J. Mun, Naomi Ogawa, Randy Sakagawa, Mike Parker, and David Narahara.



Figure 1. The University of Hawaii HPV

The 2005 UH Mini Baja

Mechanical Engineering students at the University of Hawaii at Manoa have been competing in the nationally recognized engineering competition in 2002 and 2004 and plan to compete this coming year as well. The competition is called the Mini Baja (pronounced 'baha') intercollegiate series. This competition has been organized by the Society of Automotive Engineers for the past 30 years and sponsored by Briggs and Stratton by providing the 10 horsepower four-stroke internal combustion engine for the past 20 years.

The Mini Baja is an intercollegiate engineering design competition for undergraduate and graduate students. The objective of the competition is to simulate real-world engineering design projects and their related challenges. Each team is competing to have its design of all terrain vehicle accepted for manufacture by a fictitious firm. The students must function as a team to design, analyze, build, test, and promote a vehicle and compete within the limits of the rules. Teams must also generate financial support for their project and manage their educational priorities along the way.

The 2005 competition will be held June 1-4, 2005 at the Caterpillar Training Grounds in Tinaja Hills, Arizona. The events at the competition will be divided into two major events, i.e., static and dynamic. The total score for the competition will be 1000 points with the static events scored out of 300 points and the dynamic events scored out of 700 points. The static events are the written engineering design report (50 points); evaluation of prototype based on eight factors such as originality or innovation, suspension and brake system, power train, structural design, craftsmanship, operator comfort, feasibility for mass production, and serviceability (100 points); cost report that includes subsection cost reports and a documentation section (10 points); production cost report (40 points); and the oral presenta-

tion (100 points). The dynamic events are the acceleration event (100 points), traction event that could be a hill climb or tractor pull (100 points), maneuverability (50 points), rock crawl event (50 points), and the 100-mile endurance race (400 points).

The Mini Baja team is comprised of mostly Mechanical Engineering seniors, who are currently taking the senior design courses (ME 481/ME 482), but also include former Mini Baja team members and interested underclassmen. Seniors have the opportunity to learn the design process as well as earn credits toward their degree. The senior students are in charge of the design of the frame, suspension, transmission, steering and braking systems. The underclassmen and others are involved with the design process as well as giving their feedback on design options suggested by the seniors. This gives the underclassmen a great advantage over the rest of the student body by interacting with upperclassmen and being able to apply engineering theory to real world situations. Manufacturing of the Mini Baja is a joint effort by the entire team and because of the time constraints shifts need to be made in order to balance the extracurricular work with normal course work.

With this year competition being held in Arizona, students will need to raise funds in order to take a support team and ship the vehicle by air/sea and then by land. The students have made efforts to raise funds needed for travel by holding events such as "Pizza Hut's Pizza Night", Nova Distributions toilet paper sales, Little Nancy's minipuas, Paradise Yellow Pages phonebook distribution, and a Bedroq Bar & Grill fundraiser night. Additional efforts will also be made such as a Stan Sheriff concession stand project, a joint Gordon Biersch "Party at the Pier", etc. However, the students realize that these efforts will still fall short of their goal of \$25,000. Hence, they desperately need your support and donations.



Figure 2. The 2005 Mini Baja Team

The 2005 UH Mini Baja team members shown in Figure 2, left to right, are: Robin Ferguson, Glenda Grande, Michael Bicoy, Zensho Heshiki, Elton Tom, Kevin Ohira, Jesmond Toilolo, Ryan Meyer, Scott Lee, David Katsuda, and Sara Fong. Other team members, not shown in the figure, are: Felipe Madamba III, Mike Hong, Jaren Kunishige, Bryan Eberly, and Suart Akagi.

The 2005 UH HPV and Mini Baja Donations

The UH College of Engineering uses the HPV and Mini Baja vehicles as not only a senior design project, but also as a means to showcase the developments and achievements of UH engineering students to visiting business representatives. Past HPV and Mini Baja projects have also been shown to high school stu-

(continued on page 6)

WANTED: VOLUNTEERS, JUDGES AND REFEREES FOR THE FIRST LEGO LEAGUE LOCAL EVENT AT MID-PACIFIC

Date: January 29, 2005

Please contact Kevin Dang at 737-1708 or dangk001@hawaii.rr.com.

What is FIRST Lego League?

An international program for children ages 9-14 (9-16 in Europe) that combines a hands-on, interactive robotics program with a sports-like atmosphere. Teams consist of up to 10 players with the focus on such things as team building, problem solving, creativity, and analytical thinking.

