

EQUADRANGLE

UNIVERSITY OF HAWAII LIBRARY

A Newsletter
for
Alumni and Friends

Fall 2004

FEATURES

- 1 Dean Chen Appoints Associate and Assistant Deans
- 2 2004 COE High School Internship
- 4 COE Annual Dinner
- 6 2004 Alumni Association Golf Tournament
- 10 Noelani Outreach Program
- 12 Spring 2004 Graduates

DEPARTMENTS

- 8 Faculty News

The QUADRANGLE is published three times per year by the College of Engineering. It is named after the College's first four one-story concrete structures built in 1928.

Dean

Wai-Fah Chen

Associate Dean

Vassilis Syrmos

Assistant Dean

Song K. Choi

Department Chairs

H. Ronald Riggs (CEE)

Galen Sasaki (EE)

Bruce Liebert (ME)

Editor

Marvin Nitta

HAWN
TA
1
.Q33

Dean Chen Appoints Associate and Assistant Deans

AFTER AN EXTENSIVE SEARCH, Dean Wai-Fah Chen appointed Electrical Engineering Professor **Vassilis Syrmos** as the Associate Dean and Mechanical Engineering Assistant Professor **Song K. Choi** as the new Assistant Dean.

Dr. Syrmos joined the Electrical Engineering Department at the University of Hawai'i in 1991 as an Assistant Professor. He came to UH from the Georgia Institute of Technology, where he earned his Ph.D. For the past year, he has served as the Interim Associate Dean for the College.

"As the interim Associate Dean over the past year, Dr. Syrmos has contributed greatly to our college's research programs, managing facilities and space, and coordinating personnel and fiscal functions," says Dean Chen. "Now that we have our 2004 to 2006 strategic plan in place, it is important for us to see this plan implemented in a timely manner. This includes a significant increase of our graduate enrollment, especially the Ph.D. students, a steady increase of our research funding, a continuing improvement of our physical infrastructure, and the development of new programs, such as the proposed biomedical engineering program in the College. Dr. Syrmos' appointment



Vassilis Syrmos



Song Choi

"Dr. Syrmos has contributed greatly to our college's research programs, managing facilities and space, and coordinating personnel and fiscal functions. . . Dr. Choi's past experiences and current involvements in our College's activities have clearly demonstrated that he can and will make significant contributions. . ."

—DEAN WAI-FAH CHEN

will help our College to realize this vision quickly."

Dr. Choi received his Ph.D. in Mechanical Engineering from the University of Hawai'i in 1995. He earned his B.S. in Mechanical Engineering from Worcester Polytechnic Institute and his M.S. in Mechanical Engineering from Carnegie-Mellon University. Dr. Choi also serves as Associate Director (Acting Director) of the Autonomous Systems Laboratory.

Dr. Choi succeeds Electrical Engineering

Assistant Professor Tep Dobry, who now serves as the Director for Student Advising.

"Dr. Choi has been closely involved in our recruiting program in recent years, especially his significant contributions in almost doubling the enrollment of our Mechanical Engineering Department," says Dean Chen. "Our strategic plan calls for significant opportunities for our undergraduates to participate in research, improved retention of our undergraduate students, enhanced interaction among students, faculty, and staff, and the heightened visibility of our College's successes to the community. Dr. Choi's past experiences and current involvements in our College's activities have clearly demonstrated that he can and will make significant contributions to achieve these goals." 



In its short existence, the internship program has seen much growth. In its inaugural year in 2001, the internship started with three high school students. This year, twenty high school students were accepted into the program.

These students were spread out among the three engineering disciplines at the College of Engineering.

Reid Ginoza from Pearl City High School worked with Mechanical Engineering **Professor Mehrdad Ghasemi Nejjhad** in the Composite Manufacturing Laboratory. His internship focused on learning CAD software, such as Inventor & Satellite Tool Kit, working on composites manufacturing plates, and building a wooden support frame for a satellite thrust vector control test bed.

2004 College of Engineering High School Internship

AT THE COLLEGE OF ENGINEERING IT ISN'T UNUSUAL to find *college students* working on projects dealing with robotics, traffic simulation, circuits, water quality, composite materials, corrosion, tsunami simulation, and concrete construction.

What may seem unusual is seeing *high school students* at the College of Engineering working on projects dealing with robotics, traffic simulation, circuits, water quality, composite materials, corrosion, tsunami simulation, and concrete construction.

However, that is exactly what happened this summer at the College, thanks to the College of Engineering High School Internship Program.

In its fourth year, the internship program is an opportunity for accepted high school students to experience engineering research at the collegiate level. The students are placed in areas that they are interested in and are mentored by faculty, researchers, and engineering students.

"I think the most enjoyable part of my internship was working with the people at the lab. They were all very kind and considerate to me. It was through their advice and teaching that I learned so much about engineering."

—RACHEL TSUNEMOTO

Chester Lim from McKinley High School and **Jasmin Lafradez** from Pearl City High School worked with Electrical Engineering **Associate Professor Olga Boric-Lubecke, Ph.D.** candidate **Raghuraj Shahapurkar**, and M.S. candidate **Ivy Lo**. Chester learned the basics of device physics, including demonstrations of simulation software such as PSPICE and Cadence. He was also introduced to oscilloscopes, power supplies, signal or function generators and their applications.

Jasmin worked in the inclusion of parasitics from the chip package into the schematic of



“The thing I most valued in my experience was being able to work with college students and a college professor. The whole experience—just having an internship at a college I aspire to attend, is valuable for me.”

—JENNIFER ABAYON

Left - Rachel Tsunemoto at one of the corrosion testing stations.

Above - The Autonomous Systems Laboratory interns work on their programming.

Below - Reid Ginoza working with an ME student.

circuits, simulation of those circuits in ADS (Agilent Design Systems), and determination of the affects on performance of those circuits.

Michael Ching from Mililani High School and **Rachel Tsunemoto** from Kaiser High School worked in the Corrosion Lab with Mechanical Engineering **Associate Professor**

Lloyd Hihara and researcher **Ryan Sugamoto**. They were involved with developing and conducting galvanic corrosion experiments, determining corrosion rates of galvanic couples and predicting time of failure. They also installed and monitored corrosion sensor prototypes at the Coconut Island and Lyon Arboretum outdoor test sites.

“I think the most enjoyable part of my internship was working with the people at the lab,” said Rachel Tsunemoto. “They were all very kind and considerate to me, which made me feel like I was part of the lab. It was through their advice and teaching that I learned so much about engineering. Overall, my experience wouldn’t have been as enjoyable if it weren’t for them.”

Sherwin Gao and **Toru Kumagai** from Kalani High School, and **David Zhang** from Moanalua High School worked with Civil and Environmental Engineering **Associate Professor Chittaranjan Ray** and researcher **Bunnie Yoneyama** in the Environmental Engineering Laboratory. They evaluated a new wastewater technology called membrane bioreactors by analyzing the effluent from the unit for standard water quality parameters.

Brothers **Kuei-Chiao Wang** and **Wu-Chia Wang** from Moanalua High School, along with **Daniel Chen** from Kalani High School worked with CEE **Associate Professor Michelle Teng** and Ph.D. candidate **Edison Gica** in the Hydraulic Laboratory. Their work focused on assisting with Pacific Basin earthquake risk calculations. In addition, interns worked on AutoCAD drafting to design a small ocean basin in the laboratory for simulating wind-generated and earthquake-generated waves and their propagation.

Kevin Luu from Maryknoll High School, **Christopher Bushaw** from Aiea High School, and **Shotaro Nagamine** and **Jessica Yee** from McKinley High School worked with ME **Assistant Professor Song K. Choi** and researcher **Giacomo Marani** in the Autonomous Systems Laboratory. These four worked on under-water manipulator programming and testing. They also learned

—continued on page 8



College of Engineering Dinner



ME Department Chair Bruce Liebert, Acting UH President David McClain, Dean Wai-Fah Chen, and ME graduate Kurt Boehm.

Graduate student Gaur Johnson discusses the research he's working on.

IN ITS FOUR-YEAR EXISTENCE, THE ANNUAL COLLEGE OF ENGINEERING DINNER HAS CREATED A PARTNERSHIP that has benefited both the College and the engineering industry. It has been successful in allowing those in the engineering industry to get to know the College of Engineering.

The dinner also significantly benefits the students of the College. It is a chance to showcase their projects

and research. It is also an opportunity for them to meet and interact with members of the engineering industry. Also, the money raised at the dinner has helped purchase equipment that will be used for instruction in the classrooms and laboratories.

