



Hakulau

Spring 2009

Engineering On The Move...

Since Dean Peter Crouch arrived in July 2006, the University of Hawai'i at Mānoa College of Engineering continues to move forward under his excellent stewardship with key appointments, a new organizational structure, new faculty hires, new strategic partnerships and increases in private support. These accomplishments, coupled with a plethora of continuing initiatives, form important pieces of his long-term vision of creating a full-service, nationally ranked, research-driven engineering college that continues to be a vital workforce engine for the state. To see his vision and strategies, go to www.eng.hawaii.edu/about-us/mission-vision.

Here's a look at what's been going on at the College under Dean Crouch's leadership.

Major Accomplishments

- Completed a reorganization that included the creation of the Associate Dean for Academic Affairs, Associate Dean for Research, Director of Marketing and Public Affairs, and Senior Administrative Officer.
- Hired 12 new faculty. (see story)
- Jointly established a Department of Homeland Security maritime security center based at UH Mānoa, known as the National Center for Island, Maritime and Extreme Environment Security or CIMES. (see story)
- UH Board of Regents approval to establish a program fee for engineering students to purchase and upgrade much needed equipment and laboratory infrastructure.
- Organized a Fall Engineering Summit in September 2008 to discuss post-secondary opportunities necessary for integrated engineering and technology work force development. (see story)
- Developed a new program in computer engineering for UH Board of Regents approval.



Interim Assoc. Dean for Research Peter Mouginiis-Mark, Interim Assoc. Dean for Academic Affairs Bruce Liebert, former EE Chair Galen Sasaki and Dean Peter Crouch, are briefed about the Inside Machine Shop operations by General Foreman Bruce Morihara during their 2007 visit to the Pearl Harbor Naval Shipyard. U.S. NAVY PHOTO BY MARSHAL FUKUKI

- Published the *Centennial History of the College of Engineering: 1908-2008*, researched and written by historian Nancy J. Morris. Read it on-line at www.eng.hawaii.edu.
- Held a Centennial Homecoming Celebration that was attended by 600 alumni and friends, and raised \$150,000 for the College. (see story)
- Continued and enhanced the great engineering alumni traditions of the College, including the annual golf tournament and the highly successful Centennial banquet, which attracted over 1000 guests.
- Doubled usual rate of philanthropic giving. (see story)
- Established the Engineering Dean's Council in December 2007, comprised of 30 prominent community members, whose businesses and organizations have a vested interest in the growth of the College of Engineering. Currently, the Council is conducting a strategic analysis to determine the best niche to grow and strengthen the College.
- Strengthened economic development in the state through technical conferences brought to Honolulu by College of Engineering faculty. In 2007, five conferences netted an estimated \$43 million in visitor spending. In 2009, UH Mānoa plays host to the ASCE Student Competition and the IEEE Microwave Symposium returns to Honolulu in 2017.

Continuing Initiatives and Accomplishments

- Continued collaborations with the School of Ocean and Earth Science and Technology (SOEST) on a number of collaborative fronts. Most notably, the Hawai'i Space Flight Laboratory, that is slated to become the first U.S. college space launch facility. The program is under the direction of electrical engineering Professor Wayne Shiroma.
- Continued support of Act 111, enacted by the Governor and the Hawai'i State Legislature, in support of STEM education centered on innovative programs: Research Experience for Teachers (RET), Pre-Academy Robotics and the STEM Intercommunity Portal.
- Organized a K-12 workshop for Hawai'i teachers in conjunction with the American Society for Engineering Education (ASEE) annual meeting in Honolulu in 2007. Other supporting stakeholders included: the Department of Education, UH Mānoa College of Education, SOEST and the Department of Business, Economic Development and Tourism (DBEDT).

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A Message from the Dean

New Name, New Look...



Peter E. Crouch

Dear Alumni and Friends:

Happy New Year!

With the arrival of 2009, it gives me great pleasure to announce that after a two-year hiatus, the University of Hawai'i at Mānoa College of Engineering's alumni newsletter is once again rolling off the presses to keep you informed and up-to-date on our mission, happenings and continuing accomplishments originating from Holmes Hall.

