

AMERICAN SOCIETY OF CIVIL ENGINEERS - HAWAII SECTION 2005 OUTSTANDING CIVIL ENGINEERING ACHIEVEMENT AWARD

Two projects were selected as co-awardees for the 2005 ASCE Hawaii Section Outstanding Civil Engineering Achievement (OCEA) Award. The winning projects are the Air Force MILCON Program to Repair Airfield Pavement, Wharf and Facilities at Wake Island and the Kalaniana'ole Highway Emergency Landslide Repairs at Castle Junction, Kailua, Hawaii.

Air Force MILCON Program to Repair Airfield Pavement, Wharf and Facilities at Wake Island



The U.S. Air Force needed to repair the main runway pavement, wharf, marine bulkhead, and causeway at Wake Island. Wake Island is a military airfield located approximately 2,300 miles west of Hawaii in the Pacific Ocean and serves as a strategic military aircraft fuel stop and target missile-launching platform for the U.S. Air Force anti-missile testing program. The island is 2.5 square miles and was formed as an atoll by the coral built up on an inactive underwater volcano.

Pavement design was completed in accordance with the Unified Facility Criteria and pavement design software programs were developed by the Waterways Experiment Station. Use of recycled materials for the airfield repair was of particular interest because of the remote location. Recycled asphalt was used in the structural backfill of the pavement section to reduce the amount of new material imported to the island.

This work required new sheet piles, new whalers, tieback rods, cathodic protection, relocation of a building, and environmental abatement.

The new runway pavement allows the airfield to accept a normal flow of military air traffic, including the critical refueling of fighter planes and accommodating emergency landings for any other flights in the mid-Pacific. The renovated wharf allows for easier loading and unloading of critical supplies to the island. The project's improvements support of the island's military readiness mission that is critical in strengthening and stabilizing U.S. national security.

This Military Construction (MILCON) program, designed for the Air Force by Earth Tech, Inc., included removal, repaving, and restriping of the runway; repair of taxiways, the main apron, and associated buildings; and improvements to the wharf, marine bulkhead, and causeways.

Kalaniana'ole Highway Emergency Landslide Repairs at Castle Junction, Kailua, Hawaii



The Hawaii Department of Transportation needed to remediate the rocky hillside along Kalaniana'ole Highway at Castle Junction due to safety concerns resulting from the increasing occurrence of rockfalls and landslides. To the Kailua community, access to Kalaniana'ole Highway at Castle Junction is crucial to their daily activities, for it provides a vital link to and from their neighborhoods. In the fall of 2003, following a period of heavy rainfall, several rockfalls and landslides occurred in the area, creating safety concerns for motorists as rocks and soil tumbled down the hillside and came to rest on the roadway. This particular location was identified as one of the most hazard-prone areas on the island based on geologic investigations. This prompted State officials to fast-track a means to tame the seemingly vertical hillside.

In consideration to the community's desire to maintain its natural surroundings, implementing an innovative design which enhanced the existing features while eliminating the hazard was essential. The project needed to be cost-effective and provide a long term solution to the slope stability problem along this stretch of Kalaniana'ole Highway. The removal of approximately 240,000 cubic yards of soil and rock resulted in a stabilized hillside, restored safety for motorists, and enhanced the natural beauty of the area.

Completed under budget and ahead of schedule, transformation of the once menacing rockfall site to a gently sloping, grassy hillside provided a long-term aesthetically pleasing solution and alleviated the potential for rockfall and landslides, while opening up views of the Koolau Mountains. The project was designed for Hawaii Department of Transportation by Parsons Brinkerhoff Quade & Douglas, Inc.



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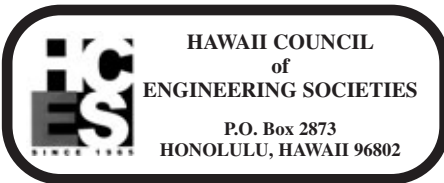
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WILIKI MAILING LIST

Additions and/or corrections to the Wiliki mailing list should indicate the proper society, institution or association. Corrections to email addresses should be submitted to your society coordinator.

Laverne Higa
 Department of Facility Maintenance
 1000 Uluohia Street, Suite 215
 Kapolei, Hawaii 96707
 Office: 808-692-5054
 Fax: 808-692-5857



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

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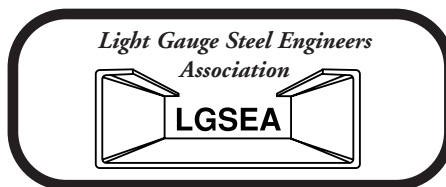
Presenting Alison with her first year scholarship award during Bonded's 50th Anniversary celebration and luncheon is company President, Jeff Deer (left) and Dr. Ronald Riggs (right), Chairman, University of Hawaii Civil & Environmental Engineering Department.