The College would like to thank all of those who made this year's College of Engineering Dinner a success. 🌐

Thank you to our generous sponsors:

PLATINUM SPONSOR

Raytheon

GOLD SPONSORS

- Albert C. Kobayashi, Inc.
- Beachside Roofing, LLC
- Dorvin D. Leis, Inc.
- Hawaiian Dredging/Kajima
- Jas. W. Glover
- Koga Engineering
- R. M. Towill Corporation

SILVER SPONSORS

- Actus Lend Lease
- Controlpoint Surveying
- Engineers Surveyors Hawaii
- First Hawaiian Bank
- Grace Pacific Corp.
- Geolabs
- M & E Pacific
- Park Engineering
- Robison Construction Group
- Ronald N.S. Ho & Associates
- Royal Contracting

BRONZE SPONSORS

- Acutron
- AES Hawaii
- Akinaka & Associates
- Ameron
- Austin Tsutsumi
- Bank of Hawaii
- Belt Collins Hawaii
- Carrier Hawaii
- Castle & Cooke
- City Bank
- Community Planning Inc.
- Delta Construction Corp.



BANQUET COMMITTEE

Ron Ho, EE '67, MSEE '68

Banquet Committee Chair

Wai-Fah Chen

Dean, College of Engineering

Mark Fukeda

Director of Development, COE

Kazu Hayashida, CE '56

Kendall Hee, CE '82

Magdy Iskander

Director, HCAC

Bruce Liebert

Chair, ME Department

Clayton Mimura, CE '71

Wally Miyahira, CE '54

Randy Murayama, ME '67

Glenn Nohara, CE '73

Todd Reed

Chair, EE Department

Ron Riggs

Chair, CEE Department

Russell Young, GE '73

Above - The College of Engineering Dinner is an opportunity to mingle with others in the engineering industry.

Left - Dr. Audra Bullock talks about how lasers work to a young woman.

Dick Pacific Construction
 Earth Tech
 EKNA
 Electricians, Inc.
 Engineering Alumni Assn. of UH
 Engineering Concepts
 Engineering Solutions
 Esaki Surveying & Mapping
 Fukunaga & Associates
 Gentry Homes
 Group Builders
 Hawaii Pacific Engineers
 Hawaiian Cement

Hawaiian Electric
 Healy Tibbitts Builders
 Jayar Construction
 JD Painting & Decorating
 KAI Hawaii
 King & Neel, Inc.
 KSF, Inc.
 Lockheed Martin ORINCON Defense
 Mark Development
 Marsh USA
 Oceanit
 Ono Construction
 Parsons Brinckerhoff

Ralph S. Inouye Co.
 Randolph Murayama & Assoc., Inc.
 Rocky Mountain Prestress
 S & M Sakamoto
 Safety Systems
 Sato & Associates
 Shigemura, Lau, Sakanashi,
 Higuchi & Assoc.
 T. Iida Contracting
 Wasa Electrical Services
 WE Painting
 Wesley R. Segawa & Associates

Annual Golf Tournament



THIS YEAR'S ENGINEERING ALUMNI ASSOCIATION ANNUAL GOLF TOURNAMENT was held at Pearl Country Club on July 30, 2004. The 232 players helped raise over \$9,000 to provide six scholarships for College of Engineering freshmen.

Ken Tatsuguchi (*CE, 1988*) won the Dean's Perpetual Trophy with a low net of 60. The President Fujio Matsuda Trophy was awarded to alumni from the *class of 1988* - **Mark Hiraoka** (*CE*), **Darin Okuda** (*CE*), and **Ken Tatsuguchi** (*CE*) - for an aggregated low net of 184. 🏆



Above - 232 players participated in this year's tournament.

Right - Low net winner, Ken Tatsuguchi with the Dean's Perpetual Trophy.

**UNIVERSITY OF HAWAII
AT MĀNOA
COLLEGE OF ENGINEERING**

DONOR REPORT 2003-2004

This report acknowledges all donors from July 1, 2003 to June 30, 2004. We have made very effort to report each donor name as accurately as possible. Please inform us of any errors so that we can promptly update our records. Some alumni and friends who support other UH colleges are recognized through publications of those colleges. If you want to support the College of Engineering, please indicate so on your next gift.

Message from the Dean

Dear Alumni and Friends,
We are very grateful for your continued support. The 2003-2004 fiscal year was an eventful one with the hiring of new faculty and the search for permanent associate and assistant deans. I am pleased to report that we have hired six new faculty (two in electrical engineering and four in mechanical engineering). And as reported in our newsletter, the appointments of Dr. Vassilis Syrmos as Associate Dean and Dr. Song Choi as Assistant Dean have been confirmed and I welcome them to our staff. Dr. Tep Dobry, who has been the interim Assistant Dean, will continue to serve as an academic advisor.

Our continuing efforts to increase our enrollment have been successful—our enrollment over the last five years has steadily increased. In the fall of 2000, our undergraduate plus graduate enrollment was 705. This fall, our total enrollment is 898, which is a 27% increase. We are extremely encouraged by this increase and thank you for supporting the activities that have resulted in a larger enrollment.

We also want to support our current students with more scholarships, internships, funds for student engineering projects, and other activities that can enhance their learning experiences. The College has received several new scholarships and also has the continuing support from companies and individual donors. Our students are grateful for your contributions.

Our College underwent an accreditation visit last fall. We are fully accredited in all three departments until 2010.



We've completed a two-year strategic plan that will help the College attain its goal of becoming one of the premier engineering schools in the nation. You can read the plan on our website at <http://www.eng.hawaii.edu/COE/stratplanforweb.pdf> and contact me with any comments you may have.

Our accomplishments are, in part, made possible with your support. We will continue to grow and have a stronger program with your encouragement. Should you have any ideas or concerns, please feel free to email me at chenwf@eng.hawaii.edu or call me at (808) 956-7727. I welcome your ideas and suggestions.

On behalf of the entire College of Engineering, thank you for your continued strong support. Our best wishes for the upcoming holiday season.



Wai-Fah Chen
Dean

P.S. The recent flash flood in Mānoa Valley damaged more than 35 buildings on the Mānoa campus. We are extremely fortunate not to have sustained any damage to our College facilities.

2003-04 COLLEGE OF ENGINEERING DONORS

July 1, 2003 - June 30, 2004

CORPORATE DONORS

A-1 A-Lectrician, Inc.
A & C
Actus Lend Lease, LLC
Acutron Co., Inc.
AES Hawaii, Inc.
AES Kalaeloa Venture, LLC
Akinaka & Associates, Ltd.
Alaka'i Mechanical Corporation
AMD Matching Gifts Program
Amer. International Group, Inc.
American Society of Mechanical Engineers
Ameron International
APIC Corporation
Austin, Tsutsumi & Associates, Inc.
Ball Corporation
Bank of America
Bank of Hawaii
Beckman Coulter, Inc.
Belt Collins Hawaii, Ltd.
The Boeing Company
Bow Engineering & Devel., Inc.
Cadence Design Systems, Inc.
Carrier Hawaii
Castle & Cooke Homes HI, Inc.
Cedric D.O. Chong & Assoc., Inc.
Cement & Concrete Prod. Ind.
Central Intelligence Agency
CH2M Hill Foundation
Chevron Texaco
City Bank
Community Planning, Inc.
Consulting Structural Hawaii, Inc.
ControlPoint Surveying, Inc.
C. Ino Design
S.S. Dannaway Associates, Inc.
Delta Construction Corporation
Dick Pacific Construction Co., Ltd.
The Earth Technology Corp.
ECS, Inc.
T. Eki, Inc.
EKNA Services, Inc.
Electricians, Inc.
Enchanted Island Studio
Engineering Alumni Assn. of UH
Engineering Concepts, Inc.
Engineering Solutions, Inc.
Engineers Surveyors Hawaii, Inc.
First Hawaiian Bank
Fong & Fong, Attorneys-at-Law
Fukunaga & Associates
Randal S. Furomoto & Associates
Dr. Gabriel Wai Chiu Ma, Inc.
Gentry Homes, Ltd.
Gentry Investment Properties
Geolabs, Inc.

