

Chairs' & Center Directors' Meeting Minutes

Date: May 18, 2009 (12:00 to 2:00 pm)

Location: EBU II – Room 443

Attendees: Abbaschian, Reza
Aguilar, Guillermo (for Shankar)
Balandin, Alex
Barth, Matt
Bhuyan, Laxmi
Boretz, Mitch
Dexter, Jim
Haddon, Robert
Hartney, Pat
Lake, Roger
Matsumoto, Mark
Parker, Linda
Payne, Tom
Ravi
Schultz, Jerry

Absent: Bhanu, Bir
Mahalingam, Shankar
Norbeck, Joe

The agenda for the meeting is shown in Appendix 1.

1. Welcome and call for agenda items - Reza

Reza welcomed Guillermo who is substituting for Shankar at today's meeting. Roger asked that the topic of ledger reconciliation/certification be added to the agenda.

Reza stated that the campus has re-organized some administrative functions with the departure of Vice Chancellor of Administration (VCA) Al Diaz. The VCA position and CFAO position that reported to the VCA are being eliminated. Physical Plant will now report to Gretchen Bolar in Academic Planning and Budget (APB). APB is being renamed Finance and Business Operations. The strategic and resource planning functions are being re-assigned from APB to the EVCP's Office. Audit and Athletics will now report to the Chancellor's Office. Dining Services will report to Jim Sandoval, the VC for Student Affairs. Estimated savings resulting from these reorganizations are about \$500K per year. These reorganizations are effective today (5/18/09). Also, Reza reminded the Chairs of the Chancellor's Town Hall meeting at 9:30am on Thursday (5/20/09). He encouraged BCOE faculty to attend. The Chancellor will be presenting the administrative re-organization along with his budget reduction recommendations. Reza was a member of the Steering Committee that made budget recommendations to the Chancellor.

2. Approval of Minutes - Pat

The revised minutes of the May 4th Chairs/Directors meeting were unanimously approved.

3. Commencement – Ravi/Mark

Ravi noted that ME nominated a student to be the undergraduate speaker at BCOE's Commencement. The undergraduate marshal will be a Bioengineering student. The Tassel Turner will be selected in coordination with ASUCR. Although this will be a BCOE-only event, the logistics are being managed by the campus. Mark has received nominations from EE and CS for the graduate student marshal. Mark expects about 40-50 PhD students to graduate this year. Jim is investigating music and arrangements for the BCOE Reception following Commencement. Jim will send a message to the Chairs this week with a general description of the Commencement and Reception activities. Reza encouraged each department to organize its own event as part of the College's overall Reception. This will offer graduating students and their families a time to interact with department faculty. Reza asked Chairs to encourage their faculty to attend the Commencement, particularly since this year's event is not a joint event with CNAS. Jim will let the Chairs know how many faculty (in addition to the Chairs) will be able to sit on the Commencement podium.

4. Tech Horizons (Post Conference) - Ravi

Ravi reported that the NSF Workshop that comprised the first two days of Tech Horizons 2009 (TH09) went well. There were several high-profile attendees, including NSF and ONR Program Managers. He received very positive feedback from attendees. The Proceedings of this Workshop will be published which will provide additional visibility for BCOE. Although there were over 125 registered for Wednesday's TH09 program, only a small number actually attended the presentations. Ravi was particularly disappointed in the lack of BCOE faculty attendees. Reza felt that more graduate students should have attended, particularly from CSE and EE. It was noted that the keynote speeches, tech presentations and Panel discussion went well.

5. Named Term Chair Professorship - Linda

Linda called attention to the documents attached to the agenda. Reza, along with the Dean of AGSM, helped to spearhead the effort to establish the new category of Named Term Chair Professorship. Linda explained that this new category can be funded by either a (minimum) \$360,000 gift or (minimum) \$360,000 endowment. The gift funds will be allocated to the Named Term Chair Professor over three years. Likewise, the annual spendable interest from an endowment will be allocated to the Named Term Chair Professor over three years. These funds can be used for research, travel, grad student support, etc. Reza noted that major purposes of this Professorship are to retain BCOE faculty or to attract new faculty. Reza also noted that previously, UCR had one of the highest minimum amounts for endowed chairs in the UC system which limited the number of Chairs that could be established.

6. Council of Advisors - Linda

The next BCOE Council of Advisors meeting is scheduled for two half-days starting at 11am on Friday, June 5th and ending at noon on Saturday, June 6th. This two-day scheduled was preferred by the Advisors.

7. BCOE College Year-End Meeting – Reza

After discussion, it was decided to add the June 5th, 4:15 – 5:15pm College Year-End presentation to the Council of Advisors' agenda. The Advisors will join in the Reception following the Year-End meeting. This will enable Advisors to meet informally with BCOE faculty.

8. Departmental updates

CE-CERT: Matt noted that CE-CERT is continuing to work on developing a Solar Initiative.

Bioengineering: Jerry reported that Julia Lyubovitsky has received an NSF Career Award.

ME: no news was reported.

EE: Roger noted that EE received only \$15K out of the \$690K in Indirect Costs generated last fiscal year. Reza responded that the campus is considering a new Indirect Cost Recovery Return policy that will return much more to the units generating these funds. If this new policy is approved, BCOE will need to develop a new internal IDC Return policy with departments. Reza expects this new BCOE policy will include the requirement of departments to share in the Initial Complement allocations of new departmental faculty.

