Chairs' & Center Directors' Meeting Minutes

Date:	June 13, 2012 (12:00 to 2:00 pm)
Location:	WCH – Room 215
Attendees:	Abbaschian, Reza
	Bhanu, Bir
	Bhuyan, Laxmi
	Boretz, Mitch
	Farrell, Jay
	Garay, Javier
	Haddon, Robert
	Hartney, Pat
	Matsumoto, Mark
	Myung, Nosang
	Najjar, Walid
	Ravi
	Rodgers, Victor
	Stahovich, Tom
	Vafai, Kambiz
Absent:	Barth, Matt
	Tan, Sheldon
	Wang, Albert

The agenda for the meeting is shown in Appendix 1.

1. Welcome and call for agenda items - Reza
The following topics were added to the agenda: faculty web pages (Reza), chemical hygiene plans (Reza), TA allocations (Pat) and classroom assignments (Tom).

2. Approval of Minutes - Pat
The minutes of the May 14th Chairs/Program Leaders and May 25th Chairs/Directors meetings were unanimously approved.

3. Graduate Education – Mark
Mark distributed the latest summary of BCOE grad student Applications, Admits and Accepts. BCOE's total number of grad student Accepts this year to date is 131 (compared to 119 at this time last year). BCOE's number of SIRs could be higher that the number of SIRs in CHASS for the first time. However, the number of BCOE domestic applications is essentially static. Two strategies that BCOE will undertake to increase the number of domestic grad student applicants are the use of Hobsons and coordinating recruitment efforts. Hobsons is the contact management system that is being implemented by the Grad Division. All BCOE programs will help to pilot this system next year. Mark has asked Amy Ricks and Denise Sanders to develop a list of grad student recruitment efforts including visits to local colleges and universities, attendance at national conferences/meetings, grad student open houses, etc. Also, BCOE will obtain lists of GRE takers and lists of National GEM Consortium members. It was noted that BIEN takes recruitment information from all

BCOE programs in visits to other institutions. Lastly, it was suggested that faculty include BCOE recruitment slides in presentations/talks made at national meetings and at other institutions.

4. Department and Center Updates

CEE: With the help of Robert Haddon, the department recently organized the Joe Norbeck Symposium. Former UCR Chancellor Ray Orbach was the keynote speaker. An effort will be made to seek endowment funds for this Symposium. It was suggested that this Symposium could be used as a model for future BCOE faculty separations. The department's ABET Self-Study report is complete and 75% of the department faculty have read it.

WCGEC: The Center's benchwork is completed in the new MS&E Building. WCGEC is sharing space with the MSE Program. Javier Garay will be receiving a $1.5M Lab Fee award which will be the first such award at UCR. The Center is still trying to develop collaborative efforts with LANL but several LANL research staff were recently laid off. WCGEC has about $90K available for small seed projects with LANL.

EE: The department's ABET Self-Study has been turned in to Dennis and Mitch. A final faculty candidate will be interviewed today and the department faculty will meet next Monday to decide if they want to make another offer this year.

ME: The department's ABET Self-Study is almost complete and should be submitted to Dennis by Friday. It was noted that Javier will be receiving a second major award this year. The total of the two awards is $2.7M. Tom stated that an undergrad student suffered a seizure last Thursday in an ME computer lab. The other students in the lab called "911" from their cell phones instead of UCR's emergency number (951-827-5222). Calling "911" from a cell phone reaches the CA Highway Patrol which then needs to route the call to UCR which delays response. It was suggested that UCR's emergency phone number be posted in all BCOE teaching labs. Also, it was suggested that emergency kits be provided to all BCOE departments.

On-Line MS Engr Degree Program: Kambiz stated that the Program's four core courses are nearly approved. The next step will be to start advertising the Program for a Fall 2013 start. Program instructors will need more experience with UCR's Echo 360 System. It was noted that a company (University Partnerships) takes standard university courses and puts them on-line. Ravi suggested that instructors of on-line courses utilize computer tablets due to ease of use and integration with the Echo 360 equipment. Since the Program will not start offering courses until Fall 2013, the Program will have a year to gain experience with how best to offer these on-line courses. Laxmi noted that Frank Vahid is putting introductory CS courses on-line and may have hardware and software recommendations.

CE: The Program's BS/MS proposal has been submitted to BCOE's Executive Committee. CE is making some final revisions to its ABET Self-Study. CE will start admitting MS students this year.