George M. Oye, Inc.
Grace Pacific Corporation
Graham Builders, Inc.
Group Builders, Inc.
Haron Construction, Inc.
Hawaii Pacific Engineers, Inc.
Hawaiian Cement
Hawn. Dredging Construction Co.
Hawaiian Electric Company, Inc.
Hawn. Dredging/Kajima-JABSOM
Healy Tibbitts Builders, Inc.
Ernest K Hirata & Associates, Inc.
Ronald N.S. Ho & Associates, Inc.
T. Iida Contracting, Ltd.
Images in Ice
Ralph S. Inouye Company, Ltd.
Island Pacific Distributors, Inc.
Iwamoto & Associates, LLC
Jas. W. Glover, Ltd.
Jayar Construction, Inc.
J.D. Painting & Decorating, Inc.
Kagimoto & Associates
KAI Hawaii, Inc.
Kaikor Construction Co., Inc.
KFC Engineering Mgmt., Inc.
Kiewit Pacific Company
King & Neel, Inc.
KN Consulting Services, Inc.
Knapp Engineering, Inc.
Albert C. Kobayashi, Inc.
Koga Engineering & Construction
KSF, Inc.
Colin K. Kurata, Attorney-at-Law
L L & Associates
Dorvin D. Leis Company, Inc.
Lemke, Chinen & Tanaka, CPA, Inc.
Limiaco Consulting Group, Inc.
Lincolne Scott, Inc.
Mark Development, Inc.
Marsh USA, Inc.
Maryl Pacific Construction, Inc.
Master Sheet Metal, Inc.
Mechanical Engineers of HI Corp.
Mega Construction, Inc.
Metcalf & Eddy
Mink & Yuen, Inc.
Mitsubishi Electric Corporation
Law Office of Shuichi Miyasaki
MK Engineers, Ltd.
Moss Engineering, Inc.
Randolph H. Murayama & Assoc., Inc.
M&E Pacific, Inc.
Nagamine Okawa Engineers, Inc.
Netjadu, Inc.
Northrop Grumman Space Tech.
Notkin Hawaii, Inc.
Oceanit Laboratories, Inc.

Wallace T. Oki, P.E., Inc.
Okumura, Takushi, Funaki & Wee
Orincon Corporation, Int'l.
Pacific Energy Strategies, LLC
Palmdale Car Wash
Robert K. Pang, Structural Engr.
ParEn, Inc.
Parsons Brinckerhoff Grp. Admin. Inc.
Quddus Service
RAM Corporation
Raytheon Company
Robison Construction, Inc.
Rocky Mountain Prestress
Ron's Construction Corporation
Royal Contracting Company, Ltd.
Safety Systems Hawaii, Inc.
SAMPE
Sato & Associates, Inc.
Wesley R. Segawa & Assoc., Inc.
Shigemura, Lau, Sakanashi
Troy T. Behrens
Sinclair Drywall
SSFM International, Inc.
Steve Fong Scholarship Golf Tournament
Structural Engineers Assn. of HI
S & M Sakamoto, Inc.
Teledyne Controls
Timberland Hawaii
R.M. Towill Corporation
Warren S. Unemori Engr., Inc.
Unified Enterprises Corporation
Van Horn Aviation, LLC
Wasa Electrical Services, Inc.
WE Painting, Inc.

FOUNDATIONS

Bank of America Foundation, Inc.
Beavers Charitable Trust
Larry & Beatrice Ching Fdn.
The Cleveland Foundation
Hawaiian Electric Industries Charitable Foundation
IBM International Foundation Matching Grants Program
Intel Foundation
Johnson Controls Foundation
The A.C. Kobayashi Family Foundation
Lockheed Martin Corp. Foundation
Northrop Grumman Foundation
Richard & Grace Okita Foundation
Verizon Foundation

IN MEMORY OF . . .**Dr. Hi Chang Chai****Dr. Deane Kihara****Mr. William Morton**

Anonymous

Mr. Kwan You Chang

Ellen K. Chang

IN HONOR OF . . .**Mr. Richard T. Aoki**

Tammie N. Aoki

INDIVIDUAL DONORS

Alfred M. Abe

Iris Y. Abe

Richard S. Abe

Roy K. Abe

Sadako Aburamen

Athán K. Adachi

Darrell T. Adachi

Alison Agapay

Alejandro A. Agrap, Jr.

Joseph A. Ah New, Jr.

Herbert Ah Yo, Jr.

Glenn G. Ahuna

Robert K. Ajitomi

Linda T. Akana

Kelvin K. Akazawa

Corynne Akitake-Telles

Clyde F. Akita

Satoru Amaki

Bryan M. Amano

Ronald N. Amioka

Ronald W. Anderson

Gerald D. Andrade

Dale C. Andres

Bert H. Anzai

Brian T. Aoki

Roger Aoki

Stanley M. Aono

Kazuyuki & Betty K. Arakaki

Morris A. Arakaki

Stanley Tetsuo Arakaki

Blake M. Araki

Terry T. Aratani

Cline D. Ardo

Paul Arigo

Jennifer Ayano Arinaga

Lloyd K. Arisumi

David K. Arita

Michael H. Arita

Thomas I. Arita

Alice Ariyoshi

Reed M. & Dyan M. Ariyoshi

John L. Arizumi

Thomas E. Arizumi

Stacy K. Armstrong

Clay Y. Asato

George Y. Asato

Randall R. Asato

W.J. Atkinson, Jr.

Glenn K. Atta

Gail W. Atwater

Chad C.F. & Connie Au

Donna A.K. Au

Roland Y.C. Au

Warren H.T. Au

Donald S. Austin

Pamela K. Awada

Wendell S. Awada

Ivan Y. Awa

Caroline E. Aylward

Keith M. Baba

Editha E. Baguio

Desi Balisacan

Eugene M. Ban

Joseph B. Barboo

Jacques M.A. Bargiel

Martin E. Barney

Emilio Barroga, Jr.

Glenn G. Barut

Iris S. Baucom

Tom W. Beck

Teresita B. Beltran

Robert D. Bender

Jerold Bernal

Walter A. Billingsley

William A. Bonnet

Peter J. Boucher

David M. H. Bow

Kevin P. Bowen

Juanita M. Buckley

William Cabanlit, Jr.

Sam Callejo

Tommy A. Camarillo

Edward F. Campbell, Jr.

Alfredo Carbonel, Jr.

Alina W.S. Cayetano

Glenda C. Ceria

Freddie C.S. Chan

Nestor P. Chan

Phillip C. Chan

Po L. Chan

Sheung Chi Chan

Wai Lik Chan

Audie K. Chang

Bei-Jiann Chang

Brian M.C. Chang

David J.W. Chang

Edmund W.K. Chang

Ellen K. Chang

John Y. C. Chang

Kwan You & Ellen K. Chang

Linford M. S. Chang

Mabel C.H. Chang

Michael J. Chang

Timothy Te-ming Chang

Wesley H.P. Chang

William C.F. Chang

Boonthai Chantavy

Aileen K. Char

Chin-Long & Sue Y. C. Chen

Wei Chen

Clifford K.W. Cheng

Dora T. Cheng

Dr. Edmond D.H. Cheng

Theodora Cheng

Wilfred Y.K. Chin

Delwin P.K. Ching

Eddie K.H. Ching

Florence M. Ching

Gilbert T.C. Ching

Jimen Ching

Arnold Ching, Jr.

Norman Y.S. Ching

Stephen Tai Chong Ching

Salwyn S. Chinn

Richard M. Chiogioji

Kenneth D.H. Chong

Rodney S. Chong

Walter G.C. Chong

Leonard K.W. Chow

Calvin C. W. Choy

The Honorable Simon A. Chrein

Lester K.W. Chu

Adalina J.I. Chun

Andrew Tai Ming Chun

Carl S. P. Chun

Delo K.K. Chun

Denise M.T.W. Chun

Gary W. C. Chun

Gordon G. T. & Edna S. L. Chun

James Y.T. Chun

Kam W. Chun

Laura Y. Chun

Patrick P.H.H. Chun

Russell S.H. Chun

Stephen Y.F. Chun

Tit Mun Chun

Nelson H.L. Chung

John F. Colburn VII

Geneson Coloma

Richard H. Cox

Philip S. T. Dang

George S. Darrell

John T. DeWolf

Aihao Ding

Antonio Distajo, Jr.

Gordon L. Dugan

John Dupuis

Mark K. Ebesu

Derrick C. Elfalan

Howard K. Endo

Pedro S. Eugenio, Jr.