We wanted to capture the essence of this special place we call home, in both our look and in our name. So we headed back to the drafting table and "re-engineered" the piece to reflect on our unique Hawaiian sense of place. We chose *Hakulau*, which means "to make drawings or plans." I think you'll agree that it captures the very spirit and essence of what engineers and our alumni undertake each and every day to make Hawai'i and the world a better place to live.

In our inaugural issue of *Hakulau*, we'll take a look back at our tremendously successful Centennial Homecoming Celebration and introduce you to our new faculty, including the return of a local boy done good – Assistant Professor Aaron Ohta. And since we've been out of touch for awhile, we'll give you a look at what's been going on with the College over the last two years. We hope you enjoy the issue.

Aloha!

Peter E. Crouch
Dean

Cont. from page 1

- Began collaborations with the Institute for Astronomy to improve free space communications with micro-electrical mechanical systems (MEMS)-based technology.
- Formed relationships with Oak Ridge National Laboratory and with universities in Japan, Taiwan, China, Korea and Singapore for research and academic collaboration.
- Began an integrated working collaboration with large military contractors with a presence in Hawai'i.
- Began discussions with the Pearl Harbor Naval Shipyard on work force issues.
- Initiated discussions on new educational programs within the College and externally with other colleges, including: construction management, MS/MBA with civil engineering, electric power, renewable energy and sustainability, and biomedical engineering.
- Established an agreement with the Shidler College of Business and the William S. Richardson Law School to create a UH Mānoa Entrepreneurial Center.
- Established the "Distinguished Lecture Series" to recognize distinguished scholars, researchers and policy makers to promote the College and its programs.
- Continued the hosting of seminars by visiting scholars to promote intellectual exchange and technical collaboration among faculty members and academic institutions.
- Established College retreats to discuss progress and new initiatives with faculty and senior staff members.
- Created a College Diversity Committee with regularly held meetings.
- Conducted the first College Climate Survey.
- Doubled the College's participation in the Aloha United Way campaign, including having the largest percentage increase in contributions at UH in 2006.
- Reorganized the physical structure and layout of the Dean's Office to create a more efficient work space and to create a welcoming environment for College visitors.



Engineering Dean's Council

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- Established an awards ceremony to recognize faculty and staff achievement and years of service to the College and community.
- Held annual recruiting fairs featuring up to 85 participating companies.
- Began cultivation of out-of-state alumni with events in Arizona and California.
- Established a retired faculty luncheon to cultivate relationships and to build tradition.
- The College continues its sponsorship of outreach programs, including: High School Internship Program, Engineering Day, Engineering Expo, Junior Engineering Expo, Engineering Open House and participation in school career fairs, visits and presentations.

New Homeland Security Center at UH Mānoa

The University of Hawai'i at Mānoa is now home to a new U.S. Department of Homeland Security (DHS) center of excellence, known as the National Center for Island, Maritime and Extreme Environment Security or CIMES.

"We are proud of the cooperation and collaborative efforts put forth by the vice president for research, the School of Ocean and Earth Science and Technology and the College of Engineering that made a DHS center based at UH Mānoa a reality," said Dean Crouch, chair of the CIMES advisory committee. "The studies that CIMES will be conducting are a natural complement to existing engineering and earth science programs at the university."

The mission of CIMES will be to perform basic research in areas that will improve safeguards vital to the protection of Hawai'i and the nation's coastal areas from terrorist threats and natural disasters. UH Mānoa was one of 11 universities selected from across the country to lead one of five centers to study issues related to homeland security. Under the agreement, UH Mānoa is eligible to receive a grant of up to \$2 million per year over the next four to six years.

CIMES is a partnership between UH Mānoa, the University of Alaska at Fairbanks and the University of Puerto Rico at Mayagüez. CIMES will work closely with the National Center for Secure and Resilient Maritime Commerce and Coastal Environments (CSR), a "sister" center headquartered at the Stevens Institute of Technology in Hoboken, New Jersey. CIMES

Celebrating A Century of Engineering in Hawai'i

About 600 alumni and friends of the University of Hawai'i at Mānoa College of Engineering gathered at the Stan Sheriff Center to celebrate its 100th anniversary in grand fashion on October 7, 2008, culminating in a \$150,000 donation to the College from its alumni and friends.

