

Chairs' & Center Directors' Meeting Minutes

Date: May 20, 2013 (12:00 to 2:00 pm)
Location: WCH – Room 443
Attendees: Abbaschian, Reza
Bhanu, Bir
Bhuyan, Laxmi
Boretz, Mitch
Garay, Javier
Haddon, Robert
Hartney, Pat
Matsumoto, Mark
Myung, Nosang
Najjar, Walid
Rodgers, Victor
Roy-Chowdhury, Amit (for Jay Farrell)
Stahovich, Tom

Absent: Barth, Matt
Farrell, Jay
Ravi
Tan, Sheldon
Vafai, Kambiz
Wang, Albert

The agenda for the meeting is shown in Appendix 1.

1. Welcome and call for agenda items - Reza

Reza distributed a description of Georgia Tech's new On-Line MS degree program and added this topic to the agenda.

2. Approval of Minutes - Pat

The revised minutes of the May 10th Chairs/Directors meeting were unanimously approved.

3. Undergraduate Education – Ravi

Reza reported that Ravi is ill today but he mentioned that BCOE freshmen enrollments were still on target. He indicated that the campus is estimating 512 freshmen will enroll in BCOE this fall. This figure includes a 13% “melt” during summer. BCOE's incoming freshmen target is 500. Reza stated that Governor Brown wants UC's 4-year graduation rate to increase. UC's average 4-year graduation rate is in the 60% range but UCR's is only in the 40% range so there will be pressure to increase UCR's 4-year graduation rate. BCOE's 4-year graduation rate was unknown. It was recommended that BCOE's 4-year graduation rate be determined for incoming freshmen that are English and Math ready. It was noted that UCR's low 4-year graduation rate could be partially caused by the significant number of UCR students that are also working.

4. Graduate Education – Mark

Mark noted the two documents attached to the agenda. The first document presents the latest data of grad student applications, admits, accepts, declines and decisions pending. BCOE has 160 grad student accepts so far this year compared to 100 at this time last year. BCOE admitted the highest number of grad students (443) in its history. There are 116 MS offers still pending including 86 to international students.

The second document presents the average financial packages for BCOE grad student offers and accepts. Mark noted that Central Fellowship offers for grad student SIRs in BIEN, CEE and CPSC are averaging over the \$40,700 available from the Grad Division. Additional SIRs in BIEN and CPSC could worsen the problem since the Central Fellowship offers still pending in these departments average over \$40,700. Departments will need to develop plans to cover their shortfalls in Central Fellowship funding. Options include use of UCOP GSR funding and departmental income from self-supporting MS students. Mark noted that continuation/dissertation funding could be used by departments to decrease this shortfall but that most of this funding will likely be used for students to finish their dissertations. Additionally, Mark noted that domestic student SIRs in ELEN are receiving no departmental support but international student SIRs are receiving an average of about \$39K in departmental support. Amit will bring this to the attention of Jay when he returns from travel.

5. Updates from Departments and Centers

BIEN: Victor had nothing to report.

CEE: Nosang had nothing to report.

CSE: Laxmi reported that the department's last faculty candidate interview will occur on Friday and that the department recently hired a new Analyst II.

Reza added that the topic of how to improve BCOE's faculty hiring process will be discussed at a future Chairs/Directors meeting.

CNSE: Robert stated that Raytheon is planning to visit campus in the next 1-2 weeks. Raytheon is interested in graphene and nano-electronics. BCOE representatives visited Raytheon about a month ago which was followed by a visit by Raytheon representatives last week to UCR. Also, Robert reported that work has begun on the MSE Building's Clean Room project. The project's completion date is unknown.

CRIS: Bir stated that several publications have been submitted and accepted. Representatives from 3M will be visiting this month. Scholarship funding information has been added to the website. Lastly, he noted the recent announcement of the move of the LONI neurosciences/computing lab from UCLA to USC. This move will involve about 100 faculty, staff and grad students from UCLA to USC.

EE: Amit announced the department will interview a faculty candidate this Thursday as part of a husband/wife faculty team being jointly considered with CEE.

MSE: Javier reported that several research faculty candidates were interviewed via Skype and that the top candidate will be brought to campus.

ME: Tom noted that the department's new FAO II, Susana Aparicio, started work last Monday. The department is waiting for a faculty candidate's signature on its offer. This candidate's research area is in cyber physical systems. It was noted that this research area could be important to other BCOE departments. After discussion, Reza recommended that departments circulate biographical sketches of candidates to be interviewed to BCOE Chairs to see if there are any common areas of research interest.

6. Commencement – Pat

Pat reminded Chairs and Directors that faculty need to order their regalia by this Friday (5/24). Also, he stated that the hooding procedure will be changing this year and that a video describing this change will be available shortly. About 300 undergraduates, 60 PhDs and 40-50 MS students are expected to attend this year's BCOE Commencement. About 1,200 people are expected to attend BCOE's Reception following Commencement. In a response to a question, Pat stated that the cost of BCOE's Reception will be split among BCOE departments as was done in previous years.