CEE: Yushan reported that there is a significant increase in the number of incoming Environmental Engineering freshmen. He expects that there will be two more incoming grad students than last year. David Kisailus received notifications for two awards (NSF and Air Force) totaling about \$900K. CEE's new faculty member, Akua Asa-Awuku, is scheduled to arrive by July 1, 2009. She already has a grant. Yushan has submitted a pre-proposal letter for an NSF Engineering Research Center (ERC). Reza congratulated Yushan on receiving two major research awards. Also, Reza noted that there were 14 BCOE faculty members at the recent Chancellor's Reception for faculty who received significant research funding over the last year.

CSE: The department's offer to Philip Brisk has been verbally accepted. We are awaiting his formal reply.

MSE: The CCJ committee has approved the MSE graduate program. The formal notification should be received within 30 days. Due to the late approval of this program, there's no Grad Division Fellowship funding available for MSE grad students this coming year. However, Alex hopes to attract a few students that can be funded by grant funds during their first year. Alex is also working to update MSE's website and will discuss the program's current budget deficit with Pat. Alex noted that there needs to be a policy between the MSE program and BCOE departments on teaching workload for MSE faculty. Reza asked that Alex work with the Chairs and to present a proposed procedure at the next Chairs Meeting.

Master's program: Tom received feedback from the Grad Division on the On-line MSEng Program proposal. Although very detailed, he appreciated this feedback.

CNSE: Reza noted that construction on the MSE Building is scheduled to be re-started in June 2009. There will be a joint BCOE/CNAS committee to determine outfitting needs of the building. Reza will ask 3-4 BCOE faculty to participate.

9. Graduate Education/Recruitment - Mark

Mark distributed three handouts. The first presented a summary of grad student applications, admits and SIR's to date. According to this Grad Division data, the number of BCOE SIR's is 111 compared to our target of 130. However, according to the second handout, the GradSIS system indicates that there are 133

BCOE grad student SIR's. The lower Grad Division figure does not include international students that have not completed their financial support information. Mark also noted that there are 30 offers still pending. The last handout presented trend graphs by BCOE department of grad student offers, acceptances and SIR's.

Pat announced that the Graduate Student Program Assistants in EE and CEE were finally reclassified from AAIH's to SAOI's. This reclass process took over two years, due mostly to the necessity of obtaining Clerical Union (CUE) approval of these reclasses. Reza indicated that EE and CEE should now expect more from these positions including more active involvement in grad student recruitment efforts.

10. Undergraduate Education - Ravi

Ravi reported that there are 633 undergraduate SIR's this year. The normal summer 'melt' is about 12%. He expects that there will be about 20% more incoming BCOE freshmen than last year. There are 22 transfers so far. The deadline for transfers is 6/1/09. Ravi suggested that BCOE consider more restrictive admissions requirements next year. One way to implement this would be to re-institute the Pre-Engineering designation. Incoming students with lower scores and/or grades would be designated as Pre-Engineers until they could demonstrate they can meet departmental requirements. Use of this designation might raise BCOE's selectivity and retention ratings (which are used in the US News and World Report rankings).

Ravi also noted that Chairs will need to present their quarterly ABET status reports at the next Chairs/Directors meeting.

11. Lecturer Appointments - Reza

Reza asked Chairs to carefully evaluate their needs before appointing Lecturers, particularly Permanent Lecturers. Any Lecturer that has been hired for 18 quarters qualifies for a Permanent Lecturer position. Departments need to provide one year termination notice to Permanent Lecturers.

12. Workload Policy - Pat

Pat distributed a revised BCOE Course Buyout Request Form. This revised draft adds the statement that course buyouts cannot be requested during the same term that a (full or partial) sabbatical leave has been granted. Pat indicated that this clarification resulted from a recent issue in EE. Laxmi recommended that the form be revised to delete the necessity to provide projections of courses that are scheduled to be taught by the faculty member (requesting the course buyout) in the academic year following the buyout. Laxmi stated that it's difficult for CSE to accurately project this course information. Reza responded that departments should provide the best information available, even if it's a statement that the faculty member will teach a normal 4 unit load the following year.

13. Other

Due to time constraints, the topic of ledger reconciliation/certification will be discussed at the next Chairs/Directors meeting.



Chairs' & Center Directors' Meeting

May 18, 2009

Agenda

Engineering Building Unit II – Room 443

- | | | |
|-----|---|-----------|
| 1. | Welcome - Request for Agenda Items from the Floor | Reza |
| 2. | Approval of Minutes from May 4, 2009 Meeting | Pat |
| 3. | Commencement | Ravi/Mark |
| 4. | Tech Horizons – Post Conference | Ravi |
| 5. | Named Term Chair Professorship | Linda |
| 6. | Council of Advisors – June 5 | Linda |
| 7. | BCOE College Year-End Meeting – June 5 | Reza |
| 8. | Departmental Updates | |
| 9. | Graduate Education/Recruitment | Mark |
| 10. | Undergraduate Education | Ravi |
| 11. | Lecturer Appointments | Reza |
| 12. | Workload Policy | Pat |

Circulation: Engineering the Future
Term Professorship

The next scheduled meeting will be

Monday, June 1, 2009

Please note: Meetings will be held in EBU II – Room 443

RECOMMENDED MINIMUM LEVELS FOR ENDOWED FUNDS UNIVERSITY OF CALIFORNIA, RIVERSIDE

Approved February 2003
Amended 6/11/07; 5/13/09

The University of California, Riverside is grateful for charitable gifts, and seeks to honor leading donors to university programs. One significant way to pay tribute to generous supporters is to name the program or facility that has benefited from the donor. Each of the endowments listed below provides an opportunity to permanently associate the donor's name with UC Riverside while enhancing the quality of the University's research and scholarship. These dollar figures reflect the minimum amount necessary for *adequate funding*; all of these endowments would be enhanced by a gift in excess of the minimum.