U.H. Engineering Student Awarded Scholarship from Bonded Materials Company

Ms. Alison Leake, a junior at the University of Hawaii, College of Engineering, was awarded the 2005-2007 Eric N. Jacobsen Memorial Scholarship, the eleventh in a consecutive series since 1996. This year's recipient will be receiving a two year scholarship plus a paid summer internship in the company's concrete quality control and testing laboratory, worth approximately \$15,000.

The scholarship was created in memory of Eric N. Jacobsen, a beloved and invaluable team member of Bonded Materials Company, who died suddenly in 1996. The purpose of the scholarship is to encourage and reward community involvement and academic excellence by engineering students. Bonded Materials Company is a diversified manufacturer and distributor of construction and concrete related building products, with sales offices in Honolulu, Kona, Guam, Saipan, Phoenix and Las Vegas.

Prior scholarship recipients include Lee Ann Shiroma, Stacie Saito, Jennifer Eng, James Cabigon, Aaron Small, Nicole Kikuchi, Timothy Goshi, Jason Seidman, Renee Ishisaka, and Brandon Weaver.



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

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2005 COMMITTEE CHAIRS

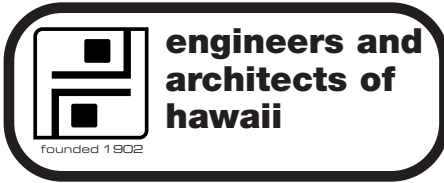
Program:	Tim Waite
Technical:	Brent Uechi
Membership:	Darin Okuda
Sponsorship:	Glenn Isidro
Directed R&D:	Jim Walfish
Specifications:	Brent Uechi
Young Engineer Education:	Jeff Hanyu
Website:	Jeff Hanyu

General Membership Update

LGSEA Hawaii Chapter eagerly awaits the arrival of Greg Crawford, Vice President, Operations, of the Steel Recycling Institute from Pittsburgh, PA. His seminar on current practices for steel recycling will discuss how the steel industry is using more recycled content than ever before and minimizing the environmental impact of steel manufacturing. Mr. Crawford will discuss how steel framing meets the objectives of green building. This seminar is hosted by the Steel Framing Alliance and will be attended in conjunction by members of the Hawaii Pacific Steel Framing Alliance. Please join us November 17th at 5:00pm at the Willows Restaurant for this very informative seminar and the legendary dinner buffet at the Willows.

The year is rapidly drawing to a close, and the Chapter will be seeking new directors to participate on the Board of Directors and as officers for 2006. This is a great opportunity to network with other members in the cold-formed steel industry, both locally and nationally. Please let one of the current board members know if you are interested in being considered for a position.

The Chapter has also formed the adhoc Young Engineers Education Committee. The Committee is striving to send graduating engineers into the workforce with greater familiarity with cold-formed steel. We are working with Dr. Ian Robertson to include a cold-formed steel curriculum in the Structural Steel Design class in the Spring semester.



po box 4353, honolulu, hawaii 96813

An association for Hawaii's Engineers and Architects
New WEB Address <http://community.hei.com/eah>

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Director	Eric Kashiwamura	543-4705
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Past Pres	Bob Morrissey	521-4711

EAH November Program:

November 4th, Speaker: Tom Ocasek, Wildlife Photographer. Title: "The Importance of the Arctic, Polar Bears as a Benchmark"

November 11th, No Meeting, Veteran's Day

November 18th, Speaker: Art Seki, HECO Director, Technology.

"Promoting Renewable Energy in Hawaii: Status of Recent Initiatives"

November 24th, No Meeting, Thanksgiving

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.

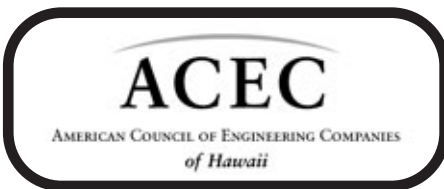
Past Meeting Notes

September 16th, 2005

Speaker: Judith Cantil, Assistant Vice President, Community Building.

Subject: "Aloha United Way's Volunteer Hawaii Program." Judith Cantil talked about Aloha United Way's Volunteer Hawaii Program
(continued on page 9)

WELCOME TO OUR NEWEST MEMBER



P.O. Box 88840

Honolulu, HI 96830

Website: www.acechawaii.org

2005 OFFICERS

		Phone	Fax
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	Douglas Lee	523-8499	533-0226
Exec. Dir.	Ginny M. Wright	234-0821	234-1721
	Email: gwright@acechawaii.org		



CALL FOR NOMINATIONS

In 1997, the Hawaii Council Of Engineering Societies instituted the "HCES Lifetime Achievement Award" which is designed to recognize 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 award is presented annually during the Hawaii Engineers' Week Banquet. The first HCES Lifetime Achievement Award was made on February 27, 1998.

