

Chairs' & Center Directors' Meeting Minutes

Date: May 10, 2013 (12:00 to 2:00 pm)
Location: WCH – Room 443
Attendees: Abbaschian, Reza
Barth, Matt
Bhuyan, Laxmi
Boretz, Mitch
Haddon, Robert
Hartney, Pat
Matsumoto, Mark
Myung, Nosang
Najjar, Walid
Ravi
Rodgers, Victor
Roy-Chowdhury, Amit (for Jay Farrell)
Wang, Albert

Absent: Bhanu, Bir
Farrell, Jay
Garay, Javier
Stahovich, Tom
Tan, Sheldon
Vafai, Kambiz

The agenda for the meeting is shown in Appendix 1.

1. Welcome and call for agenda items - Reza

Reza stated that Tom Stahovich is ill and won't be attending today's meeting. The topic "Adjunct Faculty Appointments for NSWC Scientists and Engineers" that wasn't covered at the last meeting will be presented first. Mitch added the topic of UC On-line Courses. Nosang subsequently added an item for the National Network for Manufacturing Innovation.

2. Approval of Minutes - Pat

The revised minutes of the April 22nd Chairs/Directors meeting were unanimously approved.

3. Adjunct Faculty Appointments for NSWC Scientists and Engineers – Mitch

Mitch stated that the Naval Surface Weapons Center (NSWC) in Corona is interested in collaborations with BCOE researchers. NSWC couldn't respond to a recent funding opportunity in measurement science since it excluded national and military labs. However, a response could have been submitted by BCOE and included adjunct appointments of NSWC scientists and engineers. NSWC has 12 PhDs and 3 Professional Engineers on its staff. It was noted that adjunct appointments at UCR need to demonstrate scholarship but this could be defined as supervision of grad students or course instruction. It was suggested that BCOE start with 1-2 adjunct appointment cases from NSWC. Mitch will circulate short biographical sketches of these potential NSWC

adjunct appointments to BCOE Chairs and Directors. It was noted that this collaboration would work best if NSWG had complementary research areas with BCOE.

On a related topic, a Memorandum of Understanding (MOU) will be need to be processed to enable the loan of instruments from NSWG to BCOE. NSWG staff will need to be able to use these instruments while at BCOE.

4. On-Line Courses – Mitch

Mitch reported that UCOP recently sent out a call for On-Line Course development. UCOP has \$10M available for development of these courses. Frank Vahid and Kambiz Vafai submitted responses. Vahid was invited to a systemwide meeting. An RFP will be coming soon and may include the development of graduate on-line courses in addition to undergraduate on-line courses. Kambiz stressed that infrastructure was an important need in developing on-line courses.

4a: National Network for Manufacturing Innovation

In response to a question, Mitch stated that a new National Manufacturing Initiative is being administered by DOE and DoD. DOE is releasing an RFP for wide-bandgap power electronics. DoD is releasing two RFIs (Requests for Information). Universities should not be the lead institutions in responses to these requests. Proposals for these Initiatives cannot include construction requests but need to include fabrication capabilities. It appears that UCB is heading a UC effort in Northern California and UCI is trying to head a UC effort in Southern California, and the Governor's Office of Economic Development is trying to coordinate. It was noted that there will only be one (regional) center established in California. If funding is approved by Congress, there will be a total of 15 such Centers around the country. Each Center would be funded at \$70M (with 1:1 cost-share required). Nosang attended a recent meeting at UCI and noted that these Centers are not for basic research but for manufacturing and workforce development. He recommended that UCR create a task force to coordinate responses to these opportunities. Since UCR will not be a lead organization, it needs to be able to be aligned with several proposed efforts. Reza has suggested to Mike Pazzani that Mitch be assigned responsibility to coordinate campus efforts.

5. Updates from Departments and Centers

EE: The department made three faculty offers and all were rejected. The top candidate from last year's search will visit UCR in late May. Another candidate is also being considered.

Amit reported that EE is requesting to change its name to Electrical and Computer Engineering (ECE). This name would be similar to many top EE departments (UCSB, UCSD, Maryland, etc). Laxmi reported that EE's name change request will be discussed at next week's CSE faculty meeting. It was noted that this change could cause confusion since two BCOE departments would have similar names. However, it was also noted that this name change should help the department attract more computer engineering faculty. Regardless, Reza stated that computer engineering faculty candidates should be reviewed by representatives of computer engineering faculty in each department. Reza noted that departmental name change requests need to be reviewed by BCOE's Executive Committee before being forwarded by him to the EVCP who then sends it to the Academic Senate for consideration. The process could take two years.

CE: Walid reported that all CE grad student offers are out. This year's target is 10.

Reza noted that it has yet to be decided on how to apportion income generated from international (self-supporting) MS students. This allocation strategy may be complicated for joint programs like CE and MSE.

UCLight: Albert stated that a proposal to the National Institutes of Health is being developed and should be completed within a month.