All minimum endowment levels may increase for funds established in future years (such as through planned gifts or by bequest.) Reference to this possibility will be noted in planned giving or bequest language. *"UCR is deeply grateful for gifts that establish named endowment funds--such beneficence provides support for generations to come. Minimum levels necessary to establish endowments are subject to change. If, at the time of distribution to the University, the amount is not sufficient to establish an endowment, the funds will be used to establish a current restricted fund for purposes so designated in this document."*

Named Endowment Minimums

<i>Named Endowed Chair Minima</i>	
Distinguished Professorship	\$ 1,500,000+
Endowed Chair/Sciences, Engineering, Business	\$ 1,000,000+
Endowed Chair	\$ 500,000 -750,000+
Named Term Chair	\$360,000

<i>Named General Endowment Minima</i>	
Visiting Professor	\$ 350,000+
Faculty Research & Teaching Fund	\$ 100,000-200,000+
Graduate Fellowship	\$ 200,000+
Athletic Scholarship	\$ 150,000+
Undergraduate Scholarship:	\$ 75,000 -100,000+
Distinguished Lecturer Fund	\$ 100,000+
Library Collection Endowment Fund*	\$ 10,000+
Dean's Fund for Academic Leadership	\$ 50,000+
Departmental Fund for Academic Excellence	\$ 25,000+
Named Awards/Prizes	\$ 25,000+

How You Can Establish an Endowment for Student Support

Type of Support	Minimum Gift	Pledge over Five Years	Approximate Annual Value to Student
General Student Support/Awards/Prizes	\$25,000 to \$50,000+	\$5,000 to \$10,000 per year/five years	\$1,000 to \$2,125
Undergraduate Scholarship	\$75,000+	\$15,000 per year/five years	\$3,290
Athletic Scholarship	\$150,000+	\$30,000 per year/five years	\$6,375
Graduate Fellowship	\$200,000+	\$40,000/per year/five years	\$8,500

Reza Abbaschian

From: Judy Lehr [judy.lehr@ucr.edu]
Sent: Wednesday, May 13, 2009 4:47 PM
To: 'Reza Abbaschian'; david.stewart@ucr.edu; tbaldwin@ucr.edu; 'Stephen Cullenberg'; 'Steven Bossert'; Sharon Duffy UNEX Dean; 'Carolyn Stark'; Craig Byus; 'Stan Morrison'; ruth.jackson@ucr.edu; gretchen.bolar@ucr.edu; Dallas Rabenstein; 'Anthony Norman'; Lana Conrad; 'Brent Hunter'; 'Jan Opdyke'; Jan Forrester; 'Julie Hall'; 'Pat Kohlmeier'; Linda Parker; 'Holly Preble'; 'Marie Schultz'; 'Cecilia Soriano'; evie.tole@ucr.edu; Tony Truong PG; Eric Ontiveros; jennifer.paugh@ucr.edu; Julia Nemeth; natasha.kashefipour@ucr.edu; peterh@support.ucla.edu; Tracy Cordova; wanda; 'Theresa Farrell'; 'Cristi Hendry'; 'Lisa Wilson'; Betty Lord Vice Provost; Karen Hruby; Katina Napper
Cc: 'Dan Aldrich'; 'Georgia Elliott'
Subject: new chair level - Named Term Chair
Attachments: Named Term Chair for the University of California, Riverside approved May 13, 2009.pdf; UCR Endowed Minima Levels approval.doc

Dear Colleagues:

I am pleased to let you know that, following many months of discussion, review, editing and approvals through the campus leadership, the **Named Term Chair**, a new category of chair at UCR, was approved by Chancellor Timothy White today. VCUA Dan Aldrich, Associate Vice Chancellor for Development Georgia Elliott and I thank all of you who lent time and insight into effort.

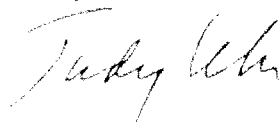
Developed after discussion with Dean Reza Abbaschian and Dean David Stewart, this new category of chair will be funded at \$360,000, a lower level than UCR's current endowed chairs. The Named Term Chairs will fall into two funding categories: **I. Current restricted funds** created with gifts of \$360,000 for each chair (the named chair ends when the gift is done) and **II. Endowment funds** created with gifts of \$360,000 for each chair (which will last in perpetuity). Named Term Chairs will be established and administered in accordance with the **UCR Endowed Chair Policies and Procedures: Establishment, Administration, and Appointment of Faculty** approved by the campus on June 15, 2006.

The Named Term Chairs will provide UCR colleges and schools opportunities to:

- Support the research activities of outstanding and/or promising faculty or visiting professors for a minimum period of three years; or,
- Provide attractive incentives to assistant professors to join the UCR faculty with a named chair and research funding for at least three years; or,
- Work with donors (e.g. corporations) who may not fund endowment.

I have attached the documentation which provides the explanation of the Named Term Chair, as well as the updated UCR Approved Endowed Minima Levels. Should you have questions, please call.