ELIGIBILITY

The following criteria shall be applied when nominating a candidate for the award:

- The nominee shall be affiliated with an HCES member society as an active member.
- The nominee shall have lived and worked in Hawaii as an engineer or engineer-manager for at least 15 years.
- The nominee shall be 62 years or older at the time of nomination.
- The nominee shall have taken retirement from public or private sector employment. The nominee could, however, be continuing employment or consultancy or other work after effective retirement.
- In the case of a nominee who was an entrepreneur who started his/her own company, the nominee shall have actively handed over control of the company to a successor. The nominee may continue to be involved with the company.
- Posthumous awards may be made provided the nominee was an active member of an HCES member society at the time of his/her passing away and fulfilled all the required criteria listed above.

NOMINATION

The following criteria shall apply to the method for nomination:

- Any person belonging to any HCES member organization may nominate a candidate.
- The nomination shall be accompanied by a citation that must effectively highlight, in narrative form, the engineering contributions of the candidate. Special emphasis shall be made on the nominee's contributions to Hawaii.
- The nomination shall include a detailed resume of the nominee.
- The nomination package shall be submitted with a cover letter addressed to the HCES Chair.
- Multiple nominators may nominate a single nominee. The nominations submitted may be a joint or separate nomination. To be considered valid, each nomination package shall be complete.
- A single nominator may nominate multiple candidates. The nomination for each candidate shall be distinct and complete with all necessary documents.
- If the nominee has not been selected in a previous nomination, he or she may be nominated in subsequent years.

The HCES Selection Committee will select the recipient. Five copies of the nomination

shall be mailed to: 2006 HCES Lifetime Achievement Award, P.O. Box 2873, Honolulu, Hawaii 96802. **Award nominations must be postmarked on or before December 17, 2005.**

2006 ENGINEER OF THE YEAR AND YOUNG ENGINEER OF THE YEAR AWARDS

In conjunction with the activities of Engineers' Week 2006, 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 2006 Engineers Week Banquet. Completed nomination forms and letters of support must be received *no later than Friday, December 17, 2005 at the following address (electronic submittals only):*

Hawaii Society of Professional Engineers

c/o Kenneth Rappolt, P.E.
ken@lyonassociates.com
Phone: (808) 536 6621

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, 2006;
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 Ken Rappolt at Lyon Associates, Inc or by Email: Ken@lyonassociates.com.

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

1. 30% Technical Accomplishment (Major Projects, Technical Awards, Papers & Presentations, 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.



2004-2005 ASCE Hawaii Section Executive Committee

Office	Phone	FAX
President	Keith Niiya 533-3646	526-1267
	<i>email: kniyya@atahawaii.com</i>	
Pres. Elect	Walter Billingsley 846-3232	538-7819
	<i>email: wbillingsley@beltcollins.com</i>	
Vice Pres.	Lori Fong 384-5372	689-1585
	<i>email: lfong@ascehawaii.org</i>	
Secretary	Phillip Ooi 956-8512	956-5014
	<i>email: ooi@wilki.eng.hawaii.edu</i>	
Treasurer	Ron Iwamoto 486-5202	486-5206
	<i>email: ron@iwamotollc.com</i>	
Past Pres.	Westley Chun 440-0269	945-7269
	<i>email: Westley.Chun@ch2m.com</i>	

NOVEMBER DINNER MEETING

Program: Freeway Stories and News from Honolulu, Hawaii by Dr. Brennon Morioka and from Athens, Greece by Dr. Panos Prevedourous.

Date: Thursday, November 17, 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 Mike Hunnemann, ASCE Treasurer, c/o KAI Hawaii, 31 N. Pauahi Street, 2nd Floor, Honolulu, Hawaii, 96813, postmarked by Monday, November 14, 2005. Reservations for the dinner meeting to Mike Hunnemann by Monday, November 14, 2005, by phone at 791-3980, fax at 533-2686 or email at mhunnemann@kaihawaii.com.

EXECUTIVE COMMITTEE MEETING

November 3, 2005

POPSICLE BRIDGE COMPETITION

The ASCE Hawaii Section and the University of Hawaii (UH) College of Engineering are co-sponsoring a Popsicle bridge competition specifically for middle school students. This competition is scheduled to be on November 18, 2005 at UH. The purpose of the competition is threefold:

- To promote teamwork, technical and communication skills
- To create opportunities for interaction among students, teachers and the engineering community
- To inspire students to pursue a career in Engineering.

If you know any middle school students that are interested, please have them contact their teachers so that they can get in touch with the contest organizers: Dan Marsh (engineering@engrsol.com) at Phone 488-0477/ Fax 488-3776 or Keith Niiya (kniyya@atahawaii.com) at 533-3646/Fax 526-1267 or Phillip Ooi (ooi@eng.hawaii.edu) at 956-8512/Fax 956-5014.

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 Keith Niiya at 533-3646, or kniyya@atahawaii.com.