Each September, a new Challenge is unveiled to FIRST LEGO League International (FLL International) teams across the world. Over the course of 8 weeks, they strategize, design, build, program, test and refine a fully autonomous robot capable of completing the various missions of the FLL International "Robot Game" Using the LEGO MINDSTORMS(tm) technology. They also search the web, talk to scientists, visit the library and develop compelling presentations based on the FLL International "Research Assignment", which relates to a problem or opportunity facing the world today.

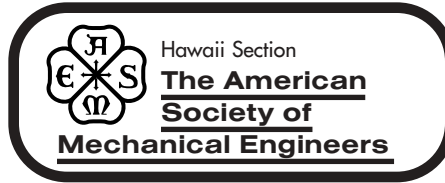
When children build and experiment, they live the entire process of creating ideas, solving problems, and overcoming obstacles. The FLL International program meets children where they are and helps to shape a positive perception of science and technology. We believe that children's natural curiosity and creativity are critical qualities to envisioning possibilities and developing innovative solutions to challenging technology problems and opportunities. We therefore strive to strengthen their inherent motivation to learn in new ways.

What is our Mission?

The mission of the FLL International program is to provide an inspirational learning experience for children celebrating science and technology, by combining educational context with hands-on challenges that empower children to create their own theories and solutions.

FLL believes that children's natural curiosity, imagination, and creativity are critical qualities to envisioning possibilities and solutions. By encouraging children to explore and develop these qualities in a progressive and positive activity - such as the FLL program - children learn, at their individual level and pace, and achieve a positive perception of science and technology and how these fields relate to their future.

Dean Kamen, founder of FIRST, commented on the concept of the FLL program as - "We need to show kids that it's more fun to design and create a video game than to play one." Mentored by adults and in some cases, their high school counterparts, FLL participants have the opportunity to explore scientific principles and practices while working with a positive role model.



Website: www.sections.asme.org/hawaii

ASME-HI 2004-2005 Officers

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HCES Rep	James Grogan	254-2947

HAWAII SECTION GENERAL MEETING

Date: Tuesday, December 7, 2004

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

Place: Hawaiian Electric Company, Inc. Ward Avenue Cafeteria

Program: Continue planning for ASME's 125th Anniversary. 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.

HIGHLIGHTS OF ASME 125TH ANNIVERSARY PROGRAMMING MEETING

The ASME Hawaii section held its first meeting to discuss next year's 125th Anniversary Programming activities at the HECO Ward

Avenue cafeteria meeting rooms on Tuesday, November 9th, 2004. The response to the call of volunteers for program speakers and event planners was great as many current members and friends of the ASME Hawaii section attended. The section would like to thank the following members and guests for their attendance and volunteering for the 125th anniversary celebration:

Michael Watson, P.E. – Michael Watson is the President of Dream Cruises Hawaii and will be sponsoring a Whale Watching Tour for the ASME Hawaii section as well as other engineering societies interested in participating. The whale-watching season is from mid-January thru mid-March. The tour will be scheduled in Saturday, March 5, 2005 with announcements sent out early January of 2005. For more information about Dream Cruises Hawaii, please visit www.dream-cruises.com.

Steve M. Masutani, P.E., Ph.D. – Dr. Masutani is currently an Associate Researcher at the Hawaii Natural Energy Institute (HNEI), School of Ocean and Earth Science and Technology at the University of Hawaii at Manoa. His research work involves Methane Hydrates, which represents an enormous untapped energy source found in high-pressure, moderate-temperature regimes in ocean sediments and low-temperature Arctic permafrost zones. Dr. Masutani has graciously volunteered his time to give a presentation to the section membership sometime in March of 2005 with announcements sent out via email in February.

(continued on page 8)



The Society of American Military Engineers, Honolulu Post

Invites you to join us for the

2005 ENGINEER'S WEEK KICK-OFF LUNCHEON

Presentation: University of Hawaii Civil Engineering Research Park

Speakers: Dr. Wai-Fah Chen, Dean College of Engineering, University of Hawaii
H. Ronald Riggs, Professor of Civil Engineering, University of Hawaii
Ian Robertson, Professor of Civil Engineering, University of Hawaii

Hale Koa Hotel, Banyan Tree Showroom
Tuesday, February 22, 2005 at 11:30 AM
Luncheon Cost: \$24.00 (Student Cost: \$19.00)

(Public parking available at Ft. DeRussy)

RSVP BY 15 FEBRUARY 2005.

SEND THIS FORM AND PAYMENT TO:

Society of American Military Engineers, Honolulu Post
c/o Warren Hall
EA Engineering, Science, and Technology
1221 Kapiolani Blvd. Suite 1030
Honolulu, HI 96814

(Make checks payable to Society of American Military Engineers)

Name: _____

Organization: _____

Address: _____

Phone: _____ Number in Party: _____

Receipt required: Yes _____ No: _____ LUNCH: Warrior Buffet



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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

ITE Hawaii October Meeting Highlights

The Hawaii Section Meeting was held on October 21, 2004 at R.M. Towill Corporation.