7. College Meeting - Reza

Reza noted that over 100 BCOE faculty and staff have registered for tomorrow's College Meeting. There will be a 30 minute presentation from Bobbi McCracken and Chuck Rowley on Payroll Certification at the beginning of the meeting. An Executive Committee meeting and College Update will follow. During the meeting, Reza will present gift cards to the students that recently won prizes for their lawnmower emissions reduction project.

8. Other Matters

Reza called attention to the handout describing Georgia Institute of Technology's new On-Line MS degree program. Georgia Tech expects this \$7,000 online MS degree program to attract about 10,000 students over the next three years. Reza is concerned about the impact of this program on BCOE's new MSOL Program. However, he noted that a significant difference could be in the quality of the program offered since Georgia Tech won't be mentoring the students directly. Also, it was noted that this initial Georgia Tech program is in computer science and that it's unclear if Georgia Tech will expand it to other MS degree areas.



Chairs' & Center Directors' Meeting

May 20, 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 May 10, 2013 Meeting | Pat |
| 3. | Undergraduate Education | Ravi |
| 4. | Graduate Education | Mark |
| 5. | Updates from Departments & Centers | Chairs/Directors |
| 6. | Commencement | Pat |
| | <ul style="list-style-type: none"> • Regalia ordering deadline May 24th - this week • Hooding procedure will be changing and video will be available shortly | |
| 7. | College Meeting | Reza |
| | <ul style="list-style-type: none"> • Scheduled for May 21st • Presentation by C. Rowley and Bobbi McCracken | |
| 8. | Other Matters | |

Future Meeting Dates

2013

Monday, June 3

Friday, June 14

Monday, July 1

20-May-13
APPLICATIONS

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	40	24	64	47	31	78	87	55	142
CEE	22	57	79	41	98	139	63	155	218
CEN	7	45	52	0	0	0	7	45	52
CPSC	54	494	548	31	212	243	85	706	791
ELEN	32	391	423	32	224	256	64	615	679
MSOL	1	0	1	0	0	0	1	0	1
MSE	11	46	57	21	68	89	32	114	146
MCEN	27	69	96	14	51	65	41	120	161
BCOE	194	1126	1320	186	684	870	380	1810	2190

ADMITS

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	24	6	30	29	5	34	53	11	64
CEE	13	8	21	29	26	55	42	34	76
CEN	3	15	18	0	0	0	3	15	18
CPSC	24	51	75	14	25	39	38	76	114
ELEN	10	50	60	8	35	43	18	85	103
MSOL	0	0	0	0	0	0	0	0	0
MSE	6	1	7	11	7	18	17	8	25
MCEN	18	14	32	8	3	11	26	17	43
BCOE	98	145	243	99	101	200	197	246	443

ACCEPTS

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	8	3	11	12	3	15	20	6	26
CEE	5	1	6	10	15	25	15	16	31
CEN	0	1	1	0	0	0	0	1	1
CPSC	11	4	15	8	13	21	19	17	36
ELEN	2	13	15	2	20	22	4	33	37
MSOL	0	0	0	0	0	0	0	0	0
MSE	1	0	1	7	6	13	8	6	14
MCEN	7	2	9	4	2	6	11	4	15
BCOE	34	24	58	43	59	102	77	83	160

TARGETS

Program	MS	PHD	Total
BIEN	15	15	30
CEE	7	15	22
CEN	8	0	8
CPSC	15	15	30
ELEN	15	25	40
MSOL	5	0	5
MSE	6	12	18
MCEN	8	10	18
BCOE	79	92	171

% OF TARGET

Program	MS	PHD	Total
BIEN	73%	100%	87%
CEE	86%	167%	141%
CEN	13%	NA	13%
CPSC	100%	140%	120%
ELEN	100%	88%	93%
MSOL	0%	NA	0%
MSE	17%	108%	78%
MCEN	113%	60%	83%
BCOE	73%	111%	94%

DECLINES

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	9	2	11	16	2	18	25	4	29
CEE	6	6	12	19	10	29	25	16	41
CEN	1	1	2	0	0	0	1	1	2
CPSC	7	6	13	6	11	17	13	17	30
ELEN	1	14	15	5	14	19	6	28	34
MSOL	0	0	0	0	0	0	0	0	0
MSE	2	0	2	4	1	5	6	1	7
MCEN	8	6	14	4	1	5	12	7	19
BCOE	34	35	69	54	39	93	88	74	162

DECISION PENDING

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	7	1	8	1	0	1	8	1	9
CEE	2	1	3	0	1	1	2	2	4
CEN	2	13	15	0	0	0	2	13	15
CPSC	6	41	47	0	1	1	6	42	48
ELEN	7	23	30	1	1	2	8	24	32
MSOL	0	0	0	0	0	0	0	0	0
MSE	3	1	4	0	0	0	3	1	4
MCEN	3	6	9	0	0	0	3	6	9
BCOE	30	86	116	2	3	5	32	89	121

