

# BOURNS COLLEGE OF ENGINEERING MEETING OF THE FACULTY

JUNE 10, 2016

AKULA VENKATRAM

CHAIR, EXECUTIVE COMMITTEE



# COMMITTEE MEMBERS



**Akula Venkatram**  
Mechanical Engineering  
Chair



**Srikanth Krishnamurthy**  
Computer Science & Engineering  
Vice Chair



**Hyle Park**  
Bioengineering  
Parliamentarian



**Alex Balandin**  
Electrical & Computer Engineering  
Member at Large



**Lorenzo Mangolini**  
Mechanical Engineering



**Amit Roy Chowdhury**  
Electrical & Computer  
Engineering



**Xin Ge**  
Chemical & Environmental  
Engineering



**Reza Abbaschian**  
Ex Officio



**China Ravishankar**  
Ex Officio



**Sharon Walker**  
Ex Officio



**Staff Support**  
Eilene Montoya



Roderick Smith



**Student Representative**

Faiz Mirza

# COMMITTEES OF THE ACADEMIC SENATE – **STANDING COMMITTEES**

1. **Academic Freedom – 1 BCOE/5 Members**
2. **Academic Personnel – 1 BCOE/10 Members**
3. **Charges – 1 BCOE/7 Members**
4. **Committees – 2 BCOE/12 Members**
5. **Courses – 1 BCOE/10 Members**
6. Distinguished Campus Service – 0 BCOE/5 Members
7. Distinguished Teaching – 0 BCOE/7 Members
8. **Diversity and Equal Opportunity – 1 BCOE/7 Members**
9. **Educational Policy – 2 BCOE/12 Members**
10. **Executive Council – 1 BCOE/24 Members**
11. Faculty Research Lecturer – 0 BCOE/5 Members
12. **Faculty Welfare – 1 BCOE/8 Members**
13. **Graduate Council – 2 BCOE/15 Members**
14. Grievance Consultation Panel– 0 BCOE/5 Members
15. **International Education – 1 BCOE/8 Members**
16. **Library, Information Technology and Scholarly Communication – 1 BCOE/7 Members**
17. **Memorial Resolutions – 1 BCOE/7 Members**
18. **Physical Resources Planning – 2 BCOE/7 Members**
19. **Planning & Budget – 2 BCOE/13 Members**
20. **Preparatory Education – 2 BCOE/11 Members**
21. **Privilege and Tenure – 1 BCOE/8 Members**
22. **Research – 2 BCOE/13 Members**
23. Rules & Jurisdiction – 0 BCOE/3 Members
24. **Scholarships & Honors – 1 BCOE/10 Members**
25. **Undergraduate Admissions – 1 BCOE/8 Members**
26. University Extension – 0 BCOE/ Members

**There are 26  
Committees  
and BCOE  
has a  
member in  
21 of them!**

# FACULTY LISTING OF THOSE SERVING ON SENATE COMMITTEES

- Matt Barth (ECE) – Physical Resources Planning
- Evangelos Christidis (CSE) – Library, Information Technology & Scholarly Communication
- Phillip Christopher (CEE) – International Education
- David Cocker (CEE) – Planning & Budget
- Ilya Dumer (ECE) – Committee on Committees
- Kaustabh Ghosh (BIEN) - Research
- William Grover (BIEN) – Physical Resources Planning (Chair)
- Yingbo Hua (ECE) – Academic Personnel
- Tao Jiang (CSE) – Preparatory Education
- David Kisailius (CEE) – Committee on Courses
- Srikanth Krishnamurthy (CSE) – Committee on Committees
- Stefano Lonardi (CSE) – Privilege & Tenure (Chair) & Academic Freedom
- Julia Lybovitsky (BIEN) – Faculty Welfare
- Suveen Mathaudhu (ME) – Diversity & Equal Opportunity
- Dimitrios Morikis (BIEN) – Scholarships & Honors (Chair)
- Tom Payne (CSE) – Graduate Council (Vice Chair)
- Mike Pazzani (CSE) - Research
- Marko Princevac (ME) – Undergraduate Admissions
- Amit Roy Chowdhury (ECE) – Graduate Council
- Christian Shelton (CSE) – Planning & Budget (Chair)
- Tom Stahovich (ME) – Educational Policy
- Akula Venkatram (ME) – Executive Council
- Sharon Walker (CEE) – Preparatory Education (Ex Officio)
- Albert Wang (ECE) – Memorial Resolutions
- Ian Wheeldon (CEE) – Committee on Charges
- Neal Young (CSE) – Educational Policy