Gladys A. Ewart

Uson Y. Ewart

Yen Wen Fang

James R. Fei

John R. Fenn

Russell Figueiroa

Ronald E. Fitch

Albert J. & Midori I. M. Fobel

Dr. Yu-Si Fok

Rendell K. Fong

Sui Yee Fong

Tenneyson Q.Y. Foo

William E. Forsyth
Jon K. Fo
Neil S. Fujii
Richard M. Fujii
Samuel T. Fujikawa
Alan Y. Fujimori
Akira Fujimoto
R.K. Fujimoto
Myles N. Fujinaka
Yoshie H. Fujinaka
Joanne M. Fujioka
Ranold I. Fujioka
Richard Y. Fujita
Mark H. & Marcia Lee Fukeda
Michael A. Fuke
Stephen M. Fukuchi
Harold T. Fukuda
Howard Y. & Ellen H. Fukuda
Kalani M. Fukuda
Lester H. Fukuda
Gregory S. Fukumitsu
Denis Fukumoto
Neal S. Fukumoto
Paul S. Fukunaga
Eric K. Funasaki
Gary I. Funasaki
Francis T.P. & Gwen C. Fung
Jay Y. Furukawa
William L. Gacutan
Maribel D.S. Gali
Edgar P. Gamiao
Amy H.T. Ganiko
Anthony D. Gaston
Nathan H. Gellert, III
Virgilio P. Gonzales
Cleighton K.Q. Goo
Mathew S.M. Goo
Stanley S. Goshi
Steven P. Gouveia, Sr.
Dr. Genevieve Go
Dr. Mateo Go, Jr.
Marilyn D. Go
Stephen C. Green
Amit Gupta
Shane D. Gushikuma
Randy I. Hagino
Ann Miyahira Hajnosz
Calvin T. Hamada
Eric E. Hamada
Dr. Francis Hamada
Dr. Harold S. Hamada
Wayne Y. Hamada
Jay K. Hamai
Miles N. Hamano
Edward K. Harada
John B. Harmon, Jr.
Kenneth T. Hasegawa
Brian S. Hashiro
Glenn M. Hashiro
Itsuo Hashiro
Kiyoshi Hayama
Roy E. Hayama
Dennis T. Hayamoto

Kazu Hayashida
Greg S. Hayashi
James T. Hayashi
Carol Heard
Brandon H. Hee
Eric N.S. Hee
George J. Hee
Kendall Hee
Kenneth K. N. Hee
Randolph P. Hennessey, Jr.
Steven C. Heywood
Matthew R. Hidano
Laverne T. H. Higa-Nance
Jan A. Higaki
Eugene J. Higa
Ross T. Higa
Takashi Higa
Theodore T. Higa
Mieko H. Higuchi
Lloyd H. Hihara
Fay Ann Hill
Alvin Y. Hirabara
Wallace A. Hirai
Albert I. Hirano
Eric T. Hirano
Glenn M. Hirano
Edward Y. Hirata
Theodore T. Hirata
Dennis O. Hirokawa
Gerald A. & Lorraine T. Hirokawa
Alvin T. & Karen K. Hironaga
Milton Hironaka
Steven N. Hironaka
George S. & Gayle M. Hirose
Francis T. Hirota
Scott D. Hirota
Wallace T. Hirouji
George A.Y. Hiu
Greg H. Hiyakumoto
Richard A. Hoch
James P. Hofmeister
Gary K. Hongo
James K. Honke
Gary T. Horinouchi
Valerie A. Howe
Millie Ho
Nathan Y. L. Ho
Peter H.P. Ho
Sung Ho
Robert H. Hughes
Colin K.P. Hughho
Benjamin C.P. Hung
Dr. Fred C. Hung
Ronald Y. Ibaraki
Garett M. Ichimura
Paul M. Ichinose
Stanley N. Ichioka
Brian M. Ide
Milton M. Ikawa
Glenn K. Ikeda
Lisa Y. M. Ikeda
Rodney J. Ikehara
Reid Kazuo Ikemori

Steve A. Ikenaga
Dennis T. Imada
Byron Imai
Harry M. Imai
Albert M. Imamura
Karen W. Imatani
Paul W.O. In
Kurt Y. Inaba
Claude K. Inake
Michael T. Inake
Rodney M. Inefuku
Julia Sia Ing
Patricia W.H. Ing
Alan T. Inouye
Clyde K. Inouye
Herbert S. Inouye
Michael S. Inouye
Robert M. Inouye
Russell E. Inouye
Brian S. Isa
Robert S. Ishida
Susumu Ishigo
Wesley T. Ishihara
Brian T. Ishii
Royden I. Ishii
Sharon M. Ishikawa
Arthur H. Ishimine
Keith T. Ishinaga
Ken T. & Carol H. Ishizaki
Howard E. Ishizuka
John A. Itai
Colin S. Itaki
Warren K. Itamura
Herbert T. Iwai
Robert H. Iwai
Alfred M. Iwamasa
Lance T. Iwami
George T. Iwamoto
Lianne A. Iwanaga-Ohashi
Neal T. Izumi
Michael Shawn Ma Izutsu
Juliet Y. Jakahi
J. Christopher Jensen
Qiao Jin
Eunice Jong
Leslie S. Jong
Monroe Jong
Ian Kagimoto
Kathryn Kahn
Norman T. & Marsha Kaitoku
Glenn M. Kaizuka
Wallace K. Kakemoto
Jaysen M. Kakuda
Ah Leong Kam
Gregory C.L. Kam
Allen M. Kamemoto
Neil T. Kamikawa
Teri M. Kanechika
Roy Kaneko
Kevin K. Kanemori
Ray Y. Kanemori
Dennis T. Kanemura
Keith S. Kaneshige

Dennis T. Kaneshiro
Erik S. Kaneshiro
Michael H. Kaneshiro
Kent H. Kanja
Darryl K. Kanno
Wayne C. Kanno
Kevin D. Kasamoto
Eric M. Kashiwamura
John H. Katahira
Alan M. Kato
Riki L. Kato
Stanley T. Katsura
Leong J. Kau
Ayako Kawabata
Ted S. Kawahigashi
Blake M. Kawakami
Clyde R. Kawakami
Mark Y. Kawakami
Rachel Y. Kawakami
Ivan M. Kawamoto
Miyoji Kawamoto
Neal W. Kawamoto
Owen N. & Shelley M. Kawamoto
Rodney M. Kawamura
Wayne T. Kawano
Beverly H. Kawasaki
Paul K. Kawata
Janalyn L. Kawato
Carl M. Kawauchi
Karen Kaya
Shelley S. Kaya
William S.C. Kee
Noreen S. Kenjo
Amy Kihara
Howard H. Kilpatrick, Jr.
Walter P.H. Kim
James M. Kimoto
Dee Y. Kimura
Roy K. Kimura
Shuzo Kimura
Donald H. King
Roy King
Diane S. Kishimoto
Edean C. Kitamura
Bessie C. Kiyota
Edwin K. Kobashigawa
Sidney Kobashigawa
Steve Y. Kobashigawa
Wendy Y.K. Kobashigawa
Mike H. Kobayakawa
Glen Y. Kobayashi
Paul K. Kobayashi
Ronald T. Kobayashi
Wayne K. Kobayashi
Yutaka Kobori
Gregg Kodama
Tamateru Kodama
George T. & Esther K. Kodani
Glenn J. Kodani
Vedprakash Kodipyaka
Michael T. Koga, Sr.
Steven Y. Koga
Herbert Y. Kohagura

Frederick H. Kohloss
Carey K. Koide
Ezra T. Koike
Clifford B. H. Komoto
Roy M. Komoto
Cary K. Kondo
Melvyn K.T. Kong
Kendall Y. Korenaga
Gary J. Kosaki
Jane S. Kramer
Galen M. Kuba
Dudley Y. Kubo
Kordell S. Kubo
Bruce Y. Kugiya
Norman S. Kumabe
Scott A. Kunioka
Sharlene T. Kunitake
Walter K. Kunitake
Kevin T. Y. Kuo
Whitey M. Kurasaki
Roland K. Kurashige
Lloyd M. Kurisu
Kent K. Kuriyama
Walter A. Kuroiwa
Claude K. Kutaka
Milton D. Kutaka
Calvin C.B. Kwan
Darren John Kwock
Lynette Zane Kwock
Daniel W.Y. Kwok
James Kwong
Joiner Lagpacan
Michelle M. Laguana
Sung-Ho Lai
Arnold W. Lam
Collins D. Lam
Dr. Raymond K.F. Lam
Helen S.M. Lam
Kwai S. Lam
Daniel B.T. Lau
Dr. L. Stephen Lau
Eunice Y.M. Lau
Harold Koon Ming Lau
Martin C.K. Lau
Tony C.G. Lau
Wilfred D.L. Lau
Carter Ledeker
Albert C.Y. Lee
Chew Hoy Lee
Darryl D. F. Lee
David H. Lee
Dennis K.W. Lee
Donald C. Lee
Fredrick K.F. Lee
George K.H. Lee
Gregory A. Lee
Hilda F. Lee
Julie K.I. Lee
Leland Y.S. Lee
Melvin N.H. Lee
Munny Y.M. Lee
Peter W. D. & Olivia G. Lee
Pina Tam Lee

