

Chairs' & Center Directors' Meeting Minutes

Date: September 27, 2013 (12:00 to 2:00 pm)

Location: WCH – Room 443

Attendees: Abbaschian, Reza
Aguilar, Guillermo
Balandin, Alex
Barth, Matt
Bhuyan, Laxmi
Boretz, Mitch
Garay, Javier
Guo, Juchen (for Nosang Myung)
Haddon, Robert
Hartney, Pat
Matsumoto, Mark
Najjar, Walid
Ravi
Tan, Sheldon
Vafai, Kambiz
Wang, Albert

Absent: Bhanu, Bir
Farrell, Jay
Myung, Nosang
Rodgers, Victor

The agenda for the meeting is shown in Appendix 1.

1. Welcome and call for agenda items - Reza

Reza welcomed Alex Balandin to the meeting. Alex has been named the Director of BCOE's new Center for Phonon Optimized-Engineered Materials (POEM). Reza met with Winston Chung during his recent trip to China. Winston is pleased with the progress of the WCGEC research projects. He is interested in funding an institute that would be focused on energy storage and transmission. This institute would involve researchers at several UC campuses. Also, Reza stated that Mike Pazzani will be providing first year funding for two more research faculty positions in BCOE. One will be a joint BIEN/ME/MSE position focused on cellular and/or stem cell interaction with materials, biosensors or prosthesis. The second position is a joint appointment between CE-CERT and UCR's School of Medicine on air and health impacts utilizing CE-CERT's atmospheric chamber. Pat added the topic of TA and UCOP GSR allocations to the agenda.

2. Approval of Minutes - Pat

The revised minutes of the September 9th Chairs/Directors meeting were unanimously approved.

3. Undergraduate Education – Ravi

Ravi stated that this year's incoming freshmen are of higher quality than previous years. About 75% of incoming freshmen are calculus ready. Also, there are several students enrolled in BCOE's program with UNEX this year. Ravi distributed two handouts. The first handout summarized undergraduate enrollments by BCOE Program and class year. BCOE has a total of 2,414 undergraduates. There are 731 senior students which represents the 2010 'bubble' of that year's high number of incoming freshmen. The number of BCOE senior students should decrease after this year. Ravi asked departments to determine the number of students they can support which will lead to incoming student targets. The second handout compares the persistence of BCOE students from Fall 2011 to Fall 2012 and from Fall 2012 to Fall 2013. BCOE's overall effective persistence has increased from 72% (Fall 2011 to Fall 2012) to 79% (Fall 2012 to Fall 2013). As a consequence, BCOE may no longer need a Pre-Engineering program.

4. Academic Recruitment Faculty Lines – Reza

Reza distributed the list of approved FY 13/14 faculty recruitments. The EVC/P is providing eight new faculty lines for BCOE. In addition, he has approved the use of one existing line for a junior hire and the continuation of the two senior faculty hire searches initiated last year. Decisions on the joint faculty hires with CNAS and SOM are still pending. Reza asked for input on options for senior hire and inter-departmental hires. After discussion, the search committee for the senior hire in lower power computer design and architecture (#8) will be led by Walid with representatives from CS and EE. The search committee for the senior hire in materials/device for green/renewable energy (#7) will be a joint committee made up of subsets of the CEE and EE (junior hire) search committees. Since this hire also involves MSE, Javier agreed to meet with all candidates. The search committee for the junior or senior faculty in materials characterization, thermal and electrical, (#6) will include ME and non-ME MSE faculty (including Physics, Chemistry, etc). It was noted that BCOE centers and the MSE Program have advisory votes on faculty hires that include ties to these units. The two continuing senior searches in energy/materials are dedicated to full professors only. Reza will contact members of last year's senior faculty search committee to determine if they can continue to serve on this committee. Lastly, it was noted that all 11 BCOE faculty searches this year will be utilizing the campus' new AP Recruit system instead of the on-line faculty recruitment system previously developed by BCOE.

5. Security Update – Pat

Pat noted that a private security firm (CSC) was hired to patrol BCOE buildings starting last Monday (9/23/13). The two consecutive patrol schedules are from 4pm to midnight and from midnight to 8am. These patrol schedules can be changed at any time if needed. Pat mentioned that CSC personnel are noting all doors that are unlocked or propped open. CSC personnel are reporting that they are finding students and faculty in rooms late at night and early in the mornings. So far, there have been no major safety/security issues reported. Security patrols of BCOE buildings will continue for at least the next 12 months.