Sincerely,



Judy Lehr

Judy Lehr, Executive Director
Donor Research & Relations and Gift Administration
Secretary, UC Riverside Foundation
Office of Development
257A Highlander Hall
University of California
Riverside, CA 92521
951-827-2295 judy.lehr@ucr.edu

Named Term Chair for the University of California, Riverside

In response to requests from David Stewart, Dean, The A. Gary Anderson Graduate School of Management and Reza Abbaschian, Dean, Marlan and Rosemary Bourns College of Engineering, the campus has approved a new category of chair -- ***Named Term Chair*** -- for the University of California, Riverside. ***Named Term Chairs*** will be funded at a lower level (\$360,000) than UCR's current endowed chairs and will provide UCR colleges and schools the means to take advantage of opportunities to:

- Support the research activities of outstanding and/or promising faculty or visiting professors for a minimum period of three years; or
- Provide attractive incentives to assistant professors to join the UCR faculty with a named chair and research funding for at least their first three years.

The ***Named Term Chairs*** enable a school or college to:

- Offer preemptive retention packages to, and/or recognition for, junior or mid-career faculty;
- Attract outstanding junior faculty and/or highly respected visiting professors who would find such an added honor and income stream a tangible incentive;
- Recruit or retain talented faculty for a period of time until permanent funding can be secured;
- Provide donors with an additional giving opportunity that includes not only this naming possibility, but the honors that go along with naming a chair during the term of the gift; and,
- Offer UCR a way to honor donors who choose to give at a lower level (\$360,000) to establish named chairs.

Currently the closest naming opportunity UCR offers donors is the ***Named Visiting Professor***. Requiring an endowment of \$350,000+, this named professorship fund provides funding necessary to bring prominent scholars or other leaders to campus annually, on a short-term, temporary basis to teach or undertake research.

The ***Named Term Chair*** will fall into two funding categories: ***I. Current restricted funds*** created with gifts of \$360,000 for each chair, and ***II. Endowment funds*** created with gifts of \$360,000 for each chair. These named term chairs will be established and administered in accordance with the ***UCR Endowed Chair Policies and Procedures: Establishment, Administration, and Appointment of Faculty*** approved by the campus on June 15, 2006.

I. NAMED TERM CHAIRS FUNDED THROUGH CURRENT RESTRICTED GIFTS

The current restricted ***Named Term Chair*** will be funded with a gift of \$360,000. While the gift of a current restricted ***Named Term Chair*** is not made in perpetuity, it is meant to provide a college or school with a flexible source of funding to attract, retain, or invite outstanding faculty to UCR, in accordance with UCR Endowed Chair Policies and Procedures. The current restricted ***Named Term Chair*** will:

- Enhance an existing college or school FTE by providing a source of unrestricted funds for purposes such as research, research-related work (travel, graduate student assistants, etc.), or summer salary to a prominent visiting professor, a high-ranking UCR professor or promising faculty member.

- Have a minimum funding level of \$114,000 per year, to be renewed each year pending receipt of the donor's pledge payment, for a minimum term of three years (total minimum gift/pledge \$360,000).

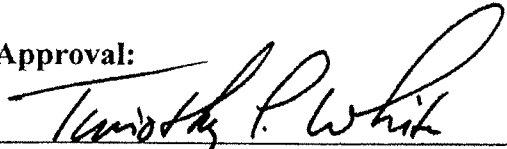
During the designated term, the faculty member will hold the chair named for the donor. Once the fund is expended, the chair will come to an end, unless the donor wishes to extend the funding. If, within one year following the conclusion of her/his appointment, the chair holder has not expended the available funds, those funds will be available to the college/school for the purpose to be determined by the Dean in consultation with the responsible department chair and with consideration of the donor's intent.

II. NAMED TERM CHAIRS FUNDED THROUGH AN ENDOWMENT

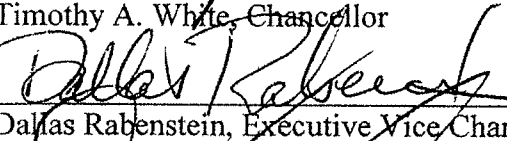
The **Endowed Named Term Chair** will be funded with a gift of \$360,000 to create a chair endowment, in accordance with UCR Endowed Chair policies and procedures. The **Endowed Named Term Chair** will provide support to promising junior faculty members, for example new assistant professors, with \$10,000 or more each year (based upon the UC Riverside Foundation distribution rate, currently 4.75% less applicable campus gift and administrative fees) for three years when there is distribution available. During that period of time (term), the faculty member will hold the chair named for the donor. At the end of the term, the Dean, in accordance with UCR policies and procedures, may either renew the term of the current chair holder for an additional term, or name a new faculty member to the **Endowed Named Term Chair**.

It is assumed that over time, through additional gifts and prudent investment policies, these **Endowed Named Term Chair** endowments will grow. As the corpus grows, in accordance with existing UCR policies and procedures, the Dean of the College, School or Unit which benefits from this fund, may chose to fund additional chairs named for the donor and/or increase the distribution to the existing chair holders.