President Wayne Yoshioka introduced the featured speaker, Dr. Panos Prevedourous. Dr. Prevedourous is a professor at the University of Hawaii and has been studying and modeling Oahu's traffic. Dr. Prevedourous's presentation was titled Improving Commuting on Oahu: Suggestions for Freeways, Arterials, and Public Transit. Dr. Prevedourous began with some background on the topic of congestion. He stated that congestion is a result of road user demand outpacing roadway supply. Dr. Prevedourous cited longer life expectancy and

multiple jobs as sources of increased road use or demand. He identified long time frames to implement capital improvements as a source limiting supply. Dr. Prevedourous then introduced the provocative idea that congestion is okay. He contended that congestion indicates use, protects the urban core, and is self-limiting.

Dr. Prevedourous offered some immediate actions that could alleviate congestion at various locations in Hawaii. He cited adding an additional lane on the H-1 freeway under Kalihi Street, contra-flowing Dillingham, closing Lunalilo on-ramp during peak traffic, creating an afternoon/evening zipper lane to Central and Leeward Oahu, shifting the start times of large schools, and increasing the use of the 4-10 work week as "quick" fixes.

Dr. Prevedourous also spoke about larger solutions such as the use of rail. He highlighted guideway buses. Dr. Prevedourous explained such buses are used in Germany and easily convert from guideway systems to streets. He also presented the idea of urban grade separations at congested intersections such as Kapiolani/Kalakaua and Vineyard/Punchbowl. He also touched on the idea of paying a toll to use a designated lane during peak travel times.

Dr. Prevedourous closed by stating that people will continue to seek ways to maintain private transportation. People value the flexibility and convenience that private transportation allows. Thus other congestion management solutions are being developed such as smart cars, smaller cars, car sharing, and increasing

urban density in the core of Honolulu.

December Meeting Announcement

The December Section meeting date, location and speaker will be announced at a later date. A meeting notice will be issued.

UH HPV/MB (continued from page 4)

dents at the annual college Open Houses in hopes of encouraging the high school students to pursue a degree in engineering, and we have seen success in this approach.

If you or your company would like to support these UH Mechanical Engineering students please make checks payable to the "UH Foundation/Engineering" and attach a memo stating for either "HPV", or "Mini Baja", or both "HPV and Mini Baja", and address it to:

Professor Mehrdad Ghasemi Nejjad
 Department of Mechanical Engineering
 University of Hawaii at Manoa
 2540 Dole Street, Holmes Hall 302
 Honolulu Hawaii, 96822

If your company would like to donate materials or would like a brief presentation please contact Blake Sato for HPV, David S. Katsuda for Mini Baja, or Professor Mehrdad Ghasemi Nejjad via e-mail at blakes@hawaii.edu, dkatsuda@hawaii.edu, or nejjad@wiliki.eng.hawaii.edu, respectively. Donations are tax deductible.



http://www.geocities.com/hals_us

Officers for 2004

President	Kevin Kea
Vice-President	Erik Kaneshiro
Secretary	Dennis Chong
Treasurer	Stacey Kimura
Director	David Hatchell
Director	Joanne Williamson
NSPS Governor	Pat Cummins
Past President	Layton Nakao

2005 Annual Hawaii Surveying Conference

Presented By

THE
 HAWAII ASSOCIATION
 OF
 LAND SURVEYORS

Thursday & Friday, February 3 & 4, 2005
 Radisson Waikiki Prince Kuhio Hotel
 2500 Kuhio Avenue
 Honolulu, Hawaii

VENDORS DAY

Wednesday, February 2, 2005
 Ewa of McCoy Pavilion
 Ala Moana Regional Park
 Honolulu, Hawaii
 12:00 Noon-5:30 P.M.

ANNUAL BANQUET

Thursday, February 3, 2005
 Radisson Waikiki Prince Kuhio Hotel
 Prince Edward Room
 6:00 P.M.

Featured Presentations on Hawaiian Land Matters, Quiet Title Actions, Expert Court Testimony, Computer Programs for the Surveying Profession, Special Problem Solving, GPS, GIS, and Much More
 Visit us at www.eng.hawaii.edu/~hals



2005 Engineers Week Banquet

Saturday, February 26, 2005
Ala Moana Hotel – Hibiscus Ballroom I
410 Atkinson Drive, Honolulu, Hawaii

- 5:00 p.m. Order of the Engineer Ceremony (Optional – See Separate Announcement)
- 5:30 p.m. Cocktails
- 6:30 p.m. Dinner
- 7:15 p.m. Program:

Presentation of Engineers Week Exhibit Awards.
 Presentation of Engineer of the Year, Young Engineer of the Year, HCES Lifetime Achievement and Student Engineer of the Year Awards.
 Guest Speaker – Mr. Bob Sigall, author of "The Companies We Keep"
 Installation of 2005 HCES officers

Please reserve ____ table(s) of 10 persons or ____ individual seats for the 2005 Engineers Week Banquet. Rates are \$35 for registration(s) postmarked on or before February 16, 2005, \$40 for registration(s) postmarked after February 16 and \$25 for students. Please type or print names and contact information for attendees.