Robert C.L. Lee
Rodney K.F. Lee
Shiu P. Lee
Stanley H. K. Lee
Stephen Y.S. Lee
Warren H. W. Lee
Nancy K. Len
Raymond C. Len
Darin Kwai Mun Leong
Randal H.W. Leong
Robin L.C. Leong
Timothy C. Leong
Desiree Leung
Eric T.W. Leung
Leland Liang
Ting Lung Sophie Liang
Tsung-I Liao
Bruce Liebert & Judith Kellogg
David K. Lindsey
William Ling
Christian K.S. Liu
Dr. Clark C.K. Liu
Edward K.F. Liu
Raymond Liu
Dr. Cyrus W. Loo
Sandra Y.S. Loo-Chan
Michael L. Look
Thomas H.L. Look
Roland S.Y. Louie
James J.Y. Louis
Stanley J.K. Louis
Annie C. Loui
Dr. Florence Chinn Loui
Adele Low
Bryan P. Low
Daren W.D. Lui
Craig W. L. & Tammy Luke
Chester G.H. Lum
Donna M. Lum
Ellery Lum
Ezra Litt Je Lum
James C.L. Lum
Jared H.M. Lum
Leighton W. K. Lum
Philip M.H. Lum
Stanley M.S. Lum
Vernon H.M. Lum
Akana K.W. Ma
Gordon C. Ma
John Y.H. Ma
James Charles MacDonald
Pete Madrigal
Hisao Maeda
Randall K. Maeda
Michael Y. Magaoay
Kenneth Mah
Brian K. Major
Alfred E. Makino
Joseph K. Malina, Jr.
Mernalene A. Manibusan
Kenneth M.S. Mark
Col. John C. Marshall
Edwin H. Maruyama

Kiyoji Masaki
Melvin Y. Masaki
Cy M. Masatsugu
Charlene K. Mashiba
Richard I. Mashiba
Manfred M. Masuda
Dan K. Masumoto
Cherry R. Matano
Stanton D. Mato
Alan M. Matsuda
Jerry M. Matsuda
Daniel S. Matsumoto
Gale Y. Matsumoto
Glenn A. Matsumoto
Randall I. Matsumoto
Shawn Y. Matsumoto
Wayne Y. Matsunaga
Nancy K. Matsuno
Corey Matsuoka
Gordon M. Matsuoka
Claude N. Matsuo
Gordon K. Matsushita
Jaime Lyn Matsushita
Harold T. Matsuura
Ronald N. Matsuwaki
Derwin W. Mattos
Francis K.Y. Mau
Howard H.W. Mau
Patrick N. S. Mau
Thomas K.L. Mau
Emil K. Maxton
Scott P. McArthur
Bruce C. McClure
Michael S. Medeiros
Kevin T. Mendes
Frederick Lot Meyer III
Janis L. Michael
Glenn T. Midomaru
Milton Y. Migita
Melvin S. Mikasa
Francis Milande
William Miller
Clayton S. Mimura
Melvin T. Minakami
Carol R. Minami
Gavin A. Minami
Randal M. Mita
Amy H. Mitsuda
Milton T. Mitsui
Benjamin M. Miura
Jase Miyabushi
Vincent K. Miyagawa
Patrick K. Miyahira
Wallace S. Miyahira
Dean K. Miyamoto
Dennis T. Miyamoto
Edwin I. Miyasaka
Bryce K. Miyasaki
Gail A. Miyasato
Albert H. Miyashiro
George M. Miyashiro
Glenn M. Miyashiro
Susumu Miyashiro

Yoshiaki Miyashiro
Glenn M. Miyashita
Kenneth M. Miyazono
Frances Y. Miyoshi
Marshall Mizobe
Audrey A. Mizushima
Vern A. Mizushima
Daniel S. Momohara
Linda N. Monden
Frank J. Mondik, Jr.
Jeffery S. Moore
Patricia T. Moore
Michael Morgan
Clifford Y. Morikawa
Dennis K. Morikawa
Ronald K. Morikawa
Sterling H. Morikawa
George S. Morimoto
Hiroshi Morimoto
Wayne S. Morinaga
Clyde T. Morita
Hugh Y. Morita
Ralph I. Morita
Yoshio Morita
Teri A. Moritomo
George G. Moriwaki
Glenn T. Moriyama
Richard H. Mori
George M. Motoyama
Kenneth T. Mukaigawa
Ann Y. Mukai
Steven M. Mukai
Donn D. Murakami
Gregory A. Murakami
Garett Hideo Muranaka
Kay Muranaka
John T. Muraoka
Kent Murata
Daniel I. Nagamatsu
Mark T. & Grace T. Nagamatsu
Charles R. Nagamine
David I. Nagamine
Richard S. Nagamine
Wilfred K. Nagamine
Roy T. Nagasako
Joyce E. Nagasawa
Kenneth T. Nagatani
Duke I. Nagayama
Dr. Kazutoshi Najita
Alvin H. Nakagawa
Edward T. Nakagawa
Eric S. Nakagawa
Henry H. Nakagawa
Fred Nakagiri
Ellen E. Nakahara
Frederick A. Nakahara
Iris A. Nakahara
Marian Nakama
Reginald T. Nakamoto
Ryo Nakamoto
Carl T. Nakamura
Charles I. Nakamura
Chris Nakamura

Elaine E. Nakamura
Herbert I. Nakamura
Lance S. Nakamura
Masao Nakamura
Michael S. Nakamura
Ray K. Nakamura
Wayne Y. Nakamura
Ronald S. Nakanishi
Wade L. Nakanishi
Edwin H. Nakano
Brent Nakaoka
Harold T. Nakaoka
Glenn I. Nakasaki
Leatrice Nakashige
Michael H. Nakashima
Ross A. Nakashima
Earle H. Nakasone
Henry M. Nakatani
Teruko Nakatani
Ivan K. Nakatsuka
Steve H. Nakayama
Wesley K. Nanamori
Edward T. Narimasu
Milton T. Nasu
Tamari C. Nasu
Ashok L. Nayak
Wilmer Ng
Derek H. Nhomi
Clayton K. Nihei
Raymond T. Nii
Hiroye Niiya
Audie K. Nishida
Lori M. Nishida
Ronald T. Nishihara
Eric K. Nishimoto
Ronald Nishimoto
Clifford K. Nishimura
Craig I. Nishimura
Dennis M. Nishimura
Jon K. Nishimura
Stuart M. Nishimura
Francis H. Nishioka
Kyle T.G. Nishioka
Staci K. Nobunaga
Amy W. Norton
Jon H. Ochai
Michael C. Ogan
James H. Ogata
Irving S. Ogi
Arnold I. Ohashi
David M. Okada
Alan T. Okamoto
Edward T. Okamoto
Glenn M. Okamoto
Michael H. Okamoto
Eric R. Okamura
Loren I. Okamura
Janyce Oki
Arlene Y. Okuda
Carl K. Okuda
Cory O. Okuda
Kenneth A. Okumura
Stanley H. Okumura

