Who We Are
The College of Engineering plays a central role in the mission of UC Davis, one of the nation’s top public research universities. The College integrates teaching, research and service to society, advancing the leading edge of engineering knowledge and training the next generation of engineers who will make a difference in our world.

Annual Faculty Meeting
May 22, 2013
MEETING MINUTES

- UNIVERSITY OF CALIFORNIA, DAVIS
  VOLUME XXXVIII, NO. 3
- ACADEMIC SENATE
- MINUTES (posted to COE Intranet)
- REGULAR MEETING
- FACULTY OF THE COLLEGE OF ENGINEERING (DAVIS)
- May 22, 2013, 3:30 p.m., room 1065 Kemper Hall
Order of Business

1. Announcements by the President, Mark Yudof (none)

2. Announcements by the Vice-Chair, Bernard Levy
   - Slides to follow
Executive Committee Activities

- Reviewed COE Information Technology Strategic Plan.
- Reviewed six course materials fees.
- Continued discussion regarding implementation of a COE “technology” fee.
- Reviewed and commented on proposed revisions to the academic personnel process (STAPP Report).
- CEC submitted a strong statement to the campus on the issue of impacted enrollments for lower division math/science courses.
- Reviewed proposed system-wide safety policies, provided comment.
Executive Committee Activities Cont.

- Reviewed proposed Incentive-Based budget model for faculty resources.
- Continued discussion on campus “2020 Initiative”.
- Reviewed retention statistics for COE undergraduate students.
- Voted to approve the formation of a new COE standing committee for information technology.
- Reviewed the COE budget process with Dean Lavernia and Assistant Dean Lefkoff.
- Met with new campus safety coordinator Veronica Thron, who will be working with COE on compliance to system-wide safety policies.
- Reviewed long-range enrollment plan and COE diversity report.
ORDER OF BUSINESS

3. Announcements by Dean, Enrique J. Lavernia

Separate Presentation
New Faculty since January 2012

Stavros Vougioukas (BAE) appointed 1/2/2012

Stephen Robinson (MAE) appointed 7/1/2012

Jerry Woodall (ECE) appointed 7/1/2012

Vivek Srinivasan (BME) appointed 7/1/2012

Jane Gu (ECE) appointed 8/10/2012

Masakazu Soshi (MAE) appointed 11/1/12

Barbara Linke (MAE) appointed 11/1/12
Faculty Searches in Progress

Department Chair (ECE)
Bioinformatics (BME)
Bioengineering (BME)
Hyundai Director (MAE)
REPORTS FROM STANDING COMMITTEES

Committee on Undergraduate Educational Policy,
Amit Kanvinde, Chair

Awards Committee, Anh-Vu Pham, Chair
Report presented by Ian Kennedy
REPORTS CONTINUED….

Research and Library Committee, 
Natarajan Sukumar, Chair

Committee on Graduate Study, 
Kwan-Liu Ma, Chair

Committee on Student Recruitment, Development, 
and Welfare, Adam Moule, Chair
Order of Business continued…

4. Special orders (none)

5. Petitions of students (none)

6. Unfinished business (none)

7. New business: Proposed Bylaw Changes
Proposed Bylaw Changes

- SEE HANDOUT

- Adding new Senate Standing Committee for Information Technology and Innovation Services (ITIS). (faculty voted all in favor of this new committee)

- Adding new Regulation VI regarding prerequisites. (faculty voted all in favor of this new regulation)

- Adding new term of service for the Undergraduate Education Policy Committee (UGEP). (faculty voted all in favor of this change for this committee)

- 46 senate members attended this annual meeting
COE Standing Committees 2013/14

EXECUTIVE COMMITTEE

Mark Grismer  BAE
Michael Savageau  BME
Marjorie Longo  CHMS
Jason DeJong  CEE
Felix Wu  CS
Bernard Levy, Chair  ECE
Niels Jensen, Vice-Chair  MAE
COE Standing Committees 2013/14

COMMITTEE ON STUDENT RECRUITMENT, DEVELOPMENT AND WELFARE

Stavros Vougioukas  BAE
Laura Marcu  BME
Adam Moule  CHMS
Alissa Kendall  CEE
Hao Chen  CS
Stephen O’Driscoll  ECE
Valeria La Saponara  MAE
COE Standing Committees 2013/14