	Name	Company or Organization	Phone Number
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____
6.	_____	_____	_____
7.	_____	_____	_____
8.	_____	_____	_____
9.	_____	_____	_____
10.	_____	_____	_____

Total enclosed: \$ _____

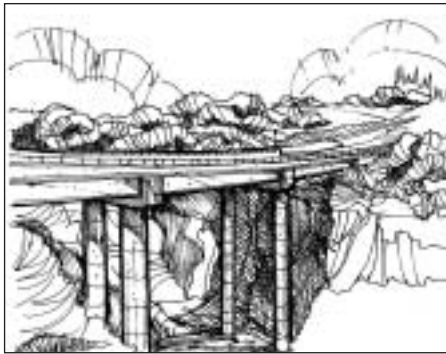
Make checks payable to "HCES" and mail with completed reservation form to:
 2005 Engineers Week Banquet
 c/o Erik Kaneshiro, HCES Treasurer
 Austin Tsutsumi & Associates, Inc.
 501 Sumner Street, Suite 521
 Honolulu, HI 96817

If you have any questions, please contact HCES Chair Tony Lau at 522-7426 or tlau@hawaii-pacificengineers.com or HCES Vice Chair Westley Chun at 488-0477 or wkcchun@engrsol.com

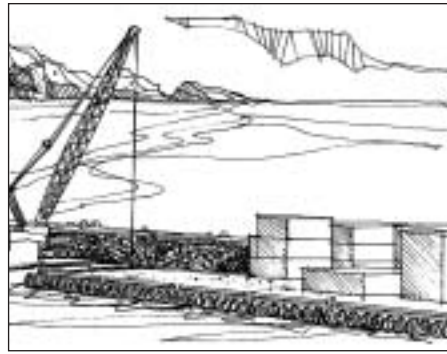
CONCRETE ACHIEVEMENTS 2004



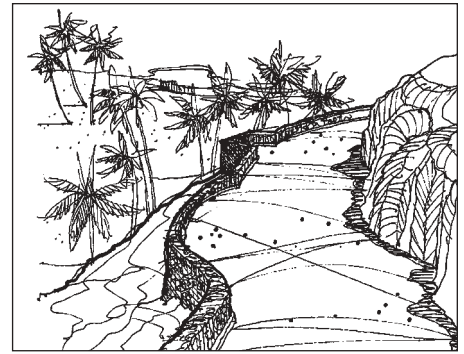
HAWAIIAN CEMENT



*Hana Highway Replacement of Uaoa
Bridge & Approaches (Maui)*



Pier 1C Extension, Kahului Harbor (Maui)



*Koko Head Regional Park Hanauma Bay
Nature Preserve, Parts A & B (Oahu)*



*Sandy and Mike Hartley
Math-Science Technology Complex
Mid-Pacific Institute (Oahu)*



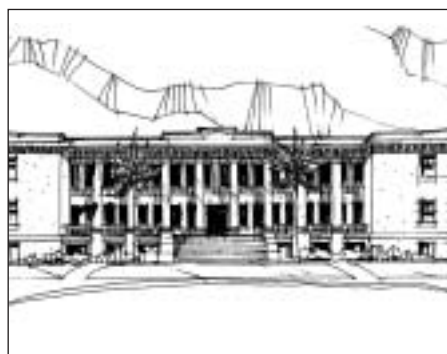
Collins Residence (Hawaii)



*The Westin Kaanapali Ocean Resort Villas
Phase I (Maui)*



MCON Project P-593 Regional BEQ (Oahu)



*University of Hawaii at Manoa Hawaii Hall
Renovation (Oahu)*



*Polynesian Cultural Center Hale Aloha Alii
Luau (Oahu)*



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@bellcollins.com	846-3232	538-7819
Vice Pres Lori Fong email: lfong@ascehawaii.org	531-7094	528-2368
Secretary Phillip Ooi email: ooi@wiliki.eng.hawaii.edu	956-8512	956-5014
Treasurer Ron Iwamoto email: ron@iwamotollc.com	454-2348	454-2997
Past Pres Westley Chun email: wkcchun@engrsol.com	488-0477	488-3776

DECEMBER DINNER MEETING

There will not be a December dinner meeting.