Wayne M. Okunaga
Scott M. Okunami
Ethan Wayne Okuna
Norman F. Olesen
Milton I. Onaka
Li-Hwa Ong
Rosalinda-Sally G. Ong
Karen S. Onishi
Roy M. Onishi
Kevin S. Onizuka
Douglas I. Orimoto
Donald C. Ornellas
Stanley H. Osada
Eric M.H.H. Osaki
Alan T. Oshiro
Rich N. Oshiro
Calvin K. Ota
Stacy A. Otomo
Kyle Y. Oyasato
Cheryl M. Palesh
Tanay H. Panalal
Wilfred J. Paresa
Judy Q. U. Park
Russell D. Park
Guy F. Pasco
Devadas Vemanna Patil
Jing Peng
Ayyalasomayajula Perisastry
Michael B.H. Pho
Robert D. Pierce
Brian E. Pinz
Richard O. Powell
C. Dudley Pratt, Jr.
Dr. Panos D. Prevedouros
Andy Ragasa, Jr.
Jane Rapozo
Leroy G. Rathburn
Dr. H. Ronald Riggs
Gordon T. Ring
Henry K. Rio
Rudolph J. Ritter, Jr.
Gregory H. Rowan
William E. Russell
Herbert R. Ryerson
Norman M. Sahara
Kartik Chandra Saha
Albert S. Saiki
Kelli D.R. Saito Goodin
Bert Y. Saito
David M. Saito
Elton K. Saito
Harold M. Sakai
Kenneth Tokuo Sakai
Marshall I. Sakai
Edward I. Sakamoto
Gregory Y. Sakamoto
Kara S. Sakamoto
Norman L. Sakamoto
James I. Sakata
Alan I. Saka
Paul M. & Candice Y. Saka
Steve Sakeshima
Fred E. & Ingrid K. Salmon

Francis T. Sanpei
Dennis D. Santo
Paul T. Santo
Harold S. Sato
Roy M. Sekiguchi
Richard M. Sekiya
Arthur S. Seki
Gerald Y. Seki
Dipankar Sengupta
Arthur Shak
Alan K. Shigemoto
Lily Shigemoto
Ralph S. Shigeoka
Kurt S. Shigeta
Edward K. Shikada
Mark T. Shimabukuro
Ruby R. Shimabukuro
Seiji Shimabukuro
Glenn M. Shimada
Steve T. Shimamoto
Carl N. & Lynne N. Shimazu
Ernest T. Shima
Brent R. Shimizu
Kazuto Shimizu
Marc S. Shimizu
Randall T. Shimoda
Sheryl R. Shimomi
Debby N. Shin
Stanley P.J. Shin
Mamoru Shinjo
Frederick H. Shinsato
Lawrence Shinsato
Roy A. Shioji
Kevin M. Shiota
Curtis I. Shiraishi
David T. Shiraishi
Rodney S. Shiraishi
Kazuo Shirakawa
Richard K. Shiroma
Reid T. Shishido
Denis T. Shiu
Reid H. Shizumura
Allison W.L. Shon
Calvin C.J. Sia
Reid Kiyoshi Siarot
Han G. Sie
Benjamin D.K. Simao
Marc Simmons
Catherine B.C. Simpson
Gary K.S. Siu
Michael A. Sklarz
Riley W. Smith
Alan Souders
Katheryn Ann Souders
Howell H. Souza, Jr.
David P. Spangler
Robert E. Spencer
Marcus H. Stearns
Ted Che-Hung Su
Edward Susumu Sueoka
Alan W. Sugahara
Ryan S. Sugamoto
Ann A. Sugibayashi

Tyler K. Sugihara
Mary S. Sullivan
Kenji Sumida
Stephen G. Sumida
Ravindra Sunkad
Ruby K. Sunn
Chi Ho Sun
Jeanne E. T. Suyeishi
Jon N. Suzawa
Gary S. Suzuki
Miko Ann Suzuki
Richard K. Suzuki
Ryan M. Suzuki
George J. Taisee
Karen H. Tajiri
Melvin S. Takafuji
Norman K. Takafuji
Gary Takahashi
Michael Y. Takahashi
Frederick T. Takakawa
Duane S. Takamine
George Takamiya
Reid T. Takamiya
Roy H. Takamoto
Claude K. Takanishi
Dale K. Takanishi
Bernard K. Takano
Howard K. Takara
Russell H. Takara
Thomas T. Takayama
Brian A. Takeda
Stan K. Takehara
Stanley T. Takemura
Theodore T. Takemura
Jeffrey A. Takeuchi
Cris T. Takushi
Wilfred T. Takushi
Calvin B.M. Tam
Joseph A. Tam
Thomas H. S. Tam
Thomas T. Tamakawa
Eric H. Tamashiro
Vanessa F. Tamashiro
Elaine E. Tamaye
Roy Y. Tamayori
Chandrashekar Tamirisa
Mark S. Tamura
Toshisada Tamura
Ignacio A. Tan
Benjamin S. Tanaka
Bryan I. & Tanya C.T. Tanaka
Dennis H. Tanaka
Gareth Tanaka
Harold H. Tanaka
Jason J. Tanaka
Ronald S. Tanaka
Ross R. Tanaka
Roy A. Tanaka
Danny D. T. Tang
June X. Tang
Glenn H. Taniguchi
Melvin S. Tanita
Warren Tanita

Daniel S. Tanji
Aileen A. Taomoto
Albert M. Tarumoto
Ken M. Tarumoto
Gary T. Tasato
Paul M. Tateishi
Thomas J. Tehada
Maiden E. Temple
Dr. Michelle H. Teng
Abraham A. Tengan
Sherilene Teruya
Pirith Thippavong
Irwin Thom
Germaine C. Thompson
Bert R. Toba
Alvin E. Toda
Bernardette S.K. Todd
George A. & Janet M. Tokuda
Jason Y. Tokuda
Lance Kenji Tokuda
Albert Q.Y Tom
Dexter D. J. Tom
Dr. K.S. Tom
Robert G.T. Tom
Steven K. Tome
Clyde Y. Tomihara
Charles S. Tomlinson
Glenn C. Tonai
Kenneth K.W. Tong
William Jin Yuan Tong
David B. Tongg
Etsuo Tonokawa
Lorraine O. Tottori
Barry A. Toyota
David G. Trager
Amanda Tse
Paul M. Tsuchiya
Robert T. Tsuchiya
Roy T. Tsutsui
Theresa F. Tsutsui
Patrick Sean Turner
Yukishige Uchida
Darren Y. Uchima
Craig S. Ueda
Keith S. Uemura
Grace M. Ueunten
Jennifer L. Umemoto
Karl M. Umemoto
Edmund M. Urabe
Scot T. Urada
Lyle M. Urasaki
US Mag. Judges of E. Dist. N.Y.
Barry A. Usagawa
Wynne M. Ushigome
Claire C. Uyeda
Derek Y. Uyeda
Chad K. Uyehara
Kyle T. Uyehara
Mark Katsuyoshi Uyehara
Sherman Y. Uyehara
Yukio Uyehara
Audrey Kyung Uyema
Michael K. Uyesugi

Josephine S.S. Vallely
Patrick R. Vasicek
Laura Veglak
Ann M. Vergara
Donald V. Vogel
Kent K. Wada
Ronald N. Wada
Wayne T. Wada
Bruce D. Wade
Alan S. Wagatsuma
Henry Wakabayashi
Wallace M. Wakahiro
Eleanor H. Wakano
Richard M. Wakida
Richard H. Wakimoto
Anissa P. Walton-Green
Kwang-Mei Wang
Yong Wang
Milton S. Watanabe
Weston Y. Wataru
Mark Y. & Geraldine Y. Watase
Carl H. Wohlers
Clayton Y. Wong
D'wayne B.F. Wong
John L. Wong
Kerstan J. Wong
Michael F. Wong
Michael K.C. Wong
Nolan G.H. Wong
Orrin C.M. Wong
Randall Li Wong
Rodney K. F. & Carol L. Wong
Ronald C.C. Wong
Stanley H.S. Wong
Tiow Ping Wong
William L. Wong
Hisao Yabusaki
Nolly I. Yagin
Kyle S. Yakabu
Reggie H. Yamada
Ronald M. Yamada
Stuart H. Yamada
Wallace T. Yamada
Gary Y. Yamagata
Albert S. & Gail S. Yamaguchi
Shari S. Yamaguchi
Melvin S. Yamaki
David M. Yamamoto
Gerald T. Yamamoto
James H. Yamamoto
Keith S. Yamamoto
Lee H. Yamamoto
May Y. Yamamoto
Ralph J. Yamamoto
Richard S. Yamamoto
Ronald A. Yamamoto
Warde K. Yamamoto
Warren M. & Amy E. Yamamoto
Todd Yamamura
Daniel K. Yamane
Bert S. Yamanuha
Alfred Y. Yamaoka
Clifford M. Yamaoka

