

University of California at Berkeley

MEETING OF THE FACULTY OF THE COLLEGE OF ENGINEERING

May 12, 2008, 11:30AM

290 Hearst Memorial Mining Building

- I. Minutes of the Meeting of December 10, 2007
http://www.coe.berkeley.edu/faculty_staff/
A motion was made to approve the minutes. The motion was seconded and passed.
- II. Announcements of the Chairperson. The Chair had no announcements.
- III. Announcements of other Executive Officers of the Faculty. There were none.
- IV. Special Orders
Report of the Dean
 1. State of the College
 2. Councils
 3. Membership of the Standing Committees

Dean Sastry thanked Professor Filippenko for attending the meeting and for taking time out of his schedule to present a fascinating talk to the Faculty about dark energy and the runaway universe. Dean Sastry reported a few important issues.

The first issue is the expected budget cut. Thus far, California Hall is assuming a \$20-40 million shortfall across campus. The way the departments and the college have been asked to plan for the shortfall is to leave faculty salaries untouched, but to plan for a seven percent across the board cut on non-faculty items, and withholding all STP income (short term investment income) plus any “carryover” balance (money banked for a variety of reasons to make up the debt). The College has already responded.

The second issue is the plan to possibly increase graduate student tuition in order to augment faculty salaries in engineering. Before we jump into this, former Dean Pister and others want some further analysis in advance to determine the legality of augmenting or developing “recharge” fees. All the other UC Deans are in support of these revenue sources.

The Dean’s goal during the capital campaign is to build a larger tuition pot. MIT and Stanford pay 55% and 65% respectively of published tuition to contracts. Dean Sastry wants to guarantee the salary slice of this. There will undoubtedly be a fee increase across the board.

The EAB meeting (Engineering Advisory Board) was highly successful, well attended, and highly interactive. The EAB expressed a willingness to match the College on faculty salaries provided the College is able to meet the first half of the salary gap. The EAB meeting focused on three issues: first, Bio E* (growth of Biology in the college); second, how to best structure energy and environmental initiatives in the college and third, the changing landscape for Bio-research funding.

The EAB felt the College should fund an Energy and Environment Institute similar to the CITRIS model that works on sustainable energy. The California Public Utilities Commission CPUC has authorized \$60 million annually to fund the California Institute for Climate Solutions. Tom Siebel of Siebel Solutions is working with COE to develop a partnership to develop energy-free homes.

In terms of delivering on Bioengineering, the EAB endorsed the notion of developing Bio E*, with the caveat that it be treated as a next generation approach (Bioengineering 3.0) and NOT as an outgrowth of any existing department. Richard Karp is currently leading the internal study of this concept. Andy Grove is providing valuable assistance as well.

The Dean closed with a brief update on the all-campus planning effort underway to establish a School of Global Health. The next major event connected to it will be September 14/15 when the UC planning committees have an opportunity to meet with the External Scientific Advisory Committee on the Mission Bay campus.

V. Reports of Special Committees

Assistant Dean Robert Giomi gave a verbal report re: 2008 Undergraduate admission statistics.

1. Reports of Ad Hoc Administrative Committees. A written report re: ABET was posted in advance of the meeting.

2. Reports of Interdisciplinary Studies Committee (a verbal report was given by Dr. Anthony St. George).

VI. Reports of Standing Committees (Standing Committee reports were written and posted in advance on the College Faculty website)

The following Committee Reports were posted on the Faculty website: ABET, International Collaboration, Applied Science and Technology Graduate Group, Computing & Computer Science Education, Continuing Education in Engineering, Engineering Science, Graduate Study, IDS Committee of Ocean Engineering, Jaehne Endowment, Joint Masters in Engineering and Public Health. Nano Science and Technology, Undergraduate Study.

A motion was made to accept all of the reports, both written and verbal, and the motion carried.

VII. Consent Calendar

Consent calendar was approved by majority vote.

VIII. Petitions of Students

There were no petitions of students.

IX. Unfinished Business

There was no unfinished business.

X. New Business

Reports of Committees, Reviews, and Task Forces (Written and/or verbal report)

1. The Berkeley Center for New Media, Ken Goldberg Chair (Verbal report)
2. The Joint Masters in Engineering & Public Health, verbal report by R. Bajcsy. Written report by Bernhard Boser, Chair
3. ABET Committee, P. Peterson, Chair (Written & verbal report)
4. Biology in the College Task Force, Steve Conolly and Jitendra Malik, Co-Chairs (Verbal report by S. Connolly)
5. Nanoscale Characterization Task Force, Ramamoorthy Ramesh, Chair (Verbal report)
6. NanoScience and NanoTechnology for the College Task Force, Ramamoorthy Ramesh, Chair (Written & verbal report)
7. IESE Review Committee, Robert Spear, Chair (Verbal report by Costas Spanos)
8. PEER Organizational Structure Committee, Steven Mahin (Verbal report)
9. CUES Update, George Johnson (Verbal report)
10. Election of Standing Committee slate of candidates. A motion was made and seconded to accept the slate of candidates as presented by Chair Righter. The motion passed.