EXECUTIVE COMMITTEE MEETING

December 8, 2004

UPCOMING CALENDAR OF EVENTS

(subject to change)

1. A design-build workshop is being planned for January 26 and 27, 2005, in conjunction with American Public Works Association, American Council of Engineering Companies of Hawaii, and the Local Technical Assistance Program.
2. An Engineer's Ring Ceremony is being planned for the Engineer's Week Banquet on February 26, 2005.

ASCE HAWAII SECTION AWARDS

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 establishing a second annual scholarship. 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 488-0477, or wkcchun@engrsol.com.

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)
- Hida, Okamoto & Associates, Inc. (Civil Engineer - Honolulu)
- Maui Land & Pineapple Co. (Director, Land and Water Asset Management - Kahului)
- Warren S. Unemori Engineering (Project and Civil Engineers - Wailuku)

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

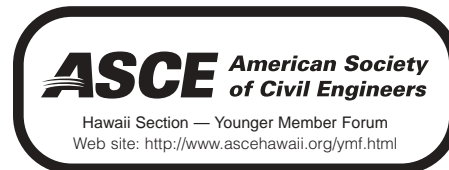
MEMBERSHIP DRIVE

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 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 mem-



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 Smolinski001@hawaii.rr.com	382-7174
Student Chapter President Jesse Elliot Elliot@hawaii.edu	956-5808

Next YMF General Meeting

The next two YMF general meetings are scheduled for Tuesday, December 7, 6:00 p.m., at Gordon Biersch Brewery Restaurant at Aloha Tower, 599-4877; and Tuesday, January 4, 6:00 p.m., at Dave & Busters, Ward Entertainment Center, 589-2215. 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 472-1450.

YMF November Service Project

By Aaron Kam,
Hawaii Section YMF Community Service Chair

On Saturday, November 6th, 13 members of ASCE's YMF organization came out to support the Humane Society's annual Santa Paws fund raiser event. Volunteers assisted the Humane Society with helping Santa dress up his furry friends with holiday cheer, directing traffic in the parking lots and providing assistance in registering people's pets for the event. Thanks to all for showing up and making this a successful and fun filled event.



Hawaiian Humane Society Santa Paws Volunteers.

ASCE Job Classified

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

bership 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. 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 586-4329 or jseto@ascehawaii.org.

ASME (continued from page 5)

For more information on his work, please visit www.hnei.hawaii.edu.

Charly Kinoshita, P.E., Ph.D. – Dr. Kinoshita is currently a professor with the Bioengineering Program of the College of Tropical Agriculture and Human Resources at the University of Hawaii at Manoa. Dr. Kinoshita's volunteer interest with the section is in the P.E. refresher course. Since the P.E. refresher course has not been conducted within the past year, more detail will be forthcoming on the schedules and course fees for members and non-member. For more information about Dr. Kinoshita, please visit <http://www.ctahr.hawaii.edu/be/faculty/ckinoshita.html>.

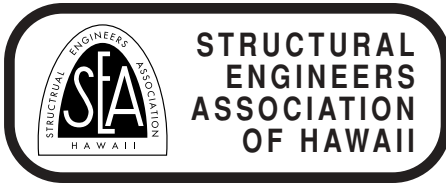
David Katsuda – David is the current UH ASME Student Section Chair. He is currently a senior in the mechanical engineering program at the University of Hawaii at Manoa and has taken responsibility as an officer of the section. David encouraged the senior section to participate in the UH Engineering Expo and Boy's & Girl's Club Robotics competition scheduled for January 28, 2005 and January 29, 2005, respectively. For more information on the UH ASME Student section, please visit www.sections.asme.org/hawaii and click on Hawaii Student Section.

David Narahara – David is the current UH ASME Student Section Treasurer. He is currently a junior in the mechanical engineering program at the University of Hawaii at Manoa. He too has taken increased responsibility as an officer to develop and gain leadership skills geared to help during the transition into the workforce.

Victor Russell, P.E. – Victor is the President of DSA Engineers, Inc. and current President of the American Society of Heating, Refrigerating & Air Conditioning Engineers (ASHRAE) Hawaii. Victor and his fellow ASHRAE officers have invited the ASME Hawaii section to conduct joint membership meeting to be held in March of 2005. Watch out for future notices in the February 2005 issue of the Wiliki.

