

University of California at Berkeley
MEETING OF THE FACULTY OF THE COLLEGE OF ENGINEERING
April 19, 2010, Noon
Seaborg Room at the Faculty Club

Chair of the Faculty, Paulo Monteiro, thanked everyone for attending the meeting and said he would be stepping down after this meeting.

A motion was made and seconded to approve the Minutes of the December 7, 2009 meeting. There was no discussion. The motion passed.

Kameshwar Poolla was elected Faculty Chair for 2010-2012 (candidates were Phil Kaminsky from IEOR and Kameshwar Poolla from ME).

Report of the Dean

Acting Dean Pisano acknowledged and congratulated faculty on their accomplishments during the 2009-2010 academic year. Recipients were:

ACM-Infosys Foundation Award
Eric Brewer, EECS

Elected to The National Academy of Engineering:
Lisa Alvarez-Cohen, CEE
Eugene Haller, MSE
Michael Jordan, EECS
Jay Keasling, Bioe
Xiang Zhang, ME

Technology Review's Top 10 Innovators Under 35
Ali Javey, EECS
Dawn Song, EECS

MacArthur Foundation "genius award"
Maneesh Agrawala, EECS

Popular Science's "Brilliant 10"
Ting Xu, MSE

Endowed Chair Recipients 2009-2010 (Effective July 1, 2009):
Cadence Design Systems Distinguished Professor in the College of Engineering Kameshwar Poolla
in the Department of Mechanical Engineering
James Fife Chair in the College of Engineering Fife
Roberto Horowitz in the Department of Mechanical Engineering
Jim Gray Chair in Engineering
Eric Brewer in the Department of Electrical Engineering & Computer Sciences
Andrew S. Grove Distinguished Professor in the Dept of Electrical Engr & Computer Sciences
Costas Spanos in the Department of Electrical Engineering & Computer Sciences
Ernest S. Kuh Chair in the College of Engineering

Xiang Zhang in the Department of Mechanical Engineering
Malozemoff Chair in the Department of Materials Science and Engineering
Ramamoorthy Ramesh in the Department of Materials Science and Engineering
Nortel Networks Distinguished Professorship in Electrical Engineering and Computer Sciences
Eli Yablonovitch in the Department of Electrical Engineering & Computer Sciences
Arnold and Barbara Silverman Chair in Bioengineering
Matthew Tirrell, Department Chair of the Department of Bioengineering
Daniel Tellep Distinguished Professorship in the Dept of Civil and Environmental Engineering
William Nazaroff in the Department of Materials Science and Engineering

Chancellor's Professorships

Dorit Hochbaum in the Department of Industrial Engineering & Operations Research
J. W. Morris, Jr. in the Department of Materials Science and Engineering

He talked about PDF and PDF/ESF saying the college needs to generate additional funds. The proposal is scheduled to be voted on at the September Regents' meeting.

Acting Dean Pisano talked about the M.Eng Degree and presented slides (attached). There will be meetings with department chairs to discuss the degree April 23 and 30. He also talked about the Fung Institute saying Coleman Fung is concerned with educational initiatives. Topics Acting Dean Pisano discussed were:

1. Fung Institute for Engineering Leadership
2. M.Eng.—why now?
3. M.Eng. —next steps?
4. Q&A and discussion

There will be an advisory board; Albert Pisano and Shankar Sastry are currently co-directors but a faculty member will be identified as the director who will work with a College Oversight Committee. The College's Graduate Study Committee will approve courses.

Acting Dean Pisano then talked about the ERSO Business Model Reevaluation and said he understands there are problems and he is working on obtaining funding that was lost. He also acknowledged issues that are due to staff layoffs.

He then talked about the New Interaction Model between UCB-CoE and Japan and said the college has a good reputation in the international community. Acting Dean Pisano explained the systems and said he is in negotiations with three organizations.

He talked about IT Clustering and Course Consolidation and said the Task Force has made a recommendation that will be looked at in the near future.

Dennis Lieu, Chair of the Undergraduate Study Committee, explained Curriculum Changes. A motion was made and seconded to accept the changes as stated (listed below). With no further discussion the motion passed.