ASCE JOB LISTINGS

The following employers have openings they would like to fill:

- Austin Tsutsumi & Associates, Inc. (Civil Engineer - Honolulu and Wailuku, Land Surveyor - Honolulu)
- Bills Engineering Inc. (CADD Technician)
- Brown and Caldwell (Civil or Mechanical Engineer - Honolulu, Project Manager - Maui)
- Community Planning & Engineering, Inc. (Civil Design Project Engineers/Managers)
- Fewell Geotechnical Engineering (Geotechnical Engineer - Honolulu)
- Fukunaga & Associates (Civil and Civil/Environmental Engineers - Honolulu)
- GeoEngineers, Inc. (Senior Engineer)
- Jacobs Engineering Group Inc. (Civil Engineers and more)
- Kamehameha Schools (Project Manager, Facilities Development)
- NTW Associates Inc. (Structural Engineer)
- Towill, Shigeoka & Associates, Inc. (Licensed Professional Land Surveyor, Computer/Draftsperson (CAD), experienced Party Chiefs and Rodpersons for Oahu and Kona)
- Warren S. Unemori Engineering (Project Engineer and Civil Engineer - Wailuku)
- Zapata Engineering (Geotechnical Engineer)

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 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 Wiliki via e-mail, please contact Joanna Seto at 586-4329 or jseto@ascehawaii.org.



2004-2005 YMF OFFICERS

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President	Florence Ching	227-4704
	<i>fching@ascehawaii.org</i>	
Vice-Pres	Scott Jennings	845-8440
	<i>sjennings@rci-group.com</i>	
Secretary	Lisa Takushi	531-2462 ext. 231
Treasurer	Morgan Branch	545-2462 ext. 108
Past Pres	Paulette Ujimori	257-6920 ext. 231

Next YMF General Meetings

The next two YMF general meetings are scheduled for Tuesday, November 1, 6:00 p.m., at Ryan's Grill at Ward Centre, 591-9132, and Tuesday, December 6, 6:00 p.m., at Gordon Biersch Brewery Restaurant at Aloha Tower Marketplace, 599-4877. If you are interested in attending to find out what the YMF is all about and how much fun we have, please call Florence Ching 227-4704.

YMF NOVEMBER STORM DRAIN STENCILING COMMUNITY SERVICE PROJECT

The Hawaii Section YMF will be stenciling the "Dump No Waste", "Goes to Ocean" message over the City's storm drains on Saturday, November 19, 2005 from 8:00-11:30 A.M. in Waikale. The meeting place is yet to be determined. A lunch or picnic will follow. For more information, please contact Emi Kiyoi at ekiyoi@beltcollins.com or Aaron Kam at akam@ascehawaii.org.

2006 NATIONAL YOUNGER MEMBER and WRYMC AWARDS

ASCE Hawaii Section YMF is requesting nominations for National Younger Member and WRYMC (Western Regional Younger Member Council) Awards. Nominations are strongly encouraged to recognize young engineers who have contributed to the enhancement of the general society and the engineering profession.

Each year, ASCE recognizes outstanding achievements by its Younger Members through

(continued on page 8)

KAMEHAMEHA SCHOOLS

Kawaiaha'o Plaza

- **PROJECT MANAGER, Facilities Development**
REQ# 006510
 - Bachelor's Degree in Engineering or Architecture.
 - Minimum of 5 years construction management and supervision.



Please apply online and learn more about this position at:
www.ksbe.edu

EE0/AA

2004

Concrete Achievement Awards

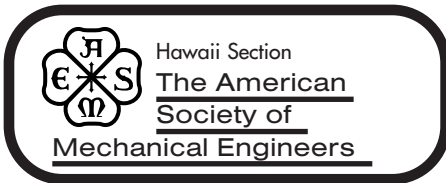


NEW PRIVATE BUILDING AWARD

THE WESTIN KAA NAPALI OCEAN RESORT VILLAS, PHASE I

OWNER/DEVELOPER	SVO PACIFIC, INC.
ARCHITECT	DESIGN PARTNERS INCORPORATED
STRUCTURAL ENGINEER	SATO & ASSOCIATES, INC.
GENERAL CONTRACTOR	HAWAIIAN DREDGING CONSTRUCTION COMPANY

This project is made up of a six-story luxury timeshare building which houses 103 units of 2-bedroom/2 baths. Directly beneath the units are the parking basement, service and limited guest recreational amenities. Due to the direct oceanfront exposure, the concrete structure provides the best long-term performance for environmental marine/storm conditions. The glazed concrete tile roof was a cost efficient choice to provide an extended roof life, for lower, long-term maintenance costs.



Website: www.sections.asme.org/hawaii

ASME-HI 2005-2006 Officers

Chairperson	Raymond Liu Rliu92228@aol.com	521-3773
Vice-Chair	Rodney Krienke rkrienke@earthlink.net	306-5759
Secretary	Kevin Dang Dangk001@hawaii.rr.com	737-1708
Treasurer	Derick Kam kam@thermaleng.com	848-6966
Dir 1 yr	Chester Kaitoku ckaitoku@honolulu.gov	527-6063
Dir 2 yr	James Grogan jfgrogan@worldnet.att.net	254-2547

HAWAII SECTION GENERAL MEETING

Date: Tuesday, November 8, 2005

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

Place: Hawaiian Electric Company, Inc. Ward Avenue Cafeteria

Please contact Ray Liu or Kevin Dang for directions and for more information.