CRIS: A company is pursuing a license for a CRIS patented technology. Bir met with the new VCR and discussed joint proposal efforts for NSF's Big Data Program. A future proposal to establish a Center is envisioned. ONR has requested a proposal from CRIS. Ravi will be a co-PI on Bir's (mid-size) Big Data proposal.

BIEN: Victor is reviewing the department's final draft ABET Self-Study report. His review should be completed tomorrow. Huinan Liu will be receiving an NIH New Investigator award. BIEN expects to complete its departmental annual report by September. A proposal to establish a bio-imaging center will be

submitted in May 2013. If funded, this award would provide $1.2 - 1.4M/yr and would link to BCOE's IGERT award and CSE.

CSE: The department hired one new faculty this year. He works in high performance computing and is bringing 2-3 grad students and 2-3 NSF awards with him. The department's ABET Self-Study is complete. Amy Ricks recently returned from leave but Jackie Li will be out until at least September.

CNSE: It was recommended that departments circulate cv's of new faculty hires to CNSE. CNSE will need to compete for its next funding award. Robert stated that C&C's video conferencing capabilities are not adequate. It was suggested that BCOE investigate its own (web X or other) video conferencing options.

MSE: The program's grad students are making their presentations today. MSE has received comments back on its draft ABET Self-Study report. This report should be completed next week. Javier thanked Mitch for helping to prepare MSE's ABET report.

5. Faculty Recruitment Plans – All
The Chairs discussed the following faculty recruitment requests for FY 12/13 and provided input and recommendations.

CEE is requesting four hires in:
1.Computational Materials Design and Engineering
- Overlap with ME and CSE (Shinar); would prefer senior level hire; could be of interest to CNAS
2. Energy Storage
- synergy with EE and ME, along with CE-CERT and WCGEC
3. Air
- replace Joe Norbeck and utilize CE-CERT's atmospheric chamber; target modeler?
4. Sustainable Engineering
- synergy with CE-CERT, WCGEC

BIEN is requesting three hires in:
1. Medical Devices
- complement new hire (Grover), synergy with ME
2. High-Throughput Screening and Drug Design
3. Health Informatics
 - could partner with CS (possible joint hire?)
- BIEN wants to use new Yeager Chair to attract a senior hire
- all three hires could be complementary to UCR School of Medicine

CSE is requested three hires in:
1. Systems and Security (hold over from FY 11/12)
2. Medical Systems and Informatics
- synergy with BIEN, UCR School of Medicine and CNAS
- no current CSE faculty does medical research
3. Artificial Intelligence and Data Mining
- CSE would prefer senior hires for all the above
- per Javier: no CSE faculty currently actively involved in MSE Program

EE is requested three hires in:
1. Emerging Devices and Architectures
- would be in MSE Program and could relate to CNSE
2. Integrated Circuits and Systems
3. Signal Processing for Biomedical Systems
- synergy with BIEN and UCR School of Medicine

ME is requesting three hires in:
1. Computational Materials Design for Energy Applications
- synergy with CEE and CSE
2. Biomedical Devices
- would develop devices (not theoretical)
- synergy with BIEN and UCR School of Medicine
3. Robotics and Cyber-Physical Systems
- carryforward from AY 11/12 search)

Reza thanked the Chairs for their input and will confer with BCOE's Associate/Assistant Deans and will submit an FY 12/13 BCOE faculty recruitment request to the EVC/P by his 6/15/12 deadline.

6. Undergraduate Education – Ravi
Ravi distributed the latest BCOE undergraduate enrollment figures. The latest figure for incoming freshmen is 667 and the latest figure for incoming transfer students is 110. BCOE's targets this year were 525 freshmen and 100 transfer students. Ravi expects these numbers to decrease by about 5% over the summer.

7. Commencement – Pat
Pat reminded participants that BCOE's Commencement ceremony is scheduled to start at 5pm on Monday, June 18th which is an hour earlier than previous years. BCOE's Reception following its Commencement will be on the WCH 2nd floor patio. All food will be provided at central locations on the patio this year.

8. Other Matters
Chemical Hygiene Plans: Tom reported that he modified UCR's Chemical Hygiene Plan (CHP) template and that EH&S wants to use his modified template from now on. Tom reminded Chairs that departmental PIs are now responsible for development of and compliance with their lab CHPs including required EH&S training for all lab personnel and developing working alone and after-hours policies.