"A large portion of the generous monetary gift presented to the College will go toward the establishment of an endowment that will enable us to continue growing the tradition of alumni participation," said Dean Peter Crouch.

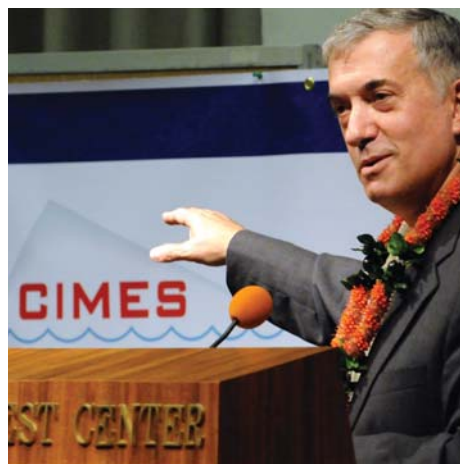
Guests were treated to a karaoke contest and gourmet creations from twelve renowned restaurants, including d.k. Steakhouse, Hiroshi Eurasian Tapas and Formaggio. The entertainment was punctuated by a rousing performance of Tina Turner's *Proud Mary* by UH Mānoa Chancellor Virginia Hinshaw, who even donned Turner's trademark mane. She was accompanied by her backup singers that included UH President David McClain, Warrior Head Football Coach Greg McMackin and Dean Crouch.

Ron Ho, event co-chair said, "The goal of this event was to bring back our alumni in celebration of 100 years of engineering at UH Mānoa and to create a stronger bond between alumni and the College."

Since its humble beginnings in 1908, more than 9,000 men and women have passed through the halls of the College on their way to earning engineering degrees. And more importantly, a large portion of the graduates have played a significant and direct role in the development of the state's infrastructure, economic diversification and improvements in the quality of life in Hawai'i.

"The best kept secret in our state for the past 100 years has been the UH Mānoa College of Engineering," said Bob Akinaka, event co-chair. "It has been quietly successful in educating generations of highly qualified engineers who have planned, designed and constructed much of the physical improvements in our state."

will also be working with the Maui High Performance Computing Center (MHPCC), the Pacific Disaster Center, the Hawai'i Ocean Observing System, Intelesense (California), the U.S. Coast Guard and relevant federal and state agencies.



DHS Under Secretary for Science and Technology Jay Cohen points to the bright future of CIMES at UH Mānoa. UH PHOTO



Alums Rep. Michael Magaoay and Sen. Norman Sakamoto proudly present their proclamations to Dean Peter Crouch.

Hakulau

Hakulau, "to make drawings or plans" in Hawaiian, is the newsletter for the College of Engineering at the University of Hawai'i at Mānoa. It is published twice a year by the Marketing and Public Affairs Office, 2540 Dole Street, Holmes Hall 240, Honolulu, Hawai'i 96822 and is circulated to the over 6,500 alumni and friends of the College of Engineering. If you have comments, suggestions, news, even an address change, please contact us at (808)956-7584 or e-mail hakulau@hawaii.edu.

College of Engineering

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The University of Hawai'i at Mānoa is an equal opportunity/affirmative action institution.

Fall Engineering Summit

A recent study conducted by the National Science Foundation indicating that the United States ranks 20th among all nations in the proportion of 24-year-olds earning degrees in natural sciences or engineering. Combined with international assessments indicating that among 15-year-olds, the U.S. ranked 28th in mathematics literacy and 24th in science literacy, it has become clearly evident that the U.S. is not preparing a sufficient number of students, teachers and professionals in the areas of science, technology, engineering and mathematics (STEM).

"Once a leader in STEM education, the U.S. now lags far behind other countries," said Dean Crouch. "It's becoming critical that actions are taken to stop this disturbing trend, not only in the mainland, but right here in Hawai'i."