HAWAII SECTION IN DISTRICT "D"

Under the new ASME, the Hawaii Section becomes a part of the new District "D." Under the reorganization, the old Regions VIII and IX have combined into District "D." This new district contains the states of Alaska, California, Hawaii, Idaho, Montana, Nevada, Oregon and Washington, and the Canadian Provinces of British Columbia, Alberta and the Yukon and Northwest Territories. Our old Region IX included only the states of California, Hawaii, and southern Nevada. District "D" includes a total of 30 sections. There has been no change in the boundaries and mission of the sections and student sections.

Lynden Davis has been selected as ASME District "D" Leader for the 2006 program year. He will be followed by William Robbins, a former Region VIII VP Elect, for the 2007 and 2008 program years.

Section allocation has been reduced 75% of last years. Allocations may be reduced in future years. Sections are required to work smarter by keeping their expenses down, while also being "entrepreneurial" in raising funds locally.

The Western Regional Office was closed and sections will have to contact ASME headquarters in New York and New Jersey for support. Lynden Davis reminds us "the winds of change are blowing hard and we all need to adapt to the new ASME environment."

ENGINEERS WEEK NEW FACES CAMPAIGN

ASME is seeking candidates to represent the Society and the mechanical engineering profession in the Engineering Week 2006 program "New Faces of Engineering," which highlights the contributions of young engineers and the resulting impact on society-at-large.

The "New Faces of Engineering" campaign was developed as a way to enhance and improve the image of engineering by putting the spotlight on a group of young, diverse and talented engineers, thereby portraying engineering as an exciting profession that is open to everyone.

The program also hopes to provide stimulation and incentive for college engineering students to explore the variety of career options

available to them with their engineering degrees, as well as encourage high school students to study engineering in college.

Nominees for the "New Faces" program should be 30 years of age or younger and have a degree in engineering from a recognized U.S. college or university, or from an equivalent international educational institution.

Finalists from ASME and the other participating societies will be featured in a full-page ad in USA Today during Engineers Week, Feb. 19-25, 2006. In addition, profiles of the winning candidates will be posted on ASME's EWeek Web site, the Engineers Week Web site at www.eweek.org, and at www.discoverengineering.org, the EWeek Web site for middle school students.

Nominations must be submitted electronically on the form provided at www.asme.org/eng_week/NewFaces2006.html. They must be submitted by Wednesday, Nov. 16, 2005, to Marina Stenos at stenosm@asme.org.

ASME-HI WELCOMES NEW DEPARTMENT OF MECHANICAL ENGINEERING FACULTY

Welcome Assistant Professor Anyuan Cao and Assistant Professor Alexandre K. da Silva, the newest members of Dr. Bruce Liebert's Mechanical Engineering department. Members of ASME-HI met Associate Professors Cao and da Silva at an October 8 reception hosted by Dr. Liebert.

Dr. Cao comes to Hawaii from the Rensselaer Polytechnic Institute's Department of Materials Science & Engineering where he was a Post-doctoral researcher. His research interests include:

1. Rational synthesis of one-dimensional nanoscale structures (e.g. carbon nanotubes, nanowires, and their heterojunctions) with controlled diameter, orientation, and distribution; Growth of vertically aligned carbon nanotube films; Large-scale production of multi-walled and single-walled nanotubes through continuous chemical vapor deposition.
2. Assembly of nanomaterials into meso-scale organized three-dimensional architectures; Directed growth of nanotubes along predefined path for electrical and thermal interconnects.
3. Characterization of mechanical, thermal, electrical, and optical properties of aligned carbon nanotubes.
4. Applications of carbon nanomaterials in areas including electromechanical and optoelectronic devices, mechanical reinforcement and damping, thermal management, chemical adsorption and filtering, environmental and biological applications.

Dr. Cao received his Ph.D. in Mechanical Engineering in 2002 from Tsinghua University, P.R. of China. He received a National Annual 100 Outstanding Ph.D. Thesis of China award.

Dr. da Silva comes to Hawaii from Duke University where he received his Ph.D. in Mechanical Engineering this past summer. His B.S. and M.S. degrees in Mechanical Engineering are from the Federal University of Santa Catarina (Florianopolis, Santa Catarina, Brazil).

Dr. da Silva's research interests focus mainly on the theoretical and numerical optimization of thermal systems from macro to nano scales. He is author of over 20 papers in peer-referred journals, referee for several technical journals, recipient of three full scholarships (B.S., M.S. and Ph.D.) and an award for outstanding aca-

(continued on page 8)



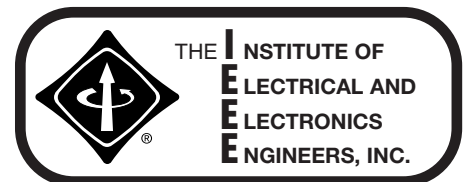
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SFPE HAWAII RECEIVES SILVER ACE AWARD

The SFPE Hawaii Chapter was one of 13 (out of a total of 55) chapters to receive either a gold, silver or bronze Award for Chapter Excellence (ACE) from the Society of Fire Protection Engineers. The award program evaluates chapters in several key areas including Membership, Technical Excellence and Education. The chapter received its award at the SFPE Annual Awards Banquet this past October 17.