Ryan Lee – Ryan is a Senior Sales Engineer at Norman Wright Mechanical, Inc. Norman Wright Mechanical is the largest mechanical equipment supplier in the continental U.S. and has offices in Los Angeles, Las Vegas, Reno and other states. Ryan will be volunteering his services as a presenter on the topic of "Fundamentals of Fan Selection." The presentation will be targeted toward the UH ASME Student section so that they may gain the critical work related skills required to selection the

(continued on page 11)



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

OFFICERS & DIRECTORS

Position	Officer	Phone	Fax
President	Randy Chu	373-7950	373-7950
Vice Pres	Beverly Ishii-Nakayama	942-9100	942-1899
Secretary	Shawn Matsumoto	597-8555	597-8559
Treasurer	Jonathan Murai	533-2210	533-2686
Director	Ibbotson Kellet	540-1030	526-1989
Director	Les Nagata	951-5916	941-6489
Director	Wayne Kawano	848-7100	848-2626
Director	Dean Doi	955-4441	942-2027
Past Pres	Tom Tanimura	536-7692	537-9022

HIGHLIGHTS OF BOD MEETING, 10 November 2004

Previous Business:

Reference Library: The Board has received all of the suggestions of reference materials for the reference library from the membership and has compiled it into a list that Randy Chu and Ibbotson Kellett will present to Rupert Chun. They will discuss which items to purchase and include in the reference library.

New Business:

Complex Codes Report: Dennis Hanatani submitted a final report titled, "Structural Engineering with Complex Codes and Standard, September 2004, Ad-Hoc Committee on Structural Engineering Practice" to the Board. This document summarizes the poll results from the survey conducted in February 2004 regarding the Building Code issues with practicing structural design engineers. The Board unanimously voted to accept the final report. Les Nagata will post a copy of the final report on the SEAHO website. The Board had discussions on whether to send a copy of the document to other organizations (ASCE, ACI, etc.) and government agencies. The Board will determine whether to send the send a copy to other organizations and government agencies at the December Board meeting.

2005 Installation Banquet: Wayne Kawano reported that the 2005 Installation Banquet will be held at the Honolulu Country Club on 29 January 2005. He is currently in the process of trying to acquire Augie T. as the entertainer for the festivities. Wayne Kawano mentioned that he anticipates that members and guest prices would be about \$35/person and \$20/person for under 18 years of age guests.

The Board voted to accept Jacky Tong, Lisa Minakami, and Leilani Hirata as new Allied Members.

Website Items:

New postings on the website: Bulletin Board - Baldridge and Associates was recently recognized by the NCSEA for outstanding project in the \$10M to \$30M category.

New Member Applications:

The following membership applications have been received at the 10 November 2004 Board meeting and are open for comments from the membership:

Timothy Goshi, Sato and Associates, Inc., applied as an Allied member.

Curtis Yokoyama, U.S. Army Corps of
(continued on page 11)



HAWAII CHAPTER

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

OFFICERS & DIRECTORS

	Phone	Fax
President	Mike Kasamoto 955-6834	955-2483
Vice Pres	Jeff Hanyu 536-2108	521-3000
Secretary	Will Wong 945-0198	944-1177
Treasurer	Bennett Fung 531-1308	521-7348
Director	Rolando Agbunag 626-3621	626-3660
Director	Glenn Isidro 533-2210	533-2686
In Dir	Howard Lau 942-9100	942-1899
Director	Darin Okuda 689-5400	689-5406
Director	Brent Uechi 521-6958	533-6701
Past Pres	Akira Usami 682-5747	682-2928

General Membership Update

President Mike Kasamoto returned from the LGSEA National Meeting in Las Vegas October 21-22 to report on activities of the national association. LGSEA is placing heavy emphasis on producing more Technical and Research Notes annually, along with timely quarterly newsletters to keep the members informed of industry activities. Minutes of the meetings held by the following national committees: Fasteners, Research and Development, Structural Assemblies, and Truss Task Group should be posted on the LGSEA website in the near future.

At the local chapter, the slate of new directors is being prepared for voting by the general membership. The chapter would like to thank outgoing directors for their dedication and hard work. They are: Rolando Agbunag of Watts Constructors, Bennett Fung of SSFM International, Howard Lau of SLSH and Associates (interim director), and Akira Usami of Dietrich Metal Framing (past president). Thank you's also go out to our hardworking officers for 2004: President Mike Kasamoto, Vice President Jeff Hanyu, Secretary Will Wong, and Treasurer Bennett Fung.

Our 2005 Installation banquet is scheduled for February 5 as an evening function. Look for announcements to go out shortly on this kickoff event. Please join us in wishing the new administration great success! We are also in the middle of the 2005 sponsorship drive, we wish to thank the generous sponsors who have contributed to the chapter in the past and look forward to your continued support. Due to the support of our generous

sponsors, our chapter continues to bring in light gauge steel experts to present seminars and programs to the local building industry.