In September of 2008, Dean Crouch organized a Fall Engineering Summit to bring together key stakeholders in Hawai'i's education arena to begin discussions on tackling this issue. Included were representatives from the Department of Education, neighbor island economic development boards, the business community and the University of Hawai'i, including UH Community College Vice President John Morton and UH Mānoa Chancellor Virginia Hinshaw.

The group spent the half day identifying the challenges and began brainstorming ideas on how to coordinate efforts. Future summits are planned.



Honolulu Community College Vice Chancellor for Academic Affairs Erika Lacro briefed Summit participants on the qualified workforce shortage in Hawai'i.

College Experiences Steady Growth in Private Support

In the last three years the College of Engineering has experienced a steady rise in private financial support, thanks in no small part to its loyal alumni and friends, a group that continues to grow with each academic year.

"If you look at the increase in activities at the College, from strong volunteer leadership to more outreach to industry, it's not surprising to see greater numbers of alumni and industry engaged with the College and its programs. To that end, we are very grateful as it only enhances the student experience," said Kerri Van Duyne, director of development.

An increase in scholarship support resulted in a total of 70 engineering students receiving \$138,825.93 in scholarships and awards for the 2007–08 academic year. Scholarship recipient Amber Imai, a Waiakea High School

graduate and student in the Native Hawaiian Science and Engineering Mentoring Program at the College of Engineering says, "I knew that I wanted to go into engineering, and the scholarships take away the stress of worrying about having to pay off any loans."

Snapshot of Fiscal Year 2007-08:

- Gifts and pledges totaled \$1.4 million, a 94% increase over the prior year.
- Program support:
 - ♦ 52% faculty and academic programs
 - ♦ 29% enrichment and research
 - ♦ 19% student opportunity and access
- 1,628 donors, up 29%.

Companies or individuals interested in making a donation to the College can contact Kerri Van Duyne at (808) 956-2299.

Thank You, Ron and Bob

Throughout the years, the College of Engineering has been fortunate to have the alumni support of Ron Ho and Bob Akinaka. Never was this more evident than with last October's successful Centennial Homecoming Celebration, co-chaired by the pair. The inaugural event attracted 600 alumni and friends and also raised \$150,000 for the College.

With the daunting task of organizing an event of this size for the first time complete with the ground work in place, both decided to turn the reins over to new leadership. Ho remains active in the College as a member of the Engineering Dean's Council and as head of the annual engineering banquet. Also a council member, Akinaka, a Stanford University graduate, continues to employ and cultivate young alumni leaders, such as current EAAUH President Matt Fujioka and past EAAUH President Marion Nakama.

"We at the College of Engineering are extremely grateful to Ron and Bob for their leadership in making our centennial a smashing success," said Dean Peter Crouch. "Although they will not be directly involved with our next homecoming event, we are fortunate to still be able to call on their guidance and advice in other areas related to the College."



Centennial Co-Chairs Bob Akinaka and Ron Ho take a break during the festivities. UH PHOTO

Three Honored at Centennial Banquet

Over 1000 alumni and friends celebrated the College of Engineering's Centennial banquet on Wednesday, April 16, 2008 at the Hilton Hawaiian Village's Coral Ballroom. Guest speakers were Edward Hirata (BSCE '56), former city and state director of transportation; Chris Davis (BSME '83), project manager of the engineering directorate at Kennedy Space Center; and Marian Nakama (BSCE '92), vice president of Akinaka & Associates, Ltd.

The evening was highlighted with the presentation of three special awards:

- **Distinguished Alumni Award:**

Ronald N.S. Ho (BSEE '67), president of Ronald N.S. Ho & Associates, Inc., for his exemplary leadership as a founding member of the College's advisory council and for creating an endowment to educate future engineers.

- **Outstanding Service Award:**

Reynold S. Kagiwada, director of advanced electronics in technology at TRW/Northrop Grumman Space Technologies, for his initiative in creating a strategic relationship between the company and the College.

- **Dean's Centennial Award:**

Donald C.W. Kim (BSCE '58), former chairman and CEO of R.M. Towill Corporation and former chair of the UH Board of Regents, for his many years of dedicated service to the College and the community.

Proceeds of over \$150,000 raised from the banquet were earmarked for the College's equipment fund to benefit the civil and environmental, electrical and mechanical engineering departments, as well as the Hawai'i Space Flight Laboratory.