IEEE Hawaii Section

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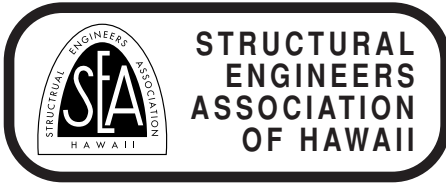
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Grant Torigoe (torigoe@ieee.org)	833-8889
Andrew Chiu (andrewc_hi@hotmail.com)	

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HIGHLIGHTS OF BOD MEETING

October 12, 2005

Corrections to Prior Highlights of BOD Meeting:

Correction to September 07, 2005 Highlights of BOD Meeting:

It was reported under New Business, Hurricane Retrofit Advisory Committee, that SEAHO was contacted by the State's Hawaii Insurance Division regarding the proposed formation of a Hurricane Retrofit Advisory Committee to develop recommendations for retrofitting of residential construction for hurricane preparedness and that a list of individuals with related background/ interest would be forwarded to Mr. Lloyd Lim of the Hawaii Insurance Division. It was also noted that the updating of the prescriptive recommendations for wind loads for residential construction "Tips Booklet" previously compiled and published by SEAHO had been discussed. The formation of a Hurricane Retrofit Advisory Committee and the updating of the SEAHO "Tips Booklet" will not occur. Instead, the Hawaii Insurance Division, Department of Commerce & Consumer Affairs, State of Hawaii, has issued a statewide procurement notice for Structural Engineers interested in drafting specifications for wind resistive devices and a safe room to be included in the State's wind resistive device grant program (see HRS article 431:22). More information can be found on the State's Procurement Office's website: <http://www4.hawaii.gov/bidapps/ShowBids.cfm>. To view the notice, look for it under the Category "Professional Services", and the Published Date of "10/12/2005". The deadline for submission of responses is 2:00 p.m. (HST) on November 07, 2005.

Committee Reports:

Membership Committee: Aaron Kam, Naval Facility Engineering Command, Pacific

Division, was accepted for SEAHO membership as an Associate Member.

2005 SEAHO Convention Committee: A Program of Events for the October 20-22, 2005 Cement and Concrete Products Industry of Hawaii (CCPI) & SEAHO Joint Annual Convention, Turtle Bay Resort, Oahu's North Shore, Hawaii, was distributed. A copy of the Program will be posted on the SEAHO website (www.seaoh.org).

It was also reported that the hotel workers' union, Local 5 Hawaii, has been calling and/ or sending letters to members of both SEAHO and CCPI requesting that the organizations boycott the Turtle Bay Resort due to a current labor dispute between the hotel workers and the hotel. A joint SEAHO/ CCPI letter addressing the situation but informing the attendees that the Convention will necessarily proceed as scheduled, will be provided to all Convention attendees and will be respectfully forwarded to Local 5 Hawaii.

SEAHO Nominating Committee: The nominating committee is finalizing its list of candidates for the 2006 SEAHO Board of Directors and will be sending out ballots to the membership shortly.

2005/2006 Calendar of Events:

October 17, 2005 Qrtly Meeting: "Hurricanes of 2005 – A Year of Unprecedented Destruction" (Speaker: Dr. Marc L. Levitan)

October 20-22, 2005 Convention: SEAHO/ CCPI Joint Convention

October 27-29, 2005 Convention: NCSEA Annual Convention, Kansas City, MO

November 22, 2005 Seminar: "Seismic Design of Concrete Structures" (Speaker: Mr. S. K. Ghosh)

Nov / Dec 2005 Site Visit: Moana Pacific (tentative)

December 03, 2005 Forum: "Masonry Construction Practices Forum"

First Quarter 2006 Qrtly Meeting: Light gauge steel plant tour (tentative)

January 10, 2006 Seminar: AISC "Steel Design After College"

January 21, 2006 Banquet: SEAHO Board of Directors Installation Banquet

February 24, 2006 Banquet: Engineer's Week Banquet

Third Quarter 2006 Seminar: AISC "2005 AISC ASD & LRFD Unified Manual"



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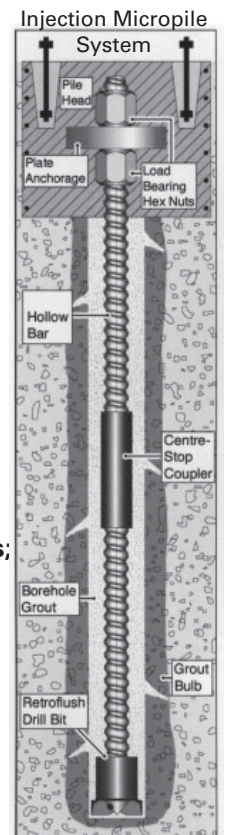
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ASME, from page 6

demic performance in 1997. He is currently teaching a graduate course (Convection Heat Transfer) and developing research partnerships.