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

2003-2004 OFFICERS

President:	Bryce T. Yonemura	473-8000 x2456
Vice Pres:	Kelli Goodin	441-3600
Secretary:	Ryan Sugamoto	956-3357
Treasurer:	Marian Nakama	836-1900 x234
Directors:	Lloyd P.C.W. Lee	
	Michael Y. Magaoay	
	Randolph H. Murayama	
	Wayne H. Nakamura	

EAAUH Vegas Field Trip

EAAUH would like to invite you to join us on a field trip to Las Vegas from May 18 to May 23, 2005. Activities will include the University of Hawaii Alumni Association Las Vegas Chapter Annual Scholarship Golf Tournament, dinners, presentation and slot/poker tournament. More information to follow. Contact: Diane Kodama (diane.kodama@m-e.com)

EAAUH Website

Please visit our website at www.eaauh.org for pictures of the EAAUH golf tournament, information on events, job listings and EAAUH news.

Have a safe and happy holiday season!



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**AN ORDER OF
THE ENGINEER RING CEREMONY
WILL BE HELD
AT THE 2005 ENGINEERS WEEK BANQUET
FEBRUARY 26, 2005 AT 5:00 P.M.
AT THE ALA MOANA HOTEL**

The Hawaii Council of Engineering Societies invites you to participate in the Order of the Engineer Ring Ceremony to be held preceding the Engineers Week Banquet. This is an optional event and participants are welcome to attend the Banquet after.

The Order of the Engineer was initiated in the United States to foster a spirit of pride and responsibility in the engineering profession, to bridge the gap between training and experience, and to present to the public a visible symbol identifying the engineer. The first Ring Ceremony was held on June 4, 1970 at Cleveland State University. Others like it have since spread across the United States at which graduate and registered engineers are invited to accept the Obligation of the Engineer and to wear a stainless steel ring.

The Ring Ceremonies are conducted by Links (local sections) of the Order, of which the American Society of Civil Engineers (ASCE) is one. On April 15, 2004, 75 people participated in the first Ring Ceremony held in Hawaii. More information on the Order of the Engineer can be found at www.order-of-the-engineer.org.

Any engineer is eligible for induction into the Order of the Engineer if he or she has graduated from an ABET-accredited engineering program or holds a license as a Professional Engineer. Students enrolled in ABET-accredited engineering degree programs are eligible if they are within two academic terms of graduation. Guests are welcome to witness the induction ceremony.

Participants at the Engineers Weeks Banquet Ring Ceremony will take the Obligation of the Engineer and receive a stainless steel ring. The cost for the Ring Ceremony will be \$17.50. A registration form for the Ring Ceremony is attached. To assist in determining your ring size, a ring sizing chart is available from the HCES website at www.hces.us.

For additional information on the Ceremony, please contact: Westley Chun, HCES Vice Chair, at 488-0477 or wkcchun@engrsol.com.



Order of the Engineer Ring Ceremony

2005 Engineers Week Banquet
February 26, 2005 at 5:00 p.m.
Ala Moana Hotel

Sponsored by the
American Society of Civil Engineers (ASCE)
World Headquarters Link,
ASCE Hawaii Section, and
Hawaii Council of Engineering Societies

Name: _____
(to be printed on certificate for participants only)

Professional Credentials: P.E. P.L.S. E.I.T.
(to be printed on certificate for participants only)

Mailing Address: _____
(needed for participants only)

Ring Size: _____ (fifth finger of your writing hand)
(needed for participants only – form for measuring ring size is available on the HCES website at www.hces.us)

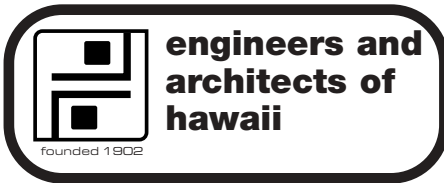
I attest that I am eligible for induction into the Order of the Engineer by merit of:

- 1. having graduated from an ABET-accredited engineering program, or
- 2. holding a license as a Professional Engineer, or
- 3. being enrolled in an ABET-accredited engineering program and within two academic terms of graduation.

signature date

Registration Fee: \$17.50 per initiate (includes ring and certificate)

Fee is payable via cash or check. Please make check payable to "HCES." Mail completed form with payment to Erik Kaneshiro, HCES Treasurer, c/o Austin, Tsutsumi & Associates, 501 Sumner St, Suite 521, Honolulu, HI 9617. Registration forms with payment must be received by February 15, 2005.



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

December Meeting Schedule

Program Chair: Hans Krock
Dec 3rd - EAH Christmas Lunch Meeting -
Hawaii Prince Hotel - call Sam Gillie or Ralph
Dobson to RSVP.
Dec 10th - TBA
Dec 17th - TBA
Dec 24th - No Meeting Christmas Eve
Dec 31st - No Meeting New Years Eve

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.

SEAOH (continued from page 9)

Engineers, applied as a Member.