Distinguished Alumni Award:
Ronald N.S. Ho



Outstanding Service Award:
Reynold S. Kagiwada



Dean's Centennial Award:
Donald C.W. Kim

Be sure to mark your calendar for this year's banquet scheduled for Thursday, April 16, 2009.

Recent Graduate Receives Top Co-Op Honors

Matthew Patterson, a recent electrical engineering graduate, was named the 2008 University of Hawai'i at Mānoa Cooperative (Co-op) Education Program Engineering Student of the Year at a special ceremony last November at Pearl Harbor Naval Shipyard (PHNSY).

With fellow co-workers and UH Mānoa representatives present, Patterson was presented the award by UH Mānoa Vice Chancellor for Students Francisco Hernandez and PHNSY Nuclear Engineering and Planning Manager James Kenny. Patterson, who was an engineering intern at the shipyard, received a plaque, a \$250 scholarship and the opportunity to move on to the national co-op competition.

William Law, a recent graduate in mechanical engineering, was recognized as a Co-op award nominee.

The Co-op program, sponsored by the UH Mānoa Center for Career Development and Student Employment (CDSE), is a nationwide work experience program that combines student academics and career interests with productive work experiences.

PHNSY has been a staunch supporter of the program since inception in 1986. Over the past nine years, about 100 engineering co-ops have been placed, with over 40 converted to full-time shipyard employees. Both Patterson and Law now work full-time for the shipyard.

For those interested in the Co-op program, call the UH Mānoa CDSE office at (808) 956-7007 or visit their website at <http://cdse.hawaii.edu>.

Morioka Honored by Pacific Business News



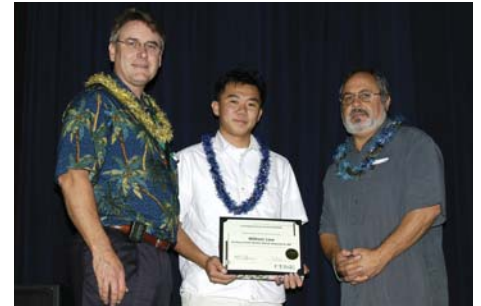
Brennon Morioka

Brennon Morioka (PhD CE '99) was honored last August by *Pacific Business News* as a member of the 2008 "Top Forty Under 40" class. The yearly award recognizes forty young business leaders under

the age of 40, who display a high degree of business acumen and sharp business-like approaches to efficiency and change. Awardees must also be committed improving their communities beyond the requirements of their job.

Morioka is currently serving as director of the state Department of Transportation, with oversight for the airports, harbors and highways division throughout the state. A graduate of Iolani School, Morioka received both his bachelors and masters of science degrees in civil engineering from the University of California at Berkeley.

No stranger to awards, Morioka was named 2001 Young Engineer of the Year by the Hawai'i Society of Professional Engineers, and twice received the Achievement Rewards for College Scientists Foundation, Inc. Scholarship in Engineering for being the top graduate student at the UH Mānoa.



Matthew Patterson (above) and William Law with co-presenters PHNSY Nuclear Engineering and Planning Manager James Kenny (left) and UH Mānoa Vice Chancellor of Students Francisco Hernandez.

U.S. NAVY PHOTO BY LIANE NAKAHARA

New Faculty

Under Dean Crouch, the College continues to see growth in its faculty. Since his arrival on the Mānoa Campus in 2006, the College has brought on board 12 new faculty members: two in Civil and Environmental Engineering, five in Electrical Engineering, four in Mechanical Engineering and one in the Hawai'i Space Flight Laboratory.

Civil and Environmental Engineering



Rajabipour

Assistant Professor **Farshad Rajabipour** holds a PhD in construction materials, an MS in construction engineering and management from Purdue University and a BS in civil engineering from the Sharif University of Technology in Tehran. His research includes the material sciences of concrete, sustainability of construction materials, non-destructive testing and health monitoring, and transport in porous media.