Approval:


Timothy A. White, Chancellor

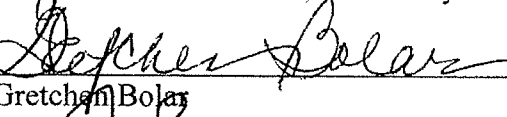
May 13, 2009
Date


Dallas Rabenstein, Executive Vice Chancellor & Provost

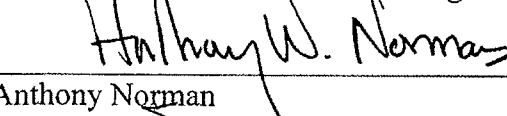
05/12/09
Date


Daniel Aldrich,
Interim Vice Chancellor, University Advancement

05/12/09
Date


Gretchen Bolan
Vice Chancellor Academic Planning & Budget

12 May 09
Date


Anthony Norman
Chair, Academic Senate, Riverside Division

May 7, 2009
Date

RIVERSIDE

Bourns College of Engineering

Council of Advisors Meeting Agenda June 5-6, 2009: EBU II 205/206

Friday, June 5

- | | |
|-------------------|---|
| 11:00 am – Noon | Interactive Session |
| Noon - 1:00 pm | Lunch/Welcome & Introductions: Gordon Bourns, Council of Advisors Chairman |
| 1:00 pm – 1:15 pm | Remarks: Executive Vice Chancellor and Provost Dallas Rabenstein |
| 1:15 pm – 1:45 pm | Interactive Session with Dallas Rabenstein |
| 1:45 pm – 2:00 pm | Dean's Overview: Reza Abbaschian |
| 2:00 pm – 2:15 pm | Break |
| 2:15 pm – 4:15 pm | Department Highlights <ul style="list-style-type: none">• Bahman Anvari: Biophotonic Activities in the Bioengineering Department• Marko Princevac: Fluid Dynamics Research in Air Quality & Fire Engineering• Yusan Yan: New Materials for Sustainable Energy Systems• Sakhrat Khizroev: From Magnetic Memory to Molecular Electronics |
| 4:15 pm – 5:15 pm | Lab Tours <ul style="list-style-type: none">• Bir Bhanu: Center for Research in Intelligent Systems: CRIS• Victor Zordan: Computer Science/Motion Capture• Robert Haddon: The Cleanroom |
| 6:00 pm – 8:00 pm | Dinner |

Saturday, June 6

- | | |
|---------------------|---|
| 7:30 am - 8:45 am | Breakfast/General Discussion |
| 8:45 am - 9:15 am | Development Update <ul style="list-style-type: none">• Dan Aldrich, Interim Vice Chancellor for Advancement• Linda Parker, Assistant Dean of Development |
| 9:15 am - 10:15 am | New Programs and Initiatives <ul style="list-style-type: none">• Mitch Boretz – So Cal Research Initiative for Solar Energy: SC-RISE• Thomas Payne, Professor – The Proposed Online MS degree in Engineering• Chinya Ravishankar, Associate Dean - Academic & Professional Success Programs |
| 10:15 am – 10:30 am | Break |
| 10:30 am -11:30 am | Executive Session |
| 11:30 am – Noon | Closing meeting with Dean Reza Abbaschian |
| Noon | Lunch |

Engineering The Future

Thursday, 07 May 2009

By Chris Levister --

When xenon ions are emitted at such high speed as exhaust from a spacecraft, why do they push the spacecraft in the opposite direction? Can wind and solar energy power electric cars? Do all brands of diapers absorb the same amount of liquid?

Does it matter what the liquid is (water as opposed to juice or...um...urine)? There was plenty of giggling and highbrow probing at the Los Angeles Council of Black Professional Engineers' 30th Annual Awards and Scholarship Banquet, Friday. Not the normal dinner table discussions, but for dozens of young inquiring minds lofty curiosities were the stuff of award winning experimentation, research and creativity.

"My Dad and I used to sit on the porch at night and look up at the sky. He would say that's space son. Now I look up at the sky and say that's cyberspace, Dad, it's the future," said aspiring computer science engineer, 6th grader Gregory James. James is building a computer he hopes will serve as a prototype for future machines linking earth with the space station.

As the public's thirst for knowledge drives the construction of the information super highway, African-American engineers must ensure that there are on ramps in the Black community. That was the message from keynote speaker Dr. Wanda M. Austin, President and CEO, The Aerospace Corporation, a leading architect for the nation's national security space programs.

Austin told a room full of aspiring and professional engineers, scientists, and parents, the challenge for educators starts early. Fewer African-American students than whites receive adequate preparation for college in general. "and its more pronounced in science, technology, engineering and mathematics, the STEM subjects." Most African-American students said Austin, aren't exposed to engineering as a career option, and fewer are prepared to study it. Out of those who do pursue engineering in college, more than half drop out.

According to the National Action Council for Minorities in Engineering (NACME), while African-Americans make up nearly 13 percent of the U.S. population, they earned 4.9 percent of the engineering undergraduate degrees awarded in 2007.

Set against the country's overall shortage, which will be exacerbated in coming years by the retirement of baby boomers, the need to tap into the potential of underrepresented minorities has become more urgent – both for educators and industry said Austin.

"Many in the Black community have achieved, and their accomplishments are the headlights for budding engineers to enter the foggy atmosphere of the 21st century. The burden is that the mainstream is polluted and it is the responsibility of Black engineers to not only swim in it but to decontaminate it for all those who may follow," said LACBPE president Leroy Freelon, Jr.

Indeed, African-Americans are underrepresented across STEM professions, accounting for only 5.3 percent of doctors, for example. Studies show engineering prerequisites, like calculus and physics, may not even be offered in some urban high schools with large numbers of African-American students. Only 12 percent of African-Americans take pre-calculus, compared with 25 percent of white students and just 5 percent go on to take calculus.