These applications will be voted on at the
January Board Meeting. Please notify any
SEAOH Officer prior to the January Board
meeting if you wish to comment on this
prospective member.

2004 and 2005 Calendar of Events:

Next BOD meeting: 01 December 2004,
4:30 p.m., at Shigemura, Lau, Sakanashi,
Higuchi office.

December 9, 2004: Designer & Builder
Symposium - Partnering Through the 21st
Century at the Hilton Hawaiian Village Coral
Ballroom.

January 29, 2005: SEAOH Installation of
2005 Officers and Directors at the Honolulu
Country Club.

ASCE History (continued from page 3)

trade laws, State Sen. James Aki introduced a
bill to forbid imports, and the state's Attorney
General's office characterized the bill's intent
as an unconstitutional restraint of interstate
trade. The then chair of the Senate Economic
Development Committee, Benjamin Cayetano,
urged the parties to find an alternate conflict
resolution. Nevertheless, as the "Mineral
Yearbook" reported, "although the two plants
operated at less than capacity in 1983, some
Hawaiian concrete manufacturing companies
imported cement from the Republic of Korea."

In May 1985, Lone Star along with an
Australian partner, Adelaide Brighton Cement
Holdings, acquired the assets of Kaiser
Cement and proceeded to close that facility. At
about the same time, Grace Brothers acquired
PC&R to form Grace Pacific that got out of the
ready-mix business, causing the S-B to declare
that "the consolidation leaves Hawaii with one
cement manufacturer, down from two, and two
major ready-mix concrete suppliers, down from
three."

By October 1985 the "Hawaiian Cement Co."
reappeared in Hawai'i, this time sporting a new
logo designed by Momi Cazimero of Graphic
House and described by the HA as being
"developed from the letter 'C,' suggesting in its
interlocked shape a familiar concrete block
form."

But the plot thickens. On December 11, 1990
a HA headline proclaimed: "Lone Star in bank-
ruptcy: firm co-owns Hawaiian Cement."

Do you know of a civil engineering accom-
plishment 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>.

ASME (continued from page 8)

right type of fan for the right application. This
presentation will be scheduled for April 2005.
For more information about Norman Wright,
please visit www.norman-wright.com.

Old Business

Engineer's Week Activity Booth at Kahala
Mall - Solicitations will be made via email to all
members and friends of the section to volunteer
their time to man the Engineer's table at Kahala
Mall during the Engineer's week in February of
2005. In addition, Sam Gillie indicated that
Hawaiian Electric has a fuel cell exhibit that will
be used at the table. More information will be
provided as the date draws near.

Items Dropped for Future Activity

ASME Caps - It was decided at the

November 9th Executive Committee meeting to
not pursue the procurement of section caps.
The section officers felt that there would be no
benefit for the section to procure caps to pro-
mote future activities of the section.

Perpetual Trophy for UH DME - It was decid-
ed to not pursue a perpetual trophy for the UH
DME to display in the department hallway to
recognize the winners of the Francis Rhodes
Montgomery Design Competition.

ASME'S 125th ANNIVERSARY ACTIVITIES REMINDER

Log onto www.asme.org/anniversary for up-
to-date information on events for ASME's 125th
anniversary. Events that are scheduled to take
place in 2005 so far:

- Founders Day: February 16, Wednesday
- Boiler Code Day: March 12, Saturday
- Heritage Day: April 7, Thursday

Other events slated to take place during
2005 include landmark designations for William
Seller's Screw Threads at the Franklin Institute
in Philadelphia, PA and the Model-T at the
Henry Ford Museum in Dearborn, MI.

CAPITAL UPDATE ASME INTERNATIONAL - OCTOBER 28, 2004

Capital Update is a publication of ASME to
inform its members of public policy issues of
concern to the engineering community. The
articles contained in Capital Update are not
positions of ASME or any of its sub-entities,
unless specifically noted as such. One item to
report is titled "U.S. Job Losses from
Offshoring Double between 2001 and 2004."

A study recently released by the U.S.-China
Economic and Security Review Commission
estimates that during 2004, the U.S. will lose as
many as 406,000 jobs as they shift from the
U.S. to other countries. Nearly one-fourth of the
2004 job losses are expected to go to China.

While the conventional wisdom in the U.S. is
that companies need to offshore jobs to stay
competitive, the report also says businesses
engaged in production shifts "tend to be large,
publicly held, highly profitable, and well estab-
lished... The principal motive for production
shifts to China is cost reduction rather than
producing for the Chinese market." The study
reports that trade adjustment assistance to
workers laid-off owing to overseas job reloca-
tion is poor, covering less than one-third of the
cases where production shifts occur. The
entire report is available at www.uscc.gov/.

Next Deadline for
Wiliki
is December 15th

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