Also, an ERC proposal in design-for-reliability electronics is in preparation and will include participants from UCB, MIT and Penn State. The ERC will include several affiliates and international members.

CNSE: Robert had nothing to report.

CSE: Laxmi stated that a recent faculty offer was declined but another offer is still pending. The department may need to interview further.

CEE: Nosang stated that CEE is cooperating with EE in interviews for a husband/wife faculty recruitment team. CEE has 30 incoming grad students.

BIEN: Victor reported that Dimitrios received a (highly competitive) collaborative award with the City of Hope. There are about 15 grad student offers still pending.

6. Budget Matters – Reza

Reza's budget presentation to the EVCP and campus budget advisory committee went well. Initial reaction was that BCOE's budget proposal was more strategic than other colleges. He expects to receive feedback from the campus in mid-June.

Also, he noted that 3% faculty range adjustments may be provided by UC next fiscal year. UC may also provide 3% merit pools for non-union staff.

7. Graduate Education – Mark

Mark noted the summary of grad student recruitment targets, applications, admits and accepts to date that was attached to the agenda. He reported that total BCOE grad student SIRs is now 149 (100 PhD and 49 MS). Laxmi stated that partial return of grad student application fees to departments is important for CSE to enable the department to provide additional staffing to process the large number of applications the department receives. Reza responded that the Grad Division is still pursuing this arrangement. Providing some staff support to the CE Program may help with this problem. Pat will update BCOE's staff workload distribution spreadsheet to see if any staffing changes are needed in departments.

8. Undergraduate Education – Ravi

Ravi pointed out the summary of freshmen and transfer accepts attached to the agenda. According to this attachment, 577 California freshmen have accepted admission to BCOE but UCR is estimating that there will be a "melt" of 13% during the summer so that the final number of freshmen SIRs will be around 502. In addition, BCOE has 32 international accepts and 8 out-of-state accepts. As such, Ravi sees no problem in reaching BCOE's freshmen goal of 500. The number of transfer student accepts to date is 81 but the deadline for transfer student accepts is 6/1/13 so BCOE should come closer to its target of 150. This document also indicates that BCOE's AIS score (4,352) is higher than CNAS (4,232) and CHASS (4,061). BCOE's average AIS score increased by 100 from last year and is the highest at UCR. As such, the quality of incoming BCOE freshmen is increasing.

Also, Ravi stated that he sent to Chairs the translations of the applications from the Chinese students for the BCOE/UNEX Program. CEE has provided feedback but Ravi needs decisions from EE and ME by early next week.

9. Commencement – Pat

Pat reminded Chairs and Directors that BCOE's Commencement is scheduled for Monday, June 17th at 6pm. The 6pm start time is one hour later than last year. Faculty need to order regalia by May 24th. Also, staff

volunteers are still needed for the Commencement ceremony. Interested staff should contact Eilene. The reception after Commencement will be similar as last year with food available on the WCH patio. About 350 undergraduates, 75 PhD and 80 MS students will graduate from BCOE this year. Bill Johnson will be appointed as a BCOE Fellow during Commencement and will give the Keynote address.

10. College Meeting - Reza

Pat stated that this year's end-of-year College Meeting is scheduled earlier this year so that Chuck Rowley and Bobbi McCracken can provide a presentation on payroll certification before the NSF/NIH audit starts in June. It is anticipated that several BCOE faculty will be interviewed by these auditors and they should be prepared with appropriate responses. Reza stressed that payroll certification is an important issue for BCOE and the campus.

11. Other Matters

Albert added more input on EE's name change request. He stressed that this proposed change would allow EE to be comparable to departments in other major universities and that it would recognize the interests of several members of the current faculty and would enable the department to attract additional faculty in computer engineering.



Chairs' & Center Directors' Meeting

May 10, 2013

Agenda

Winston Chung Hall – Room 443

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| 1. | Welcome - Request for Agenda Items from the Floor | Reza |
| 2. | Approval of Minutes from April 22 2013 Meeting | Pat |
| 3. | Updates from Departments & Centers | Chairs/Directors |
| 4. | Budget Matters | Reza |
| 5. | Graduate Education | Mark |
| 6. | Undergraduate Education | Ravi |
| 7. | Commencement | Pat |
| | <ul style="list-style-type: none"> • Regalia ordering deadline May 24th • Staff needed for volunteer efforts – need to contact Eilene • Start time changed back to 6pm | |
| 8. | College Meeting | Reza |
| | <ul style="list-style-type: none"> • Scheduled for May 21st • Presentation by C. Rowley and Bobbi McCracken | |
| 9. | Other Matters | |

Future Meeting Dates

2013

Monday, May 20

Monday, June 3

Friday, June 14

Monday, July 1

2013-14 BCOE GRADUATE RECRUITMENT TARGETS
2013-14 CAMPUS TARGETS

Dept	M.S.	Ph.D.	Total	Accepts	% of Target	College	Total	To Date	% of Target
BIEN	15	15	30	24	80.0%	BCOE	158	144	91.1%
CEE	7	15	22	29	131.8%	CHASS			
CEN				0		CNAS			
CSE	15	15	30	30	100.0%	DBS			
EE	15	25	40	33	82.5%	GSOE			
MSE	6	12	18	14	77.8%				
ME	8	10	18	14	77.8%				
Subtotal	66	92	158	144	91.1%	Subtotal	158	144	91.1%