There are signs of change, however. In recent years corporations like Motorola, Shell Oil, Northrop Grumman, Raytheon and Southwest Airlines and their foundations have begun to step to the plate to fund more outreach initiatives for African-American students.

"Because of the relatively small number of practicing Black engineers and even fewer engineering faculty, African-American students lack exposure to role models," said Ernest C. Levister, Jr., a chemical engineer, physician and lifetime LACBPE member.

There were 11 African-American engineering deans in 2007 out of more than 360 deans at accredited schools nationwide. And of the engineering faculty with Ph.D.s at four-year institutions, 4 percent are African-Americans he said. Levister sponsored UC Riverside professor of Bioengineering Victor Rodgers, Carole Sanders, P.E. senior resident engineer Lim & Nascimento Engineering Corp. of Rialto along with seven UCR engineering and business students attending the event.

"It was great to see what the future has in store for us as professional engineers and it was very inspiring to see so many professional local black engineers still positively impacting the community," said Nema Blyden, president of UCR Chapter of the National Society of Black Engineers.

Eight 4-11th graders received awards as part of the LACBPE's award winning EXCELL Program. The academically innovative project provides intense mentoring and instruction in Math, Physics, Chemistry, Biology and the hands on use of computers. 30 to 40 volunteers teach and administer the program on Saturday mornings at California State University Dominguez Hills.

Seven students were awarded Al-Ben Scholarships ranging from \$500 to \$1,500 each. The Al-Ben Scholarship is named after two founding members of the LACBPE, Al Richardson and Benito Sinclair.

"How many IMhoteps or Einsteins see their dreams fade because they lack encouragement, or access to quality science education in their community," said Clint Simmons, P.E.

"Reginald Lewis purchased Beatrice Foods, Robert Johnson brought the Black Entertainment Network (BET) to Wall Street, Dr. Ron McNair took the National Society of Engineers to space. Now our youth must boldly lead us into cyberspace."

Close Window

2009-10 BCOE GRADUATE RECRUITMENT TARGETS
2009-10 CAMPUS TARGETS

Dept	M.S.	Ph.D.	Total	Accepts	% of Target	College	Total	To Date	% of Target
BIEN	5	10	15	5	33.3%	BCOE	130	111	85.4%
CEE	2	18	20	20	100.0%	CHASS	201	205	102.0%
CSE	10	30	40	39	97.5%	CNAS	231	146	63.2%
EE	15	30	45	38	84.4%	DBS	4	4	100.0%
ME	2	8	10	9	90.0%	GSOE	16	52	NR
Subtotal	34	96	130	111	85.4%	Subtotal	566	466	82.3%

Graduate Division Data as of May 13, 2009

International Students									
Program	Apps			Admits			Accepts		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
BIEN	17	27	28	5	8	1	4	5	1
CEE	84	85	114	26	25	30	16	14	17
CS	271	407	440	57	93	83	23	42	24
EE	277	424	429	77	84	60	33	34	32
ME	76	92	68	42	15	8	26	6	2
Total	725	1035	1079	207	225	182	102	101	76