Myron S. Yamaoka
Eric H. Yamashige
Charlene M. Yamashiro
Gil T. Yamashiro
Francis I. Yamashita
Dennis A. Yamauchi
Richard S. Yamauchi
Warren M. Yamauchi
Casey K Yanagihara
Charlie X. Yang
Dr. Ping-Yi Yang
Carleton S. T. Yap
Glenn S. Yasuda
Kerry T. Yasunobu
Donald S. Yasutake
Kevin K Yasutake
Lynn M. Yasutomi
Harvey Y. Yatogo
Alfred A. Yee
Danny Man Wai Yee
Harry W. Yee
Jewett C.Y. Yee
Kalfred Look Kee Yee
Lydia S. Yee
Ron K. B. Yee
Warren Y.J. Yee
Mark B. Yim
Walter T. Yogi
Glenn M. Yokoyama
Melvin K. Yokoyama
Charles S. Yonamine
Kenneth T. Yonamine
Gerald Z. Yonashiro
Bryce T. Yonemura
Don J. Yorimoto
Brian S. Yoshida
Rick I. Yoshida
Ronald M. Yoshida
Stephen K. Yoshida
Takeshi Yoshihara
Bryce E. Yoshimori
Charles Y. Yoshimoto
Arthur A. Yoshimura
Dwight T. Yoshinaga
Allen Chung Hung Young
Clifford F. Young
Jerry Young
Dr. Lori Ann Y.L. Young
Melvin Young
Dr. Reginald H.F. & Mrs. Judith Ann
Young
Todd R.K.W. Young
Ernest T. Yuasa
Brooks H.M. Yuen
Michael R.K. Yuen
Dr. Paul C. Yuen
Seung Fa Yuen
Timothy K.S. Yuen
Walter K.K.F. Yuen
Kyle Y. Yukumoto
Clint T. Zenigami
Erik Zen
Allen Zukemura

Part of the tournament's success is due to the hole sponsors and donors who provided monetary contribution or prizes. The Alumni Association appreciates the generosity of the companies and individuals that helped to make the tournament enjoyable for all the participants.

HOLE SPONSORS

Akinaka & Associates, Ltd.
 Austin, Tsutumi & Associates, Inc.
 Bow Engineering & Development, Inc.
 ControlPoint Surveying, Inc.
 Engineering Concepts, Inc.
 Hawaii Pacific Engineers Inc.
 Jayar Construction, Inc.
 KAI Hawaii, Inc.
 Kim & Shiroma Engineers, Inc.
 Koga Engineering & Construction, Inc.
 KSF
 Lyon Associates, Inc.
 M&E Pacific, Inc.
 Mechanical Enterprises, Inc.
 ParEn, Inc.
 R. M. Towill Corporation
 Ralph S. Inouye Co., Ltd.
 Randolph Murayama & Associates, Inc.
 Ronald N.S. Ho & Associates, Inc.
 Sato & Associates, Inc.
 SEY Engineers
 Shigemura, Lau, Sakanashi, Higuchi
 & Associates, Inc.,

Structural Analysis Group, Inc.
 The Lintiaco Consulting Group, Inc.
 Tom Nance Water Resource
 Engineering
 Towill, Shigeoka & Associates, Inc.
 URS
 Wesley R. Segawa & Associates, Inc.

DONORS

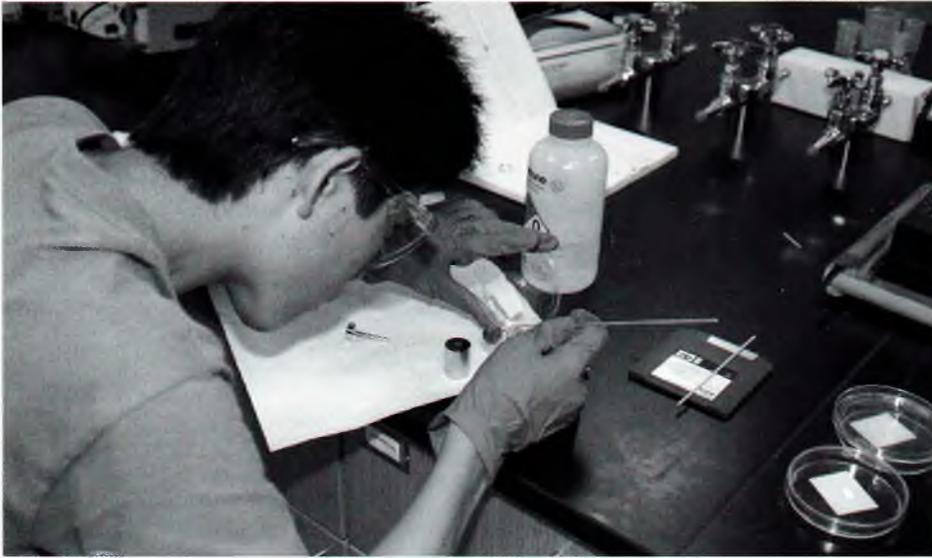
Big Island Candies
 Boyd Gaming
 Ferguson Enterprises, Inc.
 Gordon Sasamori
 HonBlue
 KN Consulting Services, Inc.
 Kyoya Restaurant
 M&E Pacific
 Makena Golf Resort
 Masonry Institute
 Round Table Pizza
 Sam Callejo
 Sam Choy's Restaurant
 The Blue Print Company
 University of Hawaii Athletics
 Y. Ebisu & Associates



It was a beautiful day for golf.



Mark Hiraoka, Ken Tatsuguchi, and Darin Okuda with the President Fujio Matsuda Trophy.



Michael Ching conducting experiments in the Corrosion Lab.

*High School Internship—
continued from page 3*

the programming aspects of C and C++, which is essential in robotics and performed tests of accuracy and precision of their code on the actual underwater manipulator.

Jennifer Abayon from Waipahu High School, **Andrew Braum** from Punahou School, and **Kahalealii Muhlestein** from Anuenue School worked with CEE **Associate Professor Ian Robertson** and Ph.D. candidate **Gaur Johnson** in the Structural Engineering Lab. Their internship focused on understanding the structural properties of concrete.

“The thing I most valued in my experience was being able to work with college students and a college professor. The whole experience—just having an internship at a college I aspire to attend, is valuable for me,” said Jennifer Abayon.

Kalina Kama from Kailua High School and **Shota Nakayama** from Kalani High School worked with CEE **Associate Professor Panos Prevedouros**, Ph.D. candidate **Jerry Ji**, and M.S. candidate **James Watson** in the Transportation Laboratory. Kalina focused on using AutoCAD

as the geometric basis in simulation models and modeling a freeway segment of the H1 Freeway.

The internship for Shota involved developing freeway geometry for the Integration simulation model, inputting origin-destination data, and simulating freeway traffic with Integration.

Due to the growth of the High School Internship Program the College will establish two scholarships next summer that only those who participate in the program can apply for.

All the interns enjoyed their experiences and many of them would recommend this program. “I would recommend this internship to others because it was a useful and productive way to spend the summer, a good way to make new friends, and gain some insight to see whether I would like to pursue a career in engineering,” said Jessica Yee.

The College of Engineering High School Internship Program has encouraged many of its previous students to enroll at the College. Hopefully, in a few years it won't be unusual to see this year's interns walking around Holmes Hall as engineering students. 

Faculty News

John Allen

joined the Mechanical Engineering Department as an assistant professor in August 2004. His current



research interests include acoustics, cavitation and bubble dynamics, fluid-structure interactions, biomedical engineering, biomaterials, and rheology. In 1988, Allen earned his A.B. in Physics from Princeton University. In 1992, he obtained a M.S. in Physics from Florida State University. In 1997, he earned his Ph.D. in Mechanical Engineering from the University of Washington. Prior to joining the Mechanical Engineering Department, Allen received a fellowship from the Japanese Society for the Promotion of Science (JSPS). He worked in the Department of Mechanical Engineering at the University of Tokyo. Prior to that, he was a research scientist/engineer in the Department of Biomedical Engineering at the University of California at Davis.

Gürdal Arslan

was appointed assistant professor in the Electrical Engineering Department in August 2004. His main



research interests are Markov decision problems, nonlinear and robust control, learning and adaptive control, and game theory. Arslan received his B.S. in Electrical Engineering from the Istanbul Technical University in Turkey. In 1996, he earned his M.S. in Electrical Engineering from Pennsylvania State University. In 2001, he

obtained a Ph.D. in Electrical Engineering from the University of Illinois at Urbana-Champaign. Prior to coming to UH, Arslan was an assistant researcher and lecturer at the University of California at Los Angeles in the Department of Mechanical and Aerospace Engineering.