Special thank you  
to those listed  
here who served  
during 2015-16!

But did you know  
this list only  
represents  $\approx 25\%$   
of our faculty?

## SYSTEMWIDE COMMITTEE REPRESENTATIVES (2 BCOE/17 MEMBERS)

- The Statewide Committee representatives represent the Riverside Division in the UC System-wide Academic Senate.



Tom Stahovich, ME



Stefano Lonardi, CSE

# JOINT SENATE/ADMINISTRATIVE COMMITTEES



- R' Courses Governing Board (3 members – 0 BCOE)
- Special Review Committee (5 members – 2 BCOE)
  - Marko Princevac (ME) & Phillip Christopher (CEE)
- Student Health Advisory Committee (1 member – 0 BCOE)
- Undergraduate Academic Integrity Committee (20 members – 4 BCOE)
  - Srikanth Krishnamurthy (CSE), Ming Liu (ECE), Mihri Ozkan (ECE) & Ian Wheeldon (CEE)
- Unit 18 Excellence Review Committee (4 members – 0 BCOE)



# HOW BUSY WAS THE BCOE EXECUTIVE COMMITTEE?



Aside from submitting the following standard reports:

- ❖ 2014-15 Annual Report of the BCOE Executive Committee
- ❖ Winter 2015 Conferred Report
- ❖ Spring 2015 Conferred Report
- ❖ Summer 2015 Conferred Report
- ❖ Fall 2015 Conferred Report

*We were charged with the following...*

# SYSTEMWIDE ITEMS REVIEWED

- Proposed Changes to SR 417 and SR 621
- Proposed Revisions to Presidential Policy on Sexual Violence and Sexual Harassment
- Search Waivers for Academic Appointees at the University of California
- Academic Internship Senate Proposal
- Professors Assigning Their Own Texts to Students
- APM 275-16-f(3): 1/6 limitation on appointments to Professor of Clinical X series
- APM -360 Librarian Series & APM 210-4



*All items are available for your reading pleasure upon submitting your request to [deansdesk@engr.ucr.edu](mailto:deansdesk@engr.ucr.edu) as we could spend hours going over all these matters.*



# CAMPUS ITEMS REVIEWED

- Endowed Chair's Policy
- CNAS Reorganization
- CNAS Request on Academic Minors
- CNAS Request on Academic Majors
- Graduate Division By-law change
- CHASS By-law change
- Committee on Educational Policy Membership Change
- UCRs 5-year Planning Perspectives

*All items are available for your reading pleasure upon submitting your request to [deansdesk@engr.ucr.edu](mailto:deansdesk@engr.ucr.edu) as we could spend hours going over all these matters.*



College of Humanities, Arts,  
and Social Sciences



# PROGRAM CHANGES

## COMPUTER ENGINEERING UNDERGRADUATE PROGRAM CHANGE

**Justification: Major requirements change to upper division g):** The CEN Committee felt that one four-unit course that covers the basics of Analog and Digital Signal Processing is an appropriate requirement for CEN majors. EE 110A and EE110B cover Analog and Digital processing, respectively, but the CEN committee felt that 8 units of signal processing was too much to require for CEN majors. The ECE Department created the EE 111 course in response to the CEN Committee's desire for a 4-unit signal processing course that could meet its requirements for CEN majors.