EECS

Request: Remove E 190 from curriculum. Add ethics/social implications of technology requirement. Change the discrete math requirement such that students must take Compsci 70 (instead of choosing from a list of options).

EECS-MSE

Request: Remove E 190 from the curriculum.

EECS-NE

Request: Remove E 190 from the curriculum.

Computer Science

Reduce minimum required GPA for admission to the Computer Science minor from 3.0 to 2.0.

Special Orders

Chair Monteiro asked if there was any discussion regarding the consent Calendar, there was none. A motion was made and seconded to approve the Consent Calendar; motion passed.

Standing Committees

- Computing and Computer Science Education, A. Atamturk, Chair (written report)
- Graduate Study Committee, P. Kaminsky, Chair (written report)
- Student Relations, C. Ostertag, Chair (written report)
- Undergraduate Study Committee, D. Lieu, Chair (written report)

Ad Hoc Administrative Committees

- ABET Committee, D. Chrzan Chair
- Common First Year, R. Gronsky Chair
- Continuing Education in Engineering, T. Liu Chair
- Corrosion Fund, M. Tomizuka Chair
- Engineering 7, R. P. Papadopoulos
- Engineering Library, S. Berger Chair
- Instructional Technology and Distance Learning, I. Sidhu, Chair (written report)
- Jaehne Endowment Committee, R. Yeung, Chair
- Jane Lewis Award Committee, F. Doyle Chair (written report)
- Summer Undergraduate Program in Engineering & Research (SUPERB),
O. Dubon Chair (written report)
- Undergraduate Admissions, M. Tomizuka Executive Associate Dean & Chair

Interdisciplinary Studies Committees

- Applied Science and Technology, D. Attwood, Chair (written report)
- Art, Technology and Culture Committee, K. Goldberg Chair
- Engineering Science, T. Zohdi, Chair
- Management of Technology Committee, S. Oren Director
- Nanoscale Science and Engineering, R. Ramesh Chair
- Ocean Engineering, A. Mansour Chair
- Technology and Leadership, I. Sidhu, Chair (written report)
- Technology and Sustainability, A. Horvath Chair

There were no Reports of Standing Committees.

There were no Petitions of Students

There was no Unfinished Business

There was no New Business

A motion was made and seconded to adjourn the meeting. The motion passed.

Respectfully submitted,
Beverly Skinner

Registered 46 faculty; 24 staff:

Faculty Attendees

Paulo Monteiro, Faculty Chair
Albert Pisano, Acting Dean
Krste Asanovic
Thomas Budginer
Dave Hodges
George Johnson
Samer Madanat
George Lietmann
Dennis Lieu
Dorian Liepmann
David Wagner
Rhonda Righter
Phil Kaminsky
Ilan Adler
Dorit Hochbaum
Brian Harvey
Dan Garcia
Martin Graham
Jim Hunt
Lisa Alvarez-Cohne
Anant Sahai
Jose Carmena
Panos Papadopoulos
David Bogy
Ernest Kuh
Costas Spanos
Borivoje Nikolic

Ikhtlaq Sidhu
Roberto Horowitz
Vern Paxson
Paul Hilfinger
Sahish Rao
Kameshwar Poolla
Andy Packard
Sara McMains
Avideh Zakhori
Alice Agogino
Bill Nazaroff
Stuart Russell
Tsu-Jae King Liu
Clark T.C. Ngyen
Karl Hedrick
Ras Bodik
Eli Yablonovitch
Rob Ritchie
B Nicolich
David Culler
Brian Barsky
Jasmina Vujic
David Attwood
Fiona Doyle
Benson Tongue
Masayoshi Tomizuka

Staff Attendees

Beverly Skinner
Chung Ting
Dat Le

Randy Sweringen
Cindy Chien
Patti Meagher

Marcia Steinfeld
Valerie Ventre-Hutton
Vanessa Rivera
Dale Masterson
Darrell Erickson

Kristen Gates
Scott Shackleton
Melissa Nidever
Jayne Anderson
Karen Rhodes