Yan

Assistant Professor **Tao Yan** holds a PhD in civil engineering from the University of Minnesota, his MS in environmental engineering from Tsinghua University in Beijing and a BS in environmental engineering from the Wuhan University of Technology. His research interests include environmental microbiology, molecular microbial ecology, environmental genomics, soil/sediment bioremediation, fate and transport of waterborne pathogens.

Electrical Engineering



Garmire

Assistant Professor **David Garmire** received his BS in both computer science and in mathematics from Carnegie Mellon University and a PhD in computer science from the University of California at Berkeley. His research interests include micro-electro-mechanical systems (MEMS), computer aided design (CAD) for MEMS, computer vision and computational biology.

research interests include the design, fabrication and application of microelectromechanical systems (MEMS), biomedical microdevices, microfluidics and optofluidics.



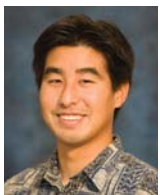
Liang

Assistant Professor **Yingbin Liang** received her PhD in electrical engineering from the University of Illinois at Urbana-Champaign in 2005. She was a Vodafone-U.S. Foundation Fellow from 2003-05. Her research interests include information security, wireless communications and networks, and information theory.



Santhanam

Assistant Professor **Narayana Santhanam** received his bachelor's of technology from the Indian Institute of Technology in 2000 and his MS and PhD degrees from the University of California, San Diego, in 2003 and 2006, respectively. His research interests include: statistical problems in biology, electrical engineering and computer science, information theory, statistical learning, signal processing and sparsity recovery, large alphabet problems, coding for communications, combinatorial and probabilistic problems.



Ohta

Assistant Professor **Aaron Ohta** received his BS degree from the University of Hawai'i at Mānoa, his MS degree from the University of California, Los Angeles, and his PhD degree from the University of California, Berkeley, in 2003, 2004, and 2008, respectively, in electrical engineering. He was a recipient of a National Science Foundation Graduate Research Fellowship, and a finalist in the National Collegiate Invention Competition for his graduate research activities. His



Zhou

Assistant Professor **Xiangrong Zhou** received his PhD in electrical engineering at the University of Maryland in 2008. He earned his BA in automation at Tsinghua University in China in 1999. From 2001 to 2004, he was a member of the technical staff at Hughes Network Systems in Maryland. His current research interests include embedded systems, computer architecture, hardware/software co-design and reconfigurable computing.

Mechanical Engineering



Bingham

Assistant Professor **Brian Bingham** comes to Mānoa from the Franklin W. Olin College of Engineering, where he also served as an assistant professor. Bingham received his BS degree in mechanical engineering from the University of Missouri – Rolla in 1996. He completed both his MS and PhD degrees in mechanical engineering from the Massachusetts Institute of Technology. He serves as a visiting scientist at the Woods Hole Oceanographic Institute's deep submergence lab.



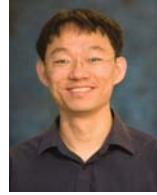
Ghorbani

Assistant Professor **Reza Ghorbani** earned his BS and MS degrees in aerospace engineering from the Sharif University of Technology in Tehran in 2000 and 2002, respectively. In 2008, he received his PhD in mechanical engineering from the University of Manitoba. Ghorbani is interested in renewable energy device design and applications, actuators and applied control, dynamics and robotics. He has over 25 reviewed papers, three patents pending and holds five international awards in robotics.



Miller

Assistant Professor **Scott Miller** earned his PhD in mechanical engineering from the University of Michigan in 2006. His research interests include: design and manufacturing of surgical instruments, medical devices, healthcare systems, biomedical engineering, friction stir welding and tribology.



Zuo

Assistant Professor **Yi Zuo** holds BS and MS degrees in mechanical engineering from the University of Science and Technology, Beijing. He received his PhD in mechanical and industrial engineering from the University of Toronto. His research interests include: biophysical properties of functional and dysfunctional lung surfactants, AFM study of phospholipids and protein films, development of axisymmetric drop shape analysis (ADSA) for studying bio-fluids, and experimental and computational thermo-fluids and bio-fluids.