BENEFITS OF ASME MEMBERSHIP – ASME GROUP TERM LIFE INSURANCE

In addition to the networking opportunity, discounts on professional development seminars, discount on shipping with FedEx, local tours and other great events, the most important benefit as a member of ASME Hawaii is the ASME Group Term Life insurance.

As mechanical engineers, we ensure that our designs and equipment are robust to endure the test of time. However, we also know that things will not last forever and incorporate measures to ensure a bright future for the next generation. That's why as a member of ASME – Hawaii Section, you not only gain the benefits of becoming part of a great professional society in a noble and prestigious profession, but also ensure that your family and future generations will be taken care of.

As a member enrolled in the ASME Group Term Life Insurance Plan, you join more than 25,000 of your fellow members and their families in becoming insured. ASME only endorses a competitive plan for its members – with affordable group rates. In fact, the ASME Group Term Life Insurance Plan is a great option for engineering professionals because the plan's budget-conscious group rates may be lower than those you could find on your own.

For example, at age 35, you are eligible for the following affordable monthly rate of \$5.01 for a \$100,000.00 protection option.

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Think about your designs and equipment...but most of all – think about your family. Become a member of ASME Hawaii Section and reap the rewards of membership.

For more information, email Raymond Liu at rliu192228@aol.com or visit www.asme.org.

ASME LIVE INTERACTIVE WEB SEMINARS OR WEBINARS

ASME is please to introduce live interactive Web seminars or webinars. Webinars offer members the following:

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Webinars coming soon in 2006 and relevant to practicing mechanical engineers in Hawaii and ASME Hawaii section members include:

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2. Liquefied Natural Gas
3. Fuel Cells

For more information or registration, visit <http://www.asme.org/education/disted/webinar.htm> or contact kungs@asmestaff.org.

GIVING THANKS IN THE MONTH OF NOVEMBER AND YEAR ROUND

With the recent events in the wake of Hurricane Katrina, earthquakes in South Asia, and other equally tragic events around the world, we have many things to be thankful during this holiday season. As ASME Hawaii sec-

tion members, the work that we do as professional mechanical engineers to improve the standards of living and ensure a prosperous economy are of utmost importance.

With the upcoming busy holiday season and the booming local economy, the ASME Hawaii Section officers would like to wish the members and their families a wonderful Thanksgiving Day and holiday season and reminds you to take the time to give thanks for what we have, not only during November, but also all year round.

ASCE YMF, from page 4

several awards. The Committee on Younger Members administers these awards. The Hawaii Section YMF is seeking nominations for the following National Younger Member Awards:

1. Collingwood Prize – Technical paper describing engineering work written exclusively by a younger member or younger members; one winner selected and paper will be published in an ASCE official publication.
2. Daniel W. Mead Prize – Ethics paper; national winner presents paper at Annual Conference; Certificates of Commendation may also be awarded.
3. Edmund Friedman Young Engineer Award for Professional Achievement – Recognizes overall professional achievement; up to five awards may be given each year.
4. Young Government Civil Engineer Award – Recognizes overall achievement in the government sector; minimum of five years of government service required; Certificates of Commendation may also be awarded.

If you are interested in submitting a nomination, please contact YMF Awards Committee Chair Lauren Ishima at lishima@hawaiiipacificengineers.com or at 808-440-8496. Nominations are due to Lauren no later than January 17, 2006. For more information on award criterion and award nomination forms visit the CYM website at <http://www.asce.org/inside/cym.cfm> or contact Lauren.

Each year, WRYMC recognizes outstanding achievements by Younger Members in ASCE's Zone IV. Zone IV consists of the states of Alaska, Washington, Idaho, Montana, Oregon, Utah, Nevada, Arizona, California and Hawaii. The Hawaii Section YMF is seeking nominees for the following WRYMC Awards:

1. Outstanding Young Civil Engineer in the Private Sector – Demonstrates leadership potential in private sector civil engineering.
2. Outstanding Young Civil Engineer in the Public Sector – Demonstrates leadership potential in public sector civil engineering; minimum of two years full-time in public service.
3. Outstanding Younger Member in ASCE Activities – Demonstrates outstanding leadership and participation in ASCE.
4. Outstanding Younger Member in Community Activities – Demonstrates outstanding leadership and participation in community service.

For additional information on award descriptions, requirements, and nomination forms please contact YMF Awards Committee Chair, Lauren Ishima at lishima@hawaiiipacificengineers.com or 808-440-8496. Nominations are

due to Lauren no later than December 1, 2005.

UH VOLLEYBALL SOCIAL

On Saturday, September 10th, YMF members along with their friends enjoyed a night of good food and drinks at Mago's Pizza and an exciting game of University of Hawaii volleyball at the Stan Sheriff Center. The seventh-ranked University of Hawaii Wahines defeated the tenth-ranked UCLA Bruins (24-30, 30-25, 30-24, 30-26).