6. Updates from Departments and Centers

CSE: Laxmi announced that Prof. Krishnamurthy has received a portion of a 10-year, \$7M grant. Penn State is the lead university. He noted that CSE's total contract/grant awards will exceed \$10M this year.

CE-CERT: Matt stated that CE-CERT is a partner in two major UC Transportation center awards this year. In total, CE-CERT expects to receive about \$1M/yr for 2-3 years for fellowships, dissertation awards and research grants (up to \$100K each).

CNSE: Robert suggested that IRG leaders of UCR's MSREC proposal should be given opportunities to participate in MSE's Seminar Series. Javier will try to schedule MSE seminar dates so that presentations can be made from the leaders and faculty participants of the three IRG groups.

On a related topic, Reza announced that Alex will be receiving the 2013 MRS Medal (and its \$5K award) from the Materials Research Society in December.

Mitch had several topics to discuss.

First, he announced that ARPA-E's annual meeting and workshop is scheduled for February 2014. ARPA-E is accepting applications now for this meeting/workshop. Travel funds to this event can be requested from Mike Pazzani. Also, Mitch encouraged faculty to consider providing exhibits for this event.

Second, he noted that UCR is complying with new federal data management guidelines and that UCR will be hiring a data management specialist. Also, he encouraged departments to consider inviting data management experts from the UCR Libraries to give presentations at departmental seminars.

Third, he is initiating a proposal writing workshop for BCOE junior faculty this week. There will be about 7-8 participants this week and 7-8 next week. These workshops are directed at junior faculty but could be offered to others if needed.

Fourth, the Calit Director, Larry Smith, will be giving a distinguished seminar at UCR and will be available to meet with faculty.

Fifth, five-page pre-proposals are being solicited by NAVAIR for cooperative centers in computational and materials research areas. Mitch is encouraging faculty to submit pre-proposals.

Lastly, Mitch gave a presentation at a recent Federal Demonstration Partnership (FDP) meeting on rich media (i.e., video, animation, etc) standardization in proposals. By January 2014, he hopes to take a few existing BCOE proposals and augment them with appropriate video, etc.

7. October 11 Meeting to include the Chancellor – Reza

Reza noted the tentative agenda for the October 11th meeting with the Chancellor attached to today's meeting agenda. Presentations will be limited to less than five minutes so that all BCOE programs can be presented at this meeting. Also, Reza wants to leave about 20 minutes at the end for questions and comments from the Chancellor. Each program is encouraged to have 3-5 Powerpoint slides and stress 'take-away' points. Alex will be added to the agenda to discuss the new POEM center.

8. Other Matters

TA and UCOP GSR Allocations: Pat handed out draft TA and UCOP allocation spreadsheets. He noted that FY 13/14 UCOP GSR allocations are based on the total number of grad students enrolled in departments/programs in the previous fiscal year. Departments are given supplemental allocations for MSE grad students. Allocations to CEE and CSE are decreased by the Perm budget reduction commitments made by those departments in TA and/or UCOP GSR funding. Pat presented two options for FY 13/14 TA allocations. The first option continues the current methodology of 70% weighted for undergrad workload FTE (from the previous academic year) and 30% weighted for incoming PhD and MS students. The second option changes the 30% factor to PhD students only. There are advantages and disadvantages to either option. A discussion and decision on which option to implement will be scheduled for the 10/21/13 Chairs/Directors meeting.



Chairs' & Center Directors' Meeting

September 27, 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 September 9, 2013 Meeting | Pat |
| 3. | Undergraduate Education | Ravi |
| 4. | Academic Recruitment/Faculty Lines | Reza |
| 5. | Security Update | Pat |
| 6. | Updates from Departments & Centers | Chairs/Directors |
| 7. | October 11 Meeting to include the Chancellor | Reza |
| 8. | Other Matters | |

Future Meeting Dates

2013

~~Monday, August 5~~
~~Monday, September 9~~
~~Friday, September 27~~
 Friday, October 11
 Monday, October 21
 Monday, November 4
 Monday, November 18
 Monday, December 2
 Monday, December 16