**Removal of EE 110A/B from technical electives:** EE 110A and EE 110B cover Analog and Digital Signal Processing respectively. The new required EE 111 course covers the aspects of these topics that are appropriate for CEN majors. Allowing CEN majors to take EE 110A and/or EE 110B as electives would allow students to earn credit for a significant amount of redundant course material. For these reasons, these courses should be removed from the list of CEN technical electives.

**Adding EE 165 to technical electives:** EE 165 is a new course created by the ECE department that covers design for reliability for integrated circuits and systems. This topic is well within the scope of Computer Engineering, and therefore EE 165 is appropriate technical elective course for CEN majors.

**Language regarding the undergraduate faculty advisor:** The original language was appropriate for an earlier time when the CEN major was jointly administered by the CS and ECE (then EE) departments. CEN is now a standalone Program with its own chair and its own undergraduate faculty advisor. The CEN committee voted to change the language so that the CEN chair and undergraduate faculty advisor to perform these functions, not the respective CS and ECE chairs and faculty advisors.

**Approvals:** [Computer Engineering Faculty: November 25, 2015](#) | [BCOE Executive Committee: January 12, 2016](#) | [Committee on Educational Policy: February 12, 2016](#)

## COMPUTER SCIENCE UNDERGRADUATE PROGRAM CHANGE

**JUSTIFICATION:** The faculty examined and conducted a regular analysis of our requirements. In doing so, we came to the conclusion that the courses in the (g) category (select two of four courses, which were math and logic courses) no longer deemed "required" status, given the direction the field of computer science has taken over the past decade and the direction that the field is heading. Thus, we moved two of (g)'s four courses into the list of allowable technical electives; the third was already listed there, and the fourth was lower-division so not allowable as a technical elective (and not really appropriate as a technical elective anyways). We decided the number of technical elective units (28) was still appropriate to properly train and expose students, and thus if students might need additional units to graduate, they could choose from any of the excellent courses offered across campus (or choose additional courses from the technical elective list if they wish). However, with the additional courses in the technical elective list, we decided to require that at least half the technique elective units come from CS courses, because while the math and logic courses that already existed and that were recently added are all excellent and appropriate for technical elective credit for a CS major, we also want to ensure every student has an appropriate exposure to upper-division CS-focused coursework.

**APPROVALS:** [Faculty of Computer Science and Engineering: February 10, 2016](#) | [Executive Committee: February 26, 2016](#) | [Committee on Educational Policy: March 11, 2016](#)

# PROGRAM CHANGES

## ■ BUSINESS INFORMATICS UNDERGRADUATE PROGRAM CHANGE & CHANGE OF NAME OF MAJOR

### JUSTIFICATION:

The CSE faculty voted to change the program name of Business Informatics to better reflect the overall content and direction of the major as it relates to both Business and Computer Science within BCOE. (Approved by the faculty of the Department of Computer Science and Engineering on March 9, 2016.)

The Computer Science and Engineering faculty re-examined the upper division requirements and felt that reducing the business elective units was appropriate, still having students take a substantial number of business courses, but also providing a good balance between CS and Business courses.

### APPROVALS:

Approved by the faculty of the Department of Computer Science and Engineering:	March 30, 2016
Approved by the Executive Committee of the Bourns College of Engineering:	April 13, 2016
Approved by the Committee on Educational Policy:	May 9, 2016

## ■ CHEMICAL & ENVIRONMENTAL ENGINEERING UNDERGRADUATE PROGRAM CHANGE

### Justification:

1. Electrochemical Engineering (CHE 131) is a four unit course with content relevant to many chemical engineering industries, complements other listed technical electives (e.g., CHE 102, CEE 135, and CEE 132), complements the core curriculum (e.g., CHE 100, 122, and 130), and provides student with fundamental knowledge in engineering of electrochemical processes.
2. Analytical Methods (CEE 125) is a four unit course that is currently listed as a required course for the Chemical Engineering option. The content is relevant to the Chemical Engineering option, but should not be mandatory for all students in the option as it limits students in the selection of other technical elective options.
3. To meet the minimum of 18 units for the option the number of units from technical electives must be sixteen (16) with an additional two (2) units from the required CEE 010 course.