Graduate Division Data as of May 7, 2013

International Students									
Program	Apps			Admits			Accepts		
	2011	2012	2013	2011	2012	2013	2011	2012	2013
BIEN	41	39	55	4	3	11	1	0	6
CEE	125	134	154	19	24	34	4	7	16
CEN	NA	NA	44	NA	NA	14	NA	NA	0
CS	424	550	707	83	91	72	23	11	14
EE	448	594	614	57	48	83	10	20	29
MSE	62	85	114	9	6	7	3	4	6
ME	91	109	121	3	4	18	1	3	2
Total	1191	1511	1809	175	176	239	42	45	73

Domestic Students									
Program	Apps			Admits			Accepts		
	2011	2012	2013	2011	2012	2013	2011	2012	2013
BIEN	71	65	87	28	33	51	9	12	18
CEE	73	58	64	28	37	42	9	5	13
CEN	NA	NA	8	NA	NA	3	NA	NA	0
CS	77	92	83	39	47	38	14	18	16
EE	45	46	64	18	16	16	7	10	4
MEOL	NA	NA	1	NA	NA	0	NA	NA	0
MSE	33	23	32	9	7	17	5	1	8
ME	39	38	40	18	18	26	6	9	12
Total	338	322	379	140	158	193	50	55	71

Total Students									
Program	Apps			Admits			Accepts		
	2011	2012	2013	2011	2012	2013	2011	2012	2013
BIEN	112	104	142	32	36	62	10	12	24
CEE	198	192	218	47	61	76	13	12	29
CEN	NA	NA	52	NA	NA	17	NA	NA	0
CS	501	642	790	122	138	110	37	29	30
EE	493	640	678	75	64	99	17	30	33
MEOL	NA	NA	1	NA	NA	0	NA	NA	0
MSE	95	108	146	18	13	24	8	5	14
ME	130	147	161	21	22	44	7	12	14
Total	1529	1833	2188	315	334	432	92	100	144

Unit	Apps		Admits		Accepts		One Year Percent Change		
	2012	2013	2012	2013	2012	2013	Apps	Admits	Accepts
BCOE	1833	2188	334	432	100	144	19.4%	29.3%	44.0%
CHASS	1144	1109	268	263	125	148	-3.1%	-1.9%	18.4%
CNAS	1396	1445	401	355	176	162	3.5%	-11.5%	-8.0%
DBS	47	65	8	13	5	4	38.3%	62.5%	-20.0%
AGSM	385	627	126	223	39	74	62.9%	77.0%	89.7%
GSOE	212	173	99	79	58	65	-18.4%	-20.2%	12.1%
Total	5017	5607	1236	1365	503	597	11.8%	10.4%	18.7%

LEVEL

FRESHMEN

	CA RESIDENT	AFTER MELT	INTNATNL	OUT OF STATE	GROSS TOTAL
Bioengineering	69	60	1	0	70
Bioengineering BS + MS	7	6	0	0	7
Business Informatics	16	14	1	0	17
Chemical Engineering	61	53	1	2	64
Chemical Engineering BS + MS	3	3	0	0	3
Computer Engineering	66	57	9	3	78
Computer Engineering BS + MS	2	2	0	0	2
Computer Science	64	56	4	0	68
Computer Science BS + MS	8	7	0	0	8
Electrical Engineering	86	75	4	0	90
Electrical Engineering BS + MS	1	1	0	0	1
Environmental Engineering	62	54	3	0	65
Environmental Engineering BS + MS	1	1	0	0	1
Materials Science and Engineering	27	23	0	0	27
Mechanical Engineering	97	84	9	3	109
Mechanical Engineering BS + MS	6	5	0	0	6
Pre-Engineering	1	1			1
Grand Total	577	502	32	8	617

DEPT	Avg. AIS
Bio. Engr.	4460
Chem. Engr.	4308
Comp. Engr	4371
Comp. Sci.	4413
Electr. Engr.	4208
Mat. Sci.	4185
Mech. Engr.	4425
BCOE	4352

College	Avg. AIS
BCOE	4352
CNAS	4232
CHASS	4061
UCR	4158

LEVEL

TRANSFER

	CA RESIDENT	INTERNATNL	Grand Total
Bioengineering	13	0	13
Business Informatics	0	0	0
Chemical Engineering	19	1	20
Computer Engineering	5	0	5
Computer Science	10	0	10
Electrical Engineering	9	1	10
Electrical Engineering BS + MS		0	0
Environmental Engineering	3	0	3
Limited Student	0		0
Materials Science and Engineering	0	0	0
Mechanical Engineering	19	1	20
Grand Total	78	3	81