Hawai'i Space Flight Laboratory



Sorensen

Specialist **Trevor Sorensen** holds BS, MS, and DE degrees in aerospace engineering from the University of Kansas. His expertise is in astronautics including: space system design, space mission operations, spacecraft autonomy, astrodynamics, satellite remote sensing, lunar missions, computer applications and spacecraft ground segment. He assisted NASA flight directors on the early shuttle flights.

Help Us Grow!

Make a gift to the UH Mānoa
College of Engineering

Call (808) 956-2290 or visit
www.eng.hawaii.edu/invest-in-the-college



Of Note....



Ever wondered about what became of your College of Engineering classmates? Here's a list of some of our notable alumni and where they are today.



Michael Chun



Kelli Goodin



David Ige

- **John Arizumi** (BSME '68, MSME '71) president, Carrier Hawai'i
- **Sam Callejo** (BSCE '65) recently retired UH vice president for administration, former state comptroller
- **Michael Chun** (BSCE '66) president and headmaster, Kamehameha Schools
- **Kelli (Saito) Goodin** (BSME '84) vice president and COO, Pukoa Scientific
- **Kazu Hayashida** (BSCE '56) former state transportation director; former manager/chief engineer, Honolulu Board of Water Supply
- **Ken Hayashida** (BSCE '84) president, KAI Hawai'i
- **David Ige** (BSEE '79) representative, State of Hawai'i Legislature
- **Beverly Ishii-Nakayama** (BSCE '80) principal, Shigemura Lau Sakanishi Higuchi & Associates
- **Michael Kimura** (BSCE '59) developer, president, CMKLV, Inc.
- **Robert Lee** (BSME '71) adjutant general, State of Hawai'i Department of Defense
- **Shyue-Ching Lu** (PhD EE '76) chairman, Chunghwa Telecom, Taiwan
- **Michael Magaoay** (BSEE '76) representative, State of Hawai'i Legislature
- **Orville Magoon** (BSCE '51) president, Coastal Zone Foundation (CA)
- **Michael Matsumoto** (BSCE '67) president/CEO, SSFM International, Inc.
- **Sumner Matsunaga** (BSCE '82) chief engineer, The Aerospace Corporation (CA)
- **Clayton Mimura** (BSCE '71) president, Geolabs, Inc.
- **Wallace Miyahira** (BSCE '54) former president and CEO Castle & Cooke Homes Hawai'i, Inc., former city public works director
- **Glenn Nohara** (BSCE '73) president, Koga Engineering
- **Sheryl Nojima** (MSCE '80) principal, Gray, Hong, Nojima & Associates, Inc.
- **Norman Sakamoto** (BSCE '69) senator, State of Hawai'i Legislature
- **Richard S.H. Wong** (BSCE '61) developer, president, Royal Hawaiian Shopping Center
- **Russell Young** (BSCE '73) president, Albert C. Kobayashi, Inc.

Fall '08 Convocation



John Katahira

It was standing room only at Keoni Auditorium at the East-West Center as families and friends gathered to give their well-wishes to graduates at the Fall 2008 UH Mānoa College of Engineering Convocation on December 19.

The 70 participating graduates were treated to a humorous, but inspirational address delivered by guest speaker John Katahira (BSCE '93), president and principal-in-charge of The Limtiaco Consulting Group, Inc. Matt Fujioka (BSCE '99), president of the Engineering Alumni Association of the University

of Hawai'i, closed the formal program with a greeting to the recent graduates.

In keeping with the College's tradition, the outstanding student awards were presented to a student in each of the three disciplines: Seth Goodnight, civil and environmental engineering; Andrew Igarashi, electrical engineering; and Randon Kimura, mechanical engineering.



Dean Crouch addresses a standing-room-only crowd of graduates, faculty, family and friends.

Calendar of Events

Spring Career Day
February 25, 2009

**FIRST Robotics
in Hawai'i Regional**
March 26-28, 2009

**ASCE Pacific South West
Regional Conference**
April 2-4, 2009

Open House
April 4, 2009

Engineering Banquet
April 16, 2009

Engineering Convocation
May 15, 2009

Summer High School Internship
June 15 to July 24, 2009

For more information about upcoming College of Engineering events, please visit www.eng.hawaii.edu/events.



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