### APPROVALS:

Approved by the faculty of the Department of Chemical & Environmental Engineering: November 18, 2015  
Approved by the Executive Committee of the College of Engineering: February 26, 2016  
Approved by the Committee on Educational Policy: March 10, 2016

# COURSES, COURSES, COURSES

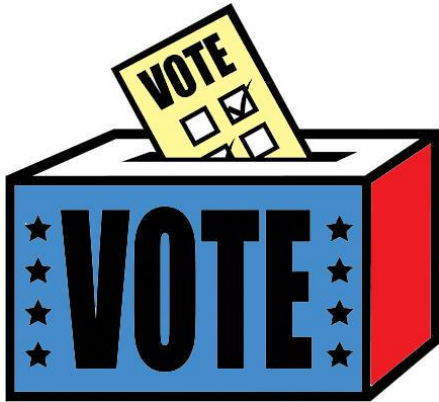
NEW	CHANGED	DELETED
CEE 136 CSE 175 EE 123V EE 153V EE 175W ENGR 181W ME 175D	BIEN 101 BIEN 110 BIEN 140A BIEN 140B BIEN 159 ChE 100 ChE 122 ChE 130 ChE 139 CEE 125 CEE 135 CEE 140A CEE 140B CEE 159 CEE 159A CS 005 CS 008 CS 010 CS 011 CS 012	CS 013 CS 014 CS 030 CS 061 CS 111 CS 122A CS 121 EE 001A EE 01LA EE 010 EE 020 EE 114 EE 123 EE 153 EE 155 ENGR 160 ENVE 133 ENVE 135 ME 176
		CS 010V CS 012V CS 049E CS 133 CS 151 CS 049M CS 049Y CS 066 CS 067 CEE 147 EE 002 EE 123V EE 153V EE 155V EE 160 ENGR 160V



# IT'S THAT TIME....TIME TO...

Bylaws of the Riverside Division (7.2.8): when a single nomination is received, the Secretary/Parliamentarian at the meeting of the BCOE faculty, announces the single nomination and the Chair calls for additional nominations from the floor.

- ☐ *If there are further nominations, the matter is moved to a ballot vote.*
- ☐ *If no additional nominations are forthcoming, a motion is called for to instruct the Secretary to cast a single ballot for the nominee, thus concluding the election.*

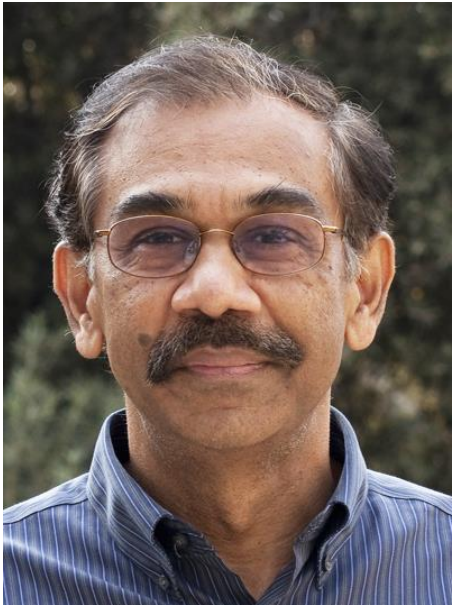


- Dimitrios Morikis as BIEN Representative
- Thomas Stahovich as Executive Committee Chair





# SPECIAL THANKS TO...



Akula "Venky" Venkatram  
For serving as BCOE  
Executive Committee Chair  
for the past 3 years



B. Hyle Park  
For serving as Parliamentarian  
and BIEN Representative for  
the past 3 years



Faiz Mirza  
For serving as the Student  
Representative for the  
2015-16 academic year