Peter Berkelman

joined the Mechanical Engineering Department in August 2004. His research interests include haptic interfaces, surgical robotics, and magnetic levitation. Berkelman received his B.S. and M.S. from the Massachusetts Institute of Technology in Mechanical Engineering. In 1999, he earned his Ph.D. in Robotics from Carnegie-Mellon University. Preceding his appointment at UH, Berkelman worked at the Joseph Fourier University in the TIMC-IMAG Laboratory with the GMCAO Group, where he did postdoctoral research and development of surgical assistant robots and was head of the Light Endoscope Robot Project.



Lily Hsu Laiho

was appointed assistant professor in the Mechanical Engineering Department in August 2004. She received her B.S. and M.S. in Mechanical Engineering from Stanford University. In 2004, Laiho earned her Ph.D. in Mechanical Engineering from the Massachusetts Institute of Technology. Her main research interests are biomedical instrumentation, optical biopsy, spectroscopy, microscopy, and design of medical devices. Before joining the



Mechanical Engineering Department, Laiho was a research assistant at MIT, designing and developing new technologies and instrumentation for non-invasive optical biopsy based on spectroscopy and second harmonic generation.

Luco Macchiarulo

joined the Electrical Engineering Department in August 2004. In 1999, he earned a Ph.D. in Electrical Engineering from the Politecnico di Torino in Italy. Macchiarulo's research interests include: theory and applications of multi-valued logic; synthesis techniques; neural networks, theoretical investigations on properties of binary and multi-valued decision diagrams; and VLSI implementation of PTL logic families. Prior to arriving at the College, Macchiarulo worked as a researcher in the VLSI group in the Department of Electronics Engineering at the Politecnico di Torino, where he worked on CAD for ICs, interconnect effects in ICs, and fault tolerance analysis.



Weilin Qu

joined the Mechanical Engineering Department in August 2004. He recently earned his Ph.D. in Mechanical Engineering from Purdue University. Qu received a B.E. and M.S. in Engineering Thermophysics from Tsinghua University in China. His interests are in micro-scale thermal/fluid transport processes, boiling and two-phase flow, high-heat-flux thermal management, and electronic cooling. Qu's doctoral research focused on thermal/fluid transport phenomena in micro-channels.



Mechanical Engineering Assistant Professor **Carlos Coimbra** was awarded a *Chancellor's Citation for Meritorious*



Teaching, which recognizes Mānoa faculty members who have made significant contributions to teaching and student learning. Coimbra's teaching method balances clear exposure of fundamental concepts and careful selection of exciting problems, with one-on-one mentorship and research inclusion. Coimbra feels that connecting the material in class with practical aspects of life is highly important.

Beei-Huan Chao (Associate Professor, ME), **Edmond Cheng** (Professor, CEE), and **Tep Dobry** (Assistant Professor, EE) received the *Hi Chang Chai Excellence in Teaching Awards for 2004*. The awards are given annually to one faculty member from each department of the College. According to Dr. Chai's wishes, the faculty are selected by the graduating seniors. Recipients of the award also receive a \$1,000 award. Dr. Hi Chang Chai (1924-2001) was a professor and served as chair of the Department of Mechanical Engineering.



Constructive Learning

Above - CEE Instructor Randy Aklona explaining why the spar failed.

Right - A Noelani fifth grader putting the final touches on his team's jet toy.

Far right - Two students get ready to race in the time trials competition.

AS THE END OF THIS PAST SCHOOL YEAR CAME CLOSER, THE FIFTH AND SIXTH GRADERS FROM NOELANI SCHOOL ANXIOUSLY AWAITED FOR ONE THING: SUMMER VACATION.

However, the College of Engineering gave them another thing to look forward to.

For the fifth graders it was the opportunity to design and construct their own jet toy, using kits donated by the Society of Automotive Engineers. The kits consisted of a paper frame, plastic wheels and axles, tubing in three different diameters, several balloons, and an air pump.

The sixth graders worked on designing and building wing spars, which is where the wings and the fuselage on an airplane meet. This project called for the groups to build a light and durable cross-section of a wing spar, using balsa wood and glue.

These projects gave the students an opportunity to experience what it's like to be an engineer, but they also experienced much more. "They practiced being self-directed and definitely learned the roles of the project





A CEE student adds sand to the spar-testing device.

engineer or the facilities engineer, and they took their roles seriously. In addition to being successful in constructing a car to specs they needed to learn to cooperate and work effectively and efficiently to accomplish their goals,” says fifth-grade teacher, Noelani Chang.

“I think the spar project creates decision-making and collaboration among team members, shows my students the need to think and plan things first before executing,” says sixth-grade teacher, June Yamanuha.

Both projects started with classroom visits by Civil & Environmental Engineering instructor Randy Akiona. During those first visits he talked about what engineers do and about the projects the fifth and sixth graders were about to embark on. Mr. Akiona also made several visits after to check the progress of the students.

Those visits eventually led up to the competitions.

The *spar competition* was held on May 18th at Holmes Hall. Each spar was judged on efficiency, design, weight, and how much load the spars could handle, which was the ultimate test. After being weighed, each spar was placed in the testing units. Buckets were hung from the fuselage and sand was added slowly until the spar failed. After each spar failed, the buckets of sand were weighed to determine its load.



More than half of the wing spars held over ten pounds of sand and the winning spar was able to hold over fourteen pounds.

The *jet toy competition* was held on May 20th at the University of Hawai‘i Campus Center Ballroom. At the jet toy competition, each group could sign up for a number of events: Distance, time, time trials, and weight.

In the distance event, each jet toy was judged on how far it could go. In the time event, the jet toys were timed to see how long each toy could go before coming to a complete stop. In the time trials, jet toys were pitted against each other in races. The weight event showed each toy’s muscle, as they were given weights (rolls of 10 pennies) to carry across a certain distance.

The winner of the distance event made their jet toy travel 32 feet. In the time event, the winner was able to get their toy to travel for almost 21 seconds. Finally, in the weight event, the winning jet toy was able to carry twelve rolls of pennies.

The whole process of designing, constructing, and testing was a learning experience for the students. “I think the spar project taught us a lot, like how you need teamwork and workmanship to assist a good design, and I think this was a good way to teach us that there are a lot of things to be accountable for,” said sixth grader Nicholas Mattson.

It was an enjoyable experience for the students, but it was also great for the teachers as well. “I enjoyed the jet toy project very much because it took the students through the scientific process,” says fifth-grade teacher, Lauri Taguchi. “The children used problem-solving and tested their ideas. I liked that they were able to apply the skills that we have been teaching them all year long.”

What a great way for the fifth and sixth-grade students from Noelani School to end their school year. 🌊

Spring 2004 Graduates



CIVIL AND ENVIRONMENTAL

Doctor of Philosophy

Linlin Huang

Bachelor of Science

Johnny Chiem

Nelson T. Del Rosario

Aaron A. Erickson

Emerson E.G. Garcia

Akemi Herrick

Jeremy T.Y. Lee

Ronald R. Malalis

Dayna E. Nemoto

ELECTRICAL

Master of Science

Kenichi Kaneshiro

Mark Saewong

Bachelor of Science

Arnold C. Alcisto

Neil F. Balason

Richard S. Cajimat

Philip W.Y. Chan

Wai Ip Chan

Charles Choe

Arnel B. Dait

Andy B. Espejo

Brent M. Hashimoto

Mitchell J.S. Ho

Bo Huang

Jason K. Johnson

Erich A. Kimoto

Evan K. Kimoto

Jenilee Y. Kong

Marvin Q.H. Lam

Michelle X.F. Ma

Cindy Lee T. Padilla

Philip W. Robbins

Justin D. Roque

Kimberly M.L. Sato

Stephen S.Y. Sung

Marcus N. Suzuki

George D. Takase

Kyle M. Tamori

Brent A. Uyehara

Erin K. Yamamoto

MECHANICAL

Bachelor of Science

Kurt-Julian Boehm

Edward C. Briones

Antonio J.B. Cawagas

Jodi A. Ichimura

Tina M.L. Lee

Matt M. Miyamoto

Thomas M. Novikoff

Landen K.S. Prochnow

Brent K. Tamura

Kevin I. Teruya

Irwin M. Young



2540 Dole Street, Holmes Hall 240
Honolulu, HI 96822

CHANGE SERVICE REQUESTED

NONPROFIT ORG.
U.S. POSTAGE
PAID
HONOLULU, HI
PERMIT NO. 278

*****ECRLOT**C036



HONOLULU HI 96816-2030