Due to time constraints, the topics of faculty web pages, TA allocations and classroom assignments were postponed to the next meeting.

UNIVERSITY OF CALIFORNIA
RIVERSIDE
BOURNS COLLEGE OF ENGINEERING

Chairs' & Center Directors' Meeting

June 13, 2012

Agenda

Winston Chung Hall – Room 215

1.	Welcome - Request for Agenda Items from the Floor	Reza
2.	Approval of Minutes from May 14 & May 25 2012 Meeting	Pat
3.	Department and Center Updates	All
4.	Undergraduate Education	Ravi
5.	Graduate Education	Mark
6.	Faculty Recruitment Plans	All
7.	Commencement	Pat
8.	Other Matters	

Meetings for the summer will be scheduled as needed

2012-13 BCOE GRADUATE RECRUITMENT TARGETS

Dept	M.S.	Ph.D.	Total	Accepts	% of Target
BIEN	20	19	39	15	38.5%
CEE	3	14	17	11	64.7%
CSE	20	20	40	45	112.5%
EE	15	15	30	33	110.0%
MSE	6	10	16	10	62.5%
ME	13	12	25	17	68.0%
Subtotal	77	90	167	131	78.4%

2012-13 CAMPUS TARGETS

College	Total	To Date	% of Target
BCOE	167	131	78.4%
CHASS		132	
CNAS		193	
DBS		5	
GSOE		66	
Subtotal	167	461	

Graduate Division Data as of June 12, 2012

International Students

Program	Apps			Admits			Accepts		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
BIEN	28	41	39	1	13	4	1	4	1
CEE	129	125	134	34	19	29	13	4	6
CS	347	425	551	77	85	96	26	29	28
EE	348	449	594	60	68	53	28	13	23
MSE	53	62	85	10	9	8	5	4	6
ME	75	91	109	8	4	6	5	2	5
Total	980	1193	1512	190	198	196	78	56	69

Domestic Students

Program	Apps			Admits			Accepts		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
BIEN	68	75	66	39	31	35	20	12	14
CEE	66	74	59	42	28	37	22	10	5
CS	71	80	91	36	39	46	15	16	17
EE	66	46	47	26	22	18	11	8	10
MSE	12	34	24	7	9	10	2	5	4
ME	32	41	38	16	21	21	9	12	12
Total	315	350	325	166	150	167	79	63	62

Total Students

Program	Apps			Admits			Accepts		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
BIEN	96	116	105	40	44	39	21	16	15
CEE	195	199	193	76	47	66	35	14	11
CS	418	505	642	113	124	142	41	45	45
EE	414	495	641	86	90	71	39	21	33
MSE	65	96	109	17	18	18	7	9	10
ME	107	132	147	24	25	27	14	14	17
Total	1295	1543	1837	356	348	363	157	119	131

Unit	Apps		Admits		Accepts		One Year Percent Change		
	2011	2012	2011	2012	2011	2012	Apps	Admits	Accepts
BCOE	1543	1837	348	363	119	131	19.1%	4.3%	10.1%
CHASS	1116	1145	254	276	144	132	2.6%	8.7%	-8.3%
CNAS	1368	1402	348	415	162	193	2.5%	19.3%	19.1%
DBS	53	47	10	8	4	5	-11.3%	-20.0%	25.0%
AGSM	361	388	159	171	61	66	7.5%	7.5%	8.2%
GSOE	197	217	90	107	67	65	10.2%	18.9%	-3.0%
Total	4638	5036	1209	1340	557	592	8.6%	10.8%	6.3%

COLLEGE   BCOE

Sum of NETSIR	Column Labels		
Row Labels	FRESHMEN	TRANSFER	Grand Total
Bioengineering	99	9	108
Bioengineering BS + MS	4		4
Business Informatics	16	1	17
Chemical Engineering	71	14	85
Chemical Engineering BS + MS	0		0
Computer Engineering	83	5	88
Computer Engineering BS + MS	3		3
Computer Science	79	19	98
Computer Science BS + MS	4		4
Electrical Engineering	87	17	104
Electrical Engineering BS + MS	1		1
Environmental Engineering	49	7	56
Environmental Engineering BS + MS	2		2
Materials Science and Engineering	13	4	17
Mechanical Engineering	154	34	188
Mechanical Engineering BS + MS	2		2
Grand Total	667	110	777