COMMITTEE ON UNDERGRADUATE EDUCATIONAL POLICY

Michael Delwiche  BAE
Tony Passerini  BME
Nael El-Farra  CHMS
Amit Kanvinde  CEE
Phillip Rogaway  CS
Kent Wilken  ECE
Michael Hill  MAE
COE Standing Committees 2013/14

AWARDS COMMITTEE

Bruce Hartsough  BAE
Kathy Ferrara  BME
Roland Faller  CHMS
Bassam Younis  CEE
Bertram Ludaescher  CS
Venkatesh Akella  ECE
Ian Kennedy  MAE
COE Standing Committees 2013/14

RESEARCH & LIBRARY COMMITTEE

Julia Fan  BAE
Vivek Srinivasan  BME
Pieter Stroeve  CHMS
Natarajan Sukumar  CEE
Nelson Max  CS
Charles Hunt  ECE
Fidelis Eke  MAE
## COE Standing Committees 2013/14

### COMMITTEE ON GRADUATE STUDY

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
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<tbody>
<tr>
<td>Niels Jensen</td>
<td>DAS</td>
</tr>
<tr>
<td>Fadi Fathallah</td>
<td>BAE</td>
</tr>
<tr>
<td>Kent Leach</td>
<td>BME</td>
</tr>
<tr>
<td>Yayoi Takamura</td>
<td>CHMS</td>
</tr>
<tr>
<td>Frank Loge</td>
<td>CEE</td>
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<tr>
<td>John Harvey</td>
<td>TTP</td>
</tr>
<tr>
<td>Kwan-Liu Ma</td>
<td>CS</td>
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<tr>
<td>Qing Zhao</td>
<td>ECE</td>
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<tr>
<td>David Horsley</td>
<td>MAE</td>
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College of Engineering
Budget Briefing

Presented to:
Annual faculty meeting – May 22, 2013
Provost and Executive Vice Chancellor – June 13, 2013
College Overview

- Undergraduate majors: 3,852
  - Growth since 2011 = 389. Freshman increase 24%; better retention.
  - Goal for 2013: increase transfers-freshman ratio
- Graduate students: 1,167; 36% international
  - Includes 799 PhD students
- Senate faculty: 202 heads; 180.4 filled FTE
- Unrestricted fund expenditures = $51.4 million
- Extramural expenditures = $87.1 million (FY 2011-12)
  - Includes gifts expended = $3.4 million
  - Nearly all restricted

Head counts: Fall 2012.
COE Operational Budget, 2012-13
Unrestricted funds (GF, ICR), projected

• Operational costs and revenues are generally balanced
  – Total expenditures (unrestricted funds only) = $51.4M
  – Major costs:
    • Faculty salaries – 42%
    • Staff salaries – 14%
    • Faculty and staff benefits – 18%
    • Teaching Assistants – 4% (fee remission paid by campus)
    • Graduate Student Researchers – 6% (fee remission paid by campus)
    • Supplies – 6%
    • OP tax – 3%
Budget Changes, 2013-14
Unrestricted funds (GF, ICR), anticipated

• New base net revenues, GF = $510K
  – New base revenues, GF = $1,350K: enrollment and SCH growth
  – New base expenditures GF = $840K: employee benefits + OP tax

• New investments:
  – Teaching Assistants, 6-9 FTE (36-54 courses): $215K - $320K
  – Instructional computing labs: $100K increase in IUC funding
  – Other instructional needs: $90K - $195K

• New ICR revenues = $37K
  – Less than previously expected
  – Defer BST phase-out, increase in PI return

• 2012-13 budget cut = $380K
  – For 2013-14 only, use carry-forwards: 40% by dean’s office, 60% by departments
Average undergraduate student majors per 9-month, 50% TA
2012-13 projected as of April 2013
→ Ratio of COE graduate students to undergraduates = 0.31
→ Ratio of PhD to all graduate students = 0.68
Graduate Student Support
Monthly fall stipends for GSRs, TAs, Fellowships

Number of graduate students supported

<table>
<thead>
<tr>
<th>Year</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
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<tbody>
<tr>
<td>Count</td>
<td>955</td>
<td>1026</td>
<td>913</td>
<td>1024</td>
<td>999</td>
<td>982</td>
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</table>