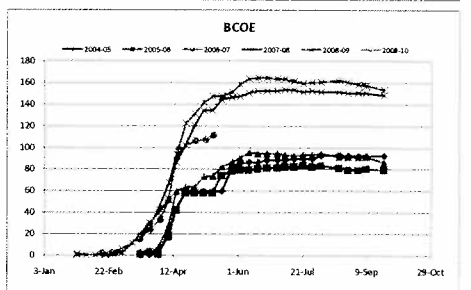
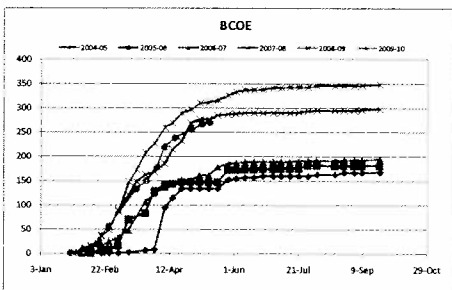
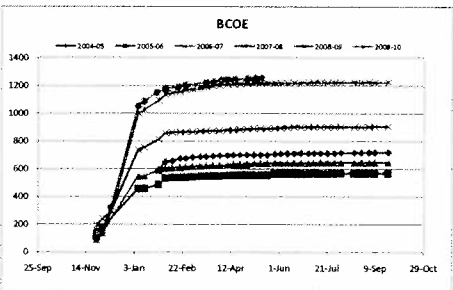
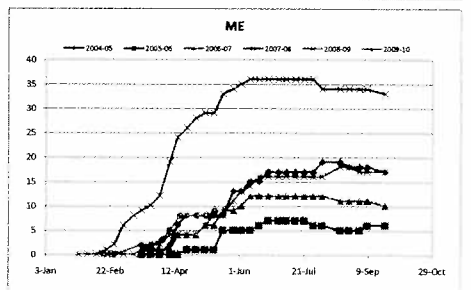
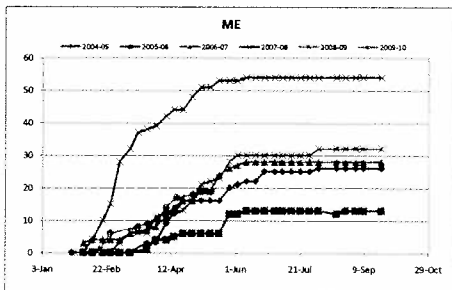
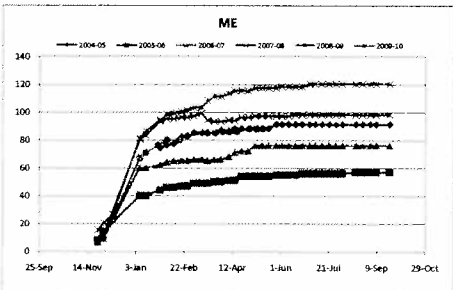
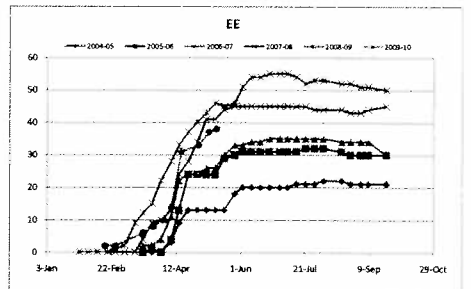
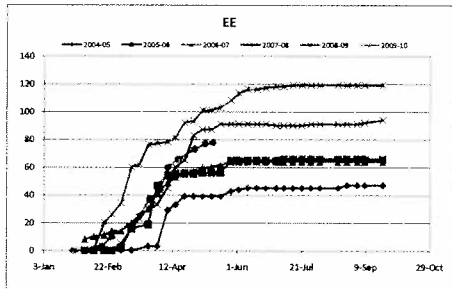
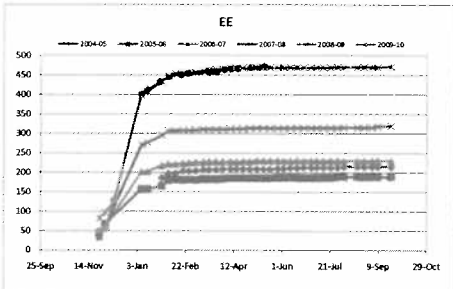
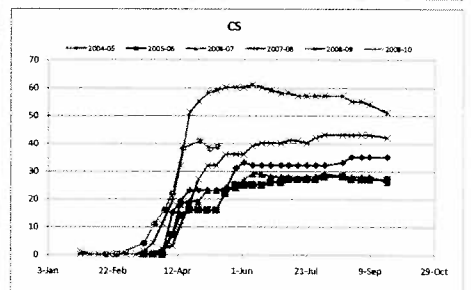
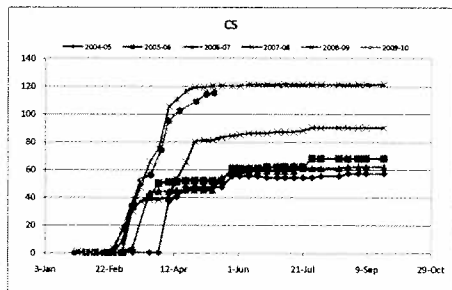
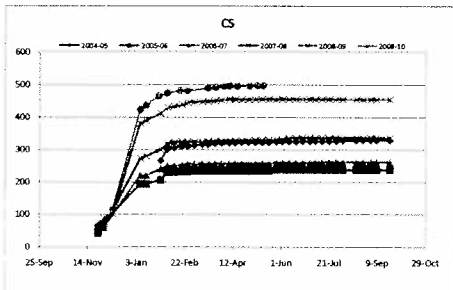
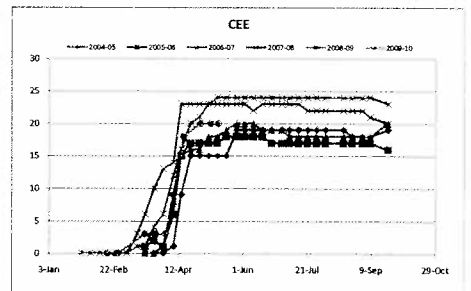
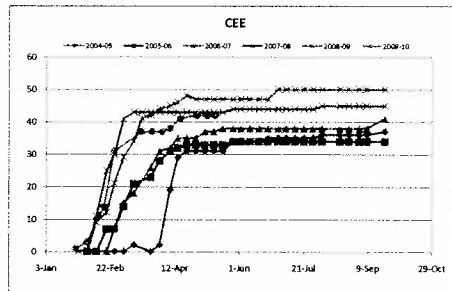
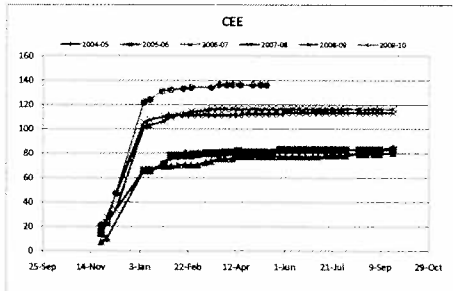
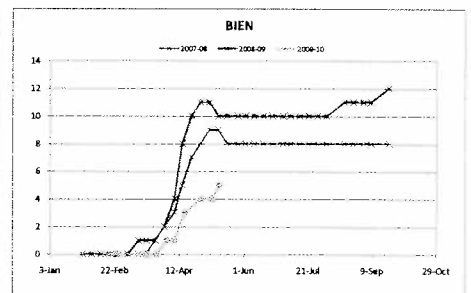
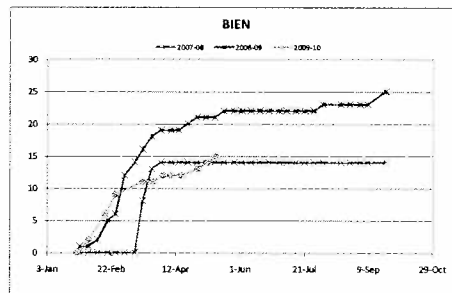
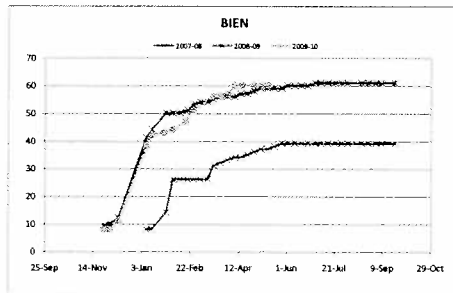
Domestic Students									
Program	Apps			Admits			Accepts		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
BIEN	21	32	32	9	14	14	4	5	4
CEE	28	31	22	17	22	12	7	10	3
CS	57	46	56	26	27	32	13	18	15
EE	36	44	42	14	19	18	11	11	6
ME	21	25	20	11	8	11	7	2	7
Total	163	178	172	77	90	87	42	46	35