Special Presentation by Ken Goldberg, *The Tribe* was tabled for presentation at a future time.

There being no further business, Chair Rhonda Righter adjourned the meeting at 2:15pm.

Respectfully submitted by Bill Oman

Attendees:

Thomas Budinger	Bioengineering
J. Christopher Anderson	Bioengineering
Seung-Wuk Lee	Bioengineering
Dorian Liepmann	Bioengineering
Lisa Alvarez-Cohen	Civil & Environmental Engineering
N. Sitar	Civil & Environmental Engineering
James Hunt	Civil & Environmental Engineering
Slav Hermanowicz	Civil & Environmental Engineering
James Hunt	Civil & Environmental Engineering
Stephen Mahin	Civil & Environmental Engineering
Gary Baldwin	Dean's Office
Valerie Ventre-Hutton	Dean's Office
Karen Rhodes	Dean's Office
Beverly Skinner	Dean's Office
Jeff Rhode	Dean's Office
Anthony St. George	Dean's Office
Gary Baldwin	Dean's Office
Barbara Blackford	Dean's Office
Melissa Nidever	Dean's Office
Patti Meagher	Dean's Office
Costas Spanos	Electrical Engineering & Computer Sciences
Edward Lee	Electrical Engineering & Computer Sciences
Stuart Russell	Electrical Engineering & Computer Sciences
Martin Graham	Electrical Engineering & Computer Sciences

David Hodges	Electrical Engineering & Computer Sciences
T. Ken Gustafson	Electrical Engineering & Computer Sciences
Brian A. Barsky	Electrical Engineering & Computer Sciences
Jeffrey Bokor	Electrical Engineering & Computer Sciences
C.K. Birdsall	Electrical Engineering & Computer Sciences
Brian Harvey	Electrical Engineering & Computer Sciences
David Messerschmitt	Electrical Engineering & Computer Sciences
David Attwood	Electrical Engineering & Computer Sciences
Carlo Sequin	Electrical Engineering & Computer Sciences
Michael Gastpar	Electrical Engineering & Computer Sciences
Stuart Russell	Electrical Engineering & Computer Sciences
Vern Paxson	Electrical Engineering & Computer Sciences
Ruzena Bajcsy	Electrical Engineering & Computer Sciences
Stuart Russell	Electrical Engineering & Computer Sciences
Anthony D. Joseph	Electrical Engineering & Computer Sciences
Martin Graham	Electrical Engineering & Computer Sciences
Dan Garcia	Electrical Engineering & Computer Sciences
Jitendra Malik	Electrical Engineering & Computer Sciences
Edward A. Lee	Electrical Engineering & Computer Sciences
Trevor Darrell	Electrical Engineering & Computer Sciences
Alan Smith	Electrical Engineering & Computer Sciences
Trevor Darrell	Electrical Engineering & Computer Sciences
Lee Schrub	Industrial Engineering & Operations Research
George Shanthikumar	Industrial Engineering & Operations Research
Rhonda Righter	Industrial Engineering & Operations Research
Roger Glassey	Industrial Engineering & Operations Research
Ken Goldberg	Industrial Engineering & Operations Research
Ilan Adler	Industrial Engineering & Operations Research
Max Shen	Industrial Engineering & Operations Research
Ron Gronsky	Materials Science & Engineering
Eugene E. Haller	Materials Science & Engineering
Robert O. Ritchie	Materials Science & Engineering
Ting Xu	Materials Science & Engineering
Lutgard C De Jonghe	Materials Science & Engineering
George Johnson	Mechanical Engineering
Benson Tongue	Mechanical Engineering
Alice Agogino	Mechanical Engineering
Andrew Szeri	Mechanical Engineering
Albert P. Pisano	Mechanical Engineering
Philipp Gloesmann	Mechanical Engineering
David Bogy	Mechanical Engineering
Sara McMains	Mechanical Engineering
Joonhong Ahn	Nuclear Engineering
John Verboncoeur	Nuclear Engineering
Jasmina Vujic	Nuclear Engineering
Bill Oman	Other

Darrell Erickson
Bob Giomi
Alexei Filippenko
Steve Conolly
Daryl Chrzan
Per Peterson
Juan Pestana
Michele deCoteau

Other
Other
Other
Bioengineering
Materials Science & Engineering
Nuclear Engineering
Civil & Environmental Engineering
CUES