$0 - $1,600,000
<table>
<thead>
<tr>
<th>FY 2012-13</th>
<th>Projected</th>
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<tbody>
<tr>
<td>Faculty salaries</td>
<td>21,408,516</td>
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<tr>
<td>Staff salaries</td>
<td>7,337,712</td>
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<tr>
<td>Employee benefits</td>
<td>9,126,655</td>
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<tr>
<td>Supplies &amp; expenses</td>
<td>2,874,268</td>
</tr>
<tr>
<td>Budgetary Savings Target</td>
<td>453,750</td>
</tr>
<tr>
<td>2012-13 budget reduction assigned to COE</td>
<td>380,000</td>
</tr>
<tr>
<td>OP tax</td>
<td>1,457,000</td>
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</table>

**Undergraduate Instruction**

| Teaching Assistants and Readers | 1,931,910 |
| Lecturers | 237,754 |
| Course materials | 93,685 |
| Instructional Computing (IUC) | 200,000 |

**Graduate Students and Research Support**

| Graduate student costs (Block grants, TOPS, DGSA) | 3,093,666 |
| Graduate program costs (GG Admin, Recruitment) | 117,212 |
| ACCD/Research proposals cost-sharing commitments | 220,000 |
| Renovation/Infrastructure upgrades (non-start up) | 568,000 |
| Safety upgrades | 40,000 |
| Other departmental research /instrumentation/NRT costs | 443,000 |

**Departmental & faculty support**

| Department chairs: stipends, summer salary | 240,000 |
| Faculty salary to School of Medicine (BME) | 182,895 |
| New faculty hires start up commitments | 604,081 |
| Faculty retentions and POP (commitments) | 125,000 |
| General, Automobile, and Employee Liability (GAEL) Insurance | 98,776 |
| ETTC | 180,000 |

**TOTAL USES**

51,414,000
## COE Budget Planning for 2013-14 ICR Changes

### Spring 2013

<table>
<thead>
<tr>
<th>Description</th>
<th>2012-13</th>
<th>2013-14</th>
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<tbody>
<tr>
<td>ICR generated within COE during 2011-12&lt;sup&gt;1&lt;/sup&gt;</td>
<td>$8,778,000</td>
<td>$8,146,000</td>
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<tr>
<td>Distribution percentage to colleges</td>
<td>34%</td>
<td>37%</td>
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<tr>
<td>ICR Distributed to COE</td>
<td>$2,980,000</td>
<td>$3,014,000</td>
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<tr>
<td>OP tax on all extramural expenditures&lt;sup&gt;2&lt;/sup&gt;</td>
<td>-$829,800</td>
<td>-$827,000</td>
</tr>
<tr>
<td>Benefits for ICR-supported staff&lt;sup&gt;3&lt;/sup&gt;</td>
<td>-$32,200</td>
<td>-$32,200</td>
</tr>
<tr>
<td><strong>Net ICR funds distributed to COE</strong></td>
<td>$2,118,000</td>
<td>$2,154,800</td>
</tr>
</tbody>
</table>

**Permanent commitments:**

- Return 10% to departments<sup>4</sup>                                      | -$877,800   | -$814,600   |
- 2011-12 budget cut<sup>5</sup>                                              | -$271,500   | -$271,500   |
- Future benefit increases                                                    | -$2,400     | -$2,400     |
- Retire BST, 50% in 2012-13<sup>5</sup>                                      | -$408,375   | -$408,375   |

**Remaining available funds**                                                 | **$557,925** | **$657,925** |

**Current-year uses under consideration:**

- Return 2%-3% of ICRs to PIs                                                 | -$175,600   | -$162,900   |
- ETTC operations: 2.0% to be matched by Provost<sup>5</sup>                 | -$131,700   | -$122,200   |
- Development, to replace expiring campus funding<sup>5</sup>                |             | -$150,000   |
- Allowance for new start-up commitments                                     | -$125,000   | -$100,000   |
- Allowance for college initiatives / cost-sharing                           | -$125,000   | -$100,000   |

**Subtotal - potential uses**                                                 | **-$557,300** | **-$635,100** |

**Balance: Net ICR less uses**                                                | **$625**     | **$22,825**  |

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<sup>1</sup> Excludes ICR related to ARRA funding. Also excludes $3,512K in Garamendi ICRs.

<sup>2</sup> In 2012-13, all campus units will pay a 1.52% tax on research expenditures to support UCOP operations.

<sup>3</sup> In 2012-13, all campus units will pay benefit costs for staff paid on ICR funds.

<sup>4</sup> Previous distributions from OVCR have been 8%-10%.

<sup>5</sup> Adjusted to approximate Garamendi contributions.