Total Students									
Program	Apps			Admits			Accepts		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
BIEN	38	59	60	14	22	15	8	10	5
CEE	112	116	136	43	47	42	23	24	20
CS	328	453	496	83	120	115	36	60	39
EE	313	468	471	91	103	78	44	45	38
ME	97	117	88	53	23	19	33	8	9
Total	888	1213	1251	284	315	269	144	147	111

Unit	Apps		Admits		Accepts		One Year Percent Change		
	2008	2009	2008	2009	2008	2009	Apps	Admits	Accepts
BCOE	1213	1251	315	269	147	111	3.1%	-14.6%	-24.5%
CHASS	1154	1268	315	342	179	205	9.9%	8.6%	14.5%
CNAS	1340	1416	325	334	141	146	5.7%	2.8%	3.5%
DBS	36	48	10	10	1	4	33.3%	0.0%	300.0%
AGSM	329	446	106	123	52	38	35.6%	16.0%	-26.9%
GSOE	201	211	86	79	59	52	5.0%	-8.1%	-11.9%
Total	4273	4640	1157	1157	579	556	8.6%	0.0%	-4.0%

Based on GradSIS: 5/18/2009

Program	Status	MS				PhD				Totals			
		Res	NR	Int'l		Res	NR	Int'l		Res	NR	Int'l	All
BIEN	Accept	1	0	0		3	0	1		4	0	1	5
	Decline	1	1	0		6	1	0		7	2	0	9
	Pending	1	0	0		0	0	0		1	0	0	1
	In Process	1	0	1		0	0	0		1	0	1	2
CEE	Accept	0	1	2		1	1	15		1	2	17	20
	Decline	1	1	1		4	3	12		5	4	13	22
	Pending	1	0	0		0	0	0		1	0	0	1
	In Process	0	0	1		0	0	2		0	0	3	3
CPSC	Accept	3	0	19		8	4	20		11	4	39	54
	Decline	3	1	15		4	5	14		7	6	29	42
	Pending	2	1	17		0	0	0		2	1	17	20
	In Process	0	0	3		0	0	1		0	0	4	4
ELEN	Accept	1	0	9		4	2	28		5	2	37	44
	Decline	5	0	4		5	1	15		10	1	19	30
	Pending	0	0	1		1	0	2		1	0	3	4
	In Process	1	0	1		0	0	0		1	0	1	2
MCEN	Accept	4	0	0		3	1	2		7	1	2	10
	Decline	1	1	0		1	0	2		2	1	2	5
	Pending	1	0	3		0	0	0		1	0	3	4
	In Process	0	0	0		1	0	0		1	0	0	1
BCOE	Accept	9	1	30		19	8	66		28	9	96	133
	Decline	11	4	20		20	10	43		31	14	63	108
	Pending	5	1	21		1	0	2		6	1	23	30
	In Process	2	0	6		1	0	3		3	0	9	12



BCoE Course Buyout Request Form

Faculty Name: _____

Department: _____

In conformance with BCoE's Course Buyout Policy, I am requesting to buyout the following course(s) during the terms noted using external sources of funds. During this Buyout period, I will continue to participate in my service and research activities and will continue to be available on campus. I am aware that a course buyout cannot be requested during the same term that a (full or partial) sabbatical leave has been granted and that external funds used for course buyouts must be applied during the same term(s) as the reduced course load.

Course Name(s) and Number(s): _____ Term: _____

_____ Term: _____

<u>Course Number (and Number of Units)</u>		
<u>Fall</u>	<u>Winter</u>	<u>Spring</u>

Courses Taught by Faculty Member:

Previous Academic Year

Current Academic Year

Next Academic Year

Amount of External Funds Needed for this Course Buyout:

One course (10% of AY faculty appointment salary/benefits): _____

Two courses (25% of AY faculty appointment salary/benefits): _____

Approvals:

Faculty Member: _____

Date: _____

Department Chair certification:

The above course(s) will be taught by:

☐ Department Faculty

☐ Lecturer(s)

Additional resources for instruction:

☐ are required

☐ are not required.

Department Chair: _____

Date: _____

BCoE Dean's Office: _____

Date: _____