A & E MIXED SOFTBALL LEAGUE

If you are interested in SLOW PITCH SOFTBALL, the ASCE YMF will be participating in the Architects & Engineers Softball Mixed League (Spring). This coed league will run from March to May 2006. Games are once a week, Monday, Tuesday, Thursday or Friday. Games are usually held at Aiea, Kamamalu or Cartwright. Please contact Stuart Ujimori (#220-4913 or ujimori@yahoo.com) if you are interested in playing.



http://www.geocities.com/hals_us

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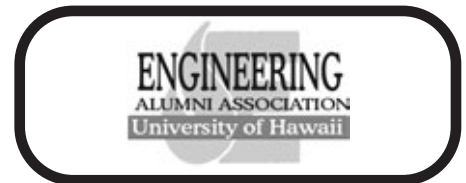
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EAH, from page 3

that has been established to coordinate the volunteer efforts within in Hawaii. The WEB site (<http://www.volunteerhawaii.org/>) serves as a type of clearing house for people to find places and services where they can volunteer their services. There are hundreds of opportunities listed for people who want to volunteer their time. The site is also tied to the "211" volunteer hot line number. This program was used as a model for coordinating recent effort for the Katrina hurricane.

September 23, 2005

President Gary Yamamoto, nominated Ardelan Nikou to the office of 2nd Vice President. Ardelan's enthusiastically agreed to the nomination and was unanimously confirmed by the membership. Ardelan has worked with Gary for over 20 years at M&E, Barrett Consulting, and now Earthtech. He has a BS in Architectural Engineering and a MS in Geotech/Civil. Ardelan said he was honored to serve.

Speaker: Anthony Chang, Chinese Chamber of Commerce.

Subject: "The Little Chinatown That Could". Tony Chang told us a bit about himself and his career, which included time in the State Legislature, attorney and a featured writer for Oceanic Cable Leisure around town as well as leading a walking tour through China Town. Tony explained that he uses his 'Lungtou' cane to shepherd his China Town tours. Tony, a fourth generation Chinese, talked about Honolulu's long history of Chinese heritage starting from just a few years after Captain Cook's discovery of the Sandwich Islands. Initially, Chinese immigration was by skilled and educated Chinese and was followed later by Chinese laborers. Hawaiian culture allowed for many mixed marriages, so many of Hawaii's Chinese families have old Hawaiian ties. Tony's talk can be heard at the EAH web site.

September 30th, 2005

Speaker: Sunny Massad, Ph.D., President and Founder of the Hawaii Wellness Institute

Subject: "Techniques for Dealing with Techno-Stress"

Dr. Massad gave us some very practical advice on how to reduce your levels of Techno-Stress. In today's world we have many labor saving devises, which have significantly reduced our physical labors, but the complexity of our lives has increase by several magnitudes. She explained how the left and right halves of our brains work. The right half pro-

cessing our emotions and creativity, while the left half deals with the technical side of things. She believes that in our hi-tech world today, the left half our brains are working overtime, while the right side is being used less and less. Part of the trick in reducing our stress levels is to get the right side of our brains working again. This is particularly important when you are trying to get to sleep and you have to get the left half to turn itself off. This can be difficult, because the left half of the brain is like a drug addict; it craves more and more techno information. She suggested watching TV until one falls asleep does not necessarily help, because the TV is actually keeping the left half of the brain active. The sound recording of this meeting will be posted to EAH's WEB site.



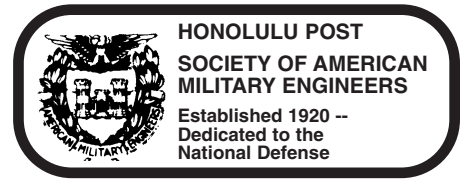
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ASCE OCEAA, from page 1

INTERSTATE ROUTE H-1 ZIPPER LANE EXTENSION

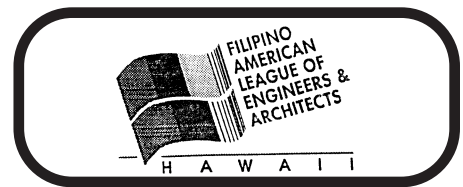
This project, nominated for the 2005 OCEA Award, provided a 3-mile extension of the existing contraflow ("zipper") lane on the Interstate H-1 to the existing Nimitz Highway contraflow lane. This resulted in a continuous 15-mile express route from Central and Leeward Oahu to downtown Honolulu for the benefit of thousands of morning carpoolers and bus riders. Using moveable barrier technology to reconfigure existing lanes allows for much more efficient use of existing facilities and accomplishes the two paramount goals of the project - to encourage ride sharing and to reduce overall congestion. The project also included construction of a new entrance into the zipper lane, allowing Pearl City and Aiea commuters to also access the high-occupancy vehicle lane. The project was designed for Hawaii Department of Transportation by Parsons Brinkerhoff Quade & Douglas, Inc.



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