2014

Friday, January 10
 Monday, January 27
 Monday, February 10
Friday, February 21
 Monday, March 3
 Monday, March 17
 Monday, March 31
 Monday, April 14
 Monday, April 28
 Monday, May 12
 Monday, May 26
 Monday, June 9
 Monday, June 23
 Monday, July 7

COLLEGE-WIDE SEARCH COMMITTEE PROCEDURES

After Search Committee Members are Selected

- College-wide Search Committee (CWSC) drafts search plan/ad
- Search Plan is reviewed by AP/HR Analyst in the Dean's Office
- Search Plan is finalized with signatures, routed through Reza (via AP/HR Analyst in the Dean's Office), and submitted to the VPAP for approval via the Affirmative Action Office

After Affirmative Action Approval is Received

- The AP/HR Analyst in the Dean's Suite works with purchasing staff to place the ad(s) according to the Search Plan
- The College Online Applicant Site is updated to include the College search
- College web pages are updated to include the College search

After the Ad(s) are placed

- Qualifying candidates may be identified by
 - A department
 - A member on the committee
 - Via the online applicant program

Candidate identified by the department

1. Dept. Rep. informs the College Committee (CWSC)
2. College Committee (CWSC) agrees
3. Dept. invites for college-wide distinguished seminar
4. Dept. & College Committee (CWSC) agree to pursue
5. Candidate is encouraged to apply
6. Candidate applies

Candidate identified by the College Committee

1. Dept. Rep. informs the department
2. Dept. and College Committee (CWSC) agree
3. Dept. invites for a college-wide distinguished seminar
4. Dept. and College Committee (CWSC) agree to pursue
5. Candidate is encouraged to apply
6. Candidate applies

Candidate Self Applies

1. Candidate self applies

Applications are Received

- College-wide search committee reviews applications
- College-wide search committee arrives at a preliminary short list of candidates to invite for interview
- Department representative obtains department chair and faculty input on the preliminary short list of interview candidates aligned with the dept.
- The outcomes of the departmental discussions are communicated to the College-wide search committee
- The College-wide search committee determines the final short list of interview candidates
- The College-wide search committee assigns a department to act as primary dept. for the purpose of scheduling joint interviews between one or more departments interested in the candidate and the college-wide search committee members

Interviews are Complete

- College-wide search committee will make recommendations, if any, for appointment
- Recommendations for appointment will be reviewed by the relevant department(s) for a faculty vote
- Department chairs inform the college-wide search committee and Dean of the outcome of the faculty vote for each department
- If the department, committee, and dean agree on a candidate the dean will assign a Chair to act as primary to begin complement negotiations

FACULTY SEARCH PROCEDURES for Senior Positions in Sustainable Energy Generation, Storage, Distribution and Materials

Subject to revision, the official search committee will be:

1. Search Chair: Charles Wyman
2. Alexander Balandin
3. Matthew Barth
4. Robert Haddon
5. Walid Najjar
6. Mihri Ozkan
7. Akula Venkatram
8. Valentine Vullev

The College-wide search committee will review and screen senior faculty applicants to determine whether there are suitable candidates for interview (Junior candidates are not to be considered.). It is expected that each faculty will have joint appointments in at least two departments, and will also involve MSE. One of the positions will be for the Winston Chung Global Center professorship.

After developing a list of potential interviewees, the College-wide search committee will develop a preliminary short list of candidates to invite for interview. Each departmental representative on the College-wide search committee will be responsible for obtaining department chair and faculty input on the preliminary short list of interview candidates with potential for appointment in his/her department. The outcomes of the departmental discussions are to be communicated to the college-wide search committee before the final short list for interview is determined.

In addition to the submitted applications, department faculties are encouraged to aggressively look for potential senior candidates and advance the name and credentials of the individuals to the college-wide search committee for evaluation. If the college-wide search committee is in agreement the department should invite them to give a college-wide distinguished seminar. The cost for the initial visit/seminar will be reimbursed by the College.

Based on a candidate's background, the College-wide search committee will assign the appropriate department to coordinate the interview process for final short listed candidates. Interviews will be coordinated jointly between the department or departments (if a joint FTE) and the College-wide search committee.

Once interviews are completed, the College-wide search committee will make recommendations, if any, for appointment. Recommendations for appointment will then need to be reviewed by the relevant department or departments for a faculty vote, before sending the recommendations to the dean.

Agenda: Chairs' & Directors' Meeting

Friday, October 11, 2013: noon – 2:00 pm

Winston Chung Hall #443

12:00-12:15 pm	Buffet Working Lunch
12:15-12:30 pm	Dean's Welcome -Self-Introductions
12:30-1:40 pm	Chairs' & Directors' Presentations -5 Minutes each
12:30	Bioengineering, Professor Victor Rodgers
12:35	Chemical & Environmental Engineering, Professor Nosang Myung
12:40	Computer Engineering, Professor Walid Najjar
12:45	Computer Science & Engineering, Professor Laxmi Bhuyan
12:50	Materials Science & Engineering, Associate Professor Javier Garay
12:55	Mechanical Engineering, Professor Guillermo Aguilar
1:00	Masters of Science Online, Professor Kambiz Vafai
1:05	Center for Bioengineering Research, Professor Jerry Schultz
1:10	Center for Environmental Research and Technology, Professor Matt Barth
1:15	Center for Nanoscale Science & Engineering, Professor Robert Haddon
1:20	Center for Research in Intelligent Systems, Professor Bir Bhanu
1:25	Center for Ubiquitous Communication by Light, Professor Albert Wang
1:30	Winston Chung Global Energy Center, Professor Nosang Myung and Research Engineer Sadrul Ula
1:35	Undergraduate Education, Professor China Ravishankar
1:40	Open Discussions

F'13 Enrollments By Class Status

MAJOR	FR	SO	JR	SR	LTD	Total
Bioengineering	73	72	75	118		338
Bioengineering BS + MS	4	3		1		8
Business Informatics	12	8	3	15		38
Campus Visitor	1					1
Chemical Engineering	63	51	71	85		270
Chemical Engineering BS + MS	1			1		2
Computer Engineering	73	56	55	50		234
Computer Engineering BS+MS	2					2
Computer Science	77	67	86	99		329
Computer Science BS + MS	5	3		1		9
Electrical Engineering	109	60	64	93		326
Electrical Engineering BS + MS	1			2		3
Engineering (Prep)	1	1	2			4
Engineering (Undeclared)	7	14	7	3		31
Environmental Engineering	56	33	36	55		180
Environmental Engineering BS + MS			1			1
Limited Student					5	5
Materials Science and Engineering	27	11	7	21		66
Mechanical Engineering	122	120	119	177		538
Mechanical Engineering BS + MS	3	3	1	2		9
Pre-Engineering	3	6	3	8		20
Grand Total	640	508	530	731	5	2414

Major	Persistence		Incoming	
	12F to 13F	11F to 12F	12F	11F
Bioengineering	80.4%	75.0%	102	76
Bioengineering BS + MS	66.7%	50.0%	3	2
Business Informatics	63.6%	36.4%	11	11
Chemical Engineering	78.8%	86.4%	66	44
Chemical Engineering BS + MS		100.0%	0	1
Computer Engineering	76.8%	80.3%	69	71
Computer Engineering BS+MS	0.0%	0.0%	2	1
Computer Science	81.3%	62.8%	75	78
Computer Science BS + MS	25.0%		4	0
Electrical Engineering	85.3%	83.9%	75	56
Engineering (Prep)			0	0
Engineering (Undeclared)			0	0
Environmental Engineering	81.4%	73.7%	43	38
Environmental Engineering BS + MS	100.0%	0.0%	1	2
Materials Science and Engineering	88.9%	125.0%	9	4
Mechanical Engineering	78.5%	76.9%	144	143
Mechanical Engineering BS + MS	66.7%	100.0%	3	1
Pre-Engineering		52.0%	0	25
BCOE nominal persistence	82.7%	78.8%		
BCOE effective persistence	79.2%	72.0%		

Eilene Montoya

From: Reza Abbaschian
Sent: Thursday, September 26, 2013 11:00 AM
To: Albert Wang; Bir Bhanu; China Ravishankar; Eilene Montoya; Guillermo Aguilar; Javier Garay; Jay Farrell; Kambiz Vafai; Laxmi Bhuyan; Mark Matsumoto; Matthew Barth; Mitch Boretz; Nosang Myung; Patrick Hartney; ravi; Reza Abbaschian; Robert Haddon; Victor Rodgers; Walid Najjar
Cc: Rhonda Peterson <rhonda@engr.ucr.edu> (rhonda@engr.ucr.edu); Eilene Montoya
Subject: faculty lines

Dear Colleagues,

I am pleased that we have received approval to search and hire the following faculty eleven lines during the current academic year. 8 of the lines are new and will be transferred to the college in July 2014. The other three lines are from our existing lines.

I will add an agenda item to tomorrow's meeting to discuss the search process and other related matters. In the meantime, let me know if you have any comments or questions.

Best regards,

Reza

New Lines

1. Junior faculty in High performance scientific computing (CSE)
2. Junior faculty in Smart grid (EE together with WCGC and CE-CERT)
3. Junior faculty in Advanced materials (CEE and MSE)
4. Junior faculty in Network systems and security (CSE)
5. Junior faculty in Transportation, sensing, communications and automation (EE with CE-CERT)
6. Junior or senior faculty in Materials characterization: thermal and electrical (ME and MSE)
7. Senior Faculty in Materials/Device for Green/Renewable energy (EE and/or CEE, and MSE)
8. Senior Faculty in Lower power computer design and architecture (CEN, 1/2 FTE EE and 1/2 FTE CSE)

Existing Lines

9. Junior faculty in Air quality regional dispersion modeling (ME together with CE-CERT)
10. Continuation of search for senior faculty in Energy/Materials approved for the 2012-13 search year (~1/2 EE,~1/2 ME and MSE)
11. Continuation of search for senior faculty in Energy/Materials approved for the 2012-13 search year (~1/2 CEE, ~1/2 ME and MSE)

TBD Lines

Decisions are pending on the requested joint hires, two with CNAS and two with SOM

**TA Allocation Funding Model
FY 2013-14**

BCoE Dept	FY 2013-14				Proposed Model		Current Model	
	2012-13		FY 2013-14		2013-14		2013-14	
	Final TA Allocations				Final TA Allocations		TA Allocations	
	30% Incoming				30% Incoming		30% Incoming	
	<u>MS & PhD Students</u>				<u>PhD Students</u>		<u>MS & PhD Students</u>	
BIEN	170,690				177,439		183,088	
CEE	194,565				296,695		260,662	
CSE	689,165				608,136		652,623	
EE	327,642				317,648		316,235	
ME	307,517				293,880		310,121	
MS&E	51,407				74,145		45,193	
Total	1,740,987				1,767,942		1,767,942	

	Incoming PhD Students		Undergrad Workload FTE		Base TA Allocation		Supplemental MSE	
	Fall 2013	% of Total	AY 2012-13	% of total	2013-14	Factor	PhD Student Allocation	Amount
	Number		Number		Allocation		Number	
	16	15%	102.56	8%	172,496	0.10	1	4,943
	25	24%	173.80	13%	281,866	0.16	3	14,829
	19	18%	564.60	43%	608,136	0.35		
	22	21%	207.66	16%	297,876	0.17	4	19,772
	7	7%	268.40	20%	279,051	0.16	3	14,829
	15	14%	0.00	0%	74,145	0.04		
	104	100%	1,317.02	100%	1,713,569	1.00	11	54,373

Dean's Ofc (10% of total)

190,397

Weighted Average:

Incoming PhD Students: 0.30

Undergraduate Workload FTE 0.70

Total Proposed FY 2013-14 TA Funds Available 1,713,569

MSE Grad Student Supplement 4,943 per incoming MSE PhD student

**UCOP GSR Allocations
FY 2012/13 and FY 2013/14**

	FY 12/13 UCOP Allocations	Total Grad Students		FY 13/14 Base UCOP Allocation	Supplemental MSE Grad Student Allocation		Less Perm Budget Reductions	Final FY 13/14 UCOP Allocation
		FY 11/12	FY 12/13		Number	Amount		
BIEN	28,389	44	71	43,285	1	610		43,895
CEE	28,779	92	62	37,798	6	3,658	28,615	12,841
CSE	-17,366	142	165	100,592			105,000	-4,408
EE	88,252	141	104	63,403	14	8,535		71,938
ME	37,029	57	53	32,311	13	7,925		40,237
MSE	7,406	12	39	23,776				23,776
Total	172,488	488	494	301,166	34	20,728	133,615	188,279

Note: UCOP Allocations are based on the proportion of grad students enrolled in departments (in the previous fiscal year) to the total funds available (\$334,629 less 10% withheld by Dean's Office)

Total UCOP funds allocated to departments: 301,166

FY 12/13 Supplemental MSE Grad Student Allocation: 610 per MSE Grad Student