AVERAGE FINANCIAL PACKAGES

ALL OFFERS

Program	Domestic								
	Central Fellowship			Department			TOTALS		
	Stipend	Fees	Total	Salary	Fees	Total	Salary	Fees	Total
BIEN	\$20,586	\$18,732	\$39,318	\$19,949	\$9,366	\$29,315	\$40,535	\$28,098	\$68,633
CEE	\$17,328	\$9,689	\$27,017	\$28,731	\$19,378	\$48,109	\$46,059	\$29,067	\$75,126
CPSC	\$17,393	\$13,046	\$30,438	\$27,067	\$17,060	\$44,127	\$44,460	\$30,105	\$74,565
ELEN	\$12,011	\$14,062	\$26,073	\$10,345	\$9,366	\$19,711	\$22,356	\$23,428	\$45,784
MSE	\$18,532	\$19,529	\$38,061	\$55,863	\$36,187	\$92,050	\$74,395	\$55,716	\$130,111
MCEN	\$21,166	\$18,732	\$39,898	\$25,890	\$23,415	\$49,305	\$47,056	\$42,147	\$89,203
BCOE	\$18,306	\$14,990	\$33,296	\$27,223	\$17,502	\$44,725	\$45,529	\$32,492	\$78,021

Program	International											
	Central Fellowship			Department				TOTALS				
	Stipend	Fees	NRT	Total	Salary	Fees	NRT	Total	Salary	Fees	NRT	Total
BIEN	\$21,000	\$18,732	\$20,136	\$59,868	\$20,246	\$9,366	\$0	\$29,612	\$41,246	\$28,098	\$20,136	\$89,480
CEE	\$17,231	\$9,006	\$24,202	\$50,439	\$26,263	\$18,012	\$0	\$44,275	\$43,494	\$27,018	\$24,202	\$94,714
CPSC	\$15,360	\$13,487	\$24,163	\$53,010	\$28,959	\$15,735	\$0	\$44,694	\$44,319	\$29,222	\$24,163	\$97,704
ELEN	\$14,183	\$13,810	\$14,239	\$42,232	\$21,164	\$17,260	\$0	\$38,424	\$35,347	\$31,070	\$14,239	\$80,656
MSE	\$11,714	\$14,647	\$15,102	\$41,463	\$58,925	\$38,133	\$5,034	\$102,092	\$70,639	\$52,780	\$20,136	\$143,555
MCEN	\$11,473	\$9,366	\$20,136	\$40,975	\$19,832	\$18,732	\$0	\$38,564	\$31,305	\$28,098	\$20,136	\$79,539
BCOE	\$15,345	\$12,663	\$19,787	\$47,795	\$26,938	\$18,176	\$349	\$45,463	\$42,283	\$30,839	\$20,136	\$93,258

Program	Overall											
	Central Fellowship				Department				TOTALS			
	Stipend	Fees	NRT	Total	Salary	Fees	NRT	Total	Salary	Fees	NRT	Total
BIEN	\$20,647	\$18,732	\$2,961	\$42,340	\$19,993	\$9,366	\$0	\$29,359	\$40,640	\$28,098	\$2,961	\$71,699
CEE	\$17,282	\$9,366	\$11,441	\$38,089	\$27,565	\$18,732	\$0	\$46,297	\$44,847	\$28,098	\$11,441	\$84,386
CPSC	\$16,090	\$13,329	\$15,490	\$44,909	\$28,280	\$16,210	\$0	\$44,490	\$44,370	\$29,539	\$15,490	\$89,399
ELEN	\$13,779	\$13,857	\$11,590	\$39,226	\$19,151	\$15,792	\$0	\$34,943	\$32,930	\$29,649	\$11,590	\$74,169
MSE	\$15,881	\$17,630	\$5,873	\$39,384	\$57,054	\$36,944	\$1,958	\$95,956	\$72,935	\$54,574	\$7,831	\$135,340
MCEN	\$18,522	\$16,178	\$5,492	\$40,192	\$24,238	\$22,138	\$0	\$46,376	\$42,760	\$38,316	\$5,492	\$86,568
BCOE	\$16,810	\$13,815	\$9,992	\$40,617	\$27,079	\$17,842	\$176	\$45,097	\$43,889	\$31,657	\$10,168	\$85,714

SIRs

Program	Domestic								
	Central Fellowship			Department			TOTALS		
	Stipend	Fees	Total	Salary	Fees	Total	Salary	Fees	Total
BIEN	\$19,818	\$18,732	\$38,550	\$19,949	\$9,366	\$29,315	\$39,767	\$28,098	\$67,865
CEE	\$16,600	\$9,366	\$25,966	\$27,314	\$18,732	\$46,046	\$43,914	\$28,098	\$72,012
CPSC	\$16,000	\$14,049	\$30,049	\$26,001	\$17,561	\$43,562	\$42,001	\$31,610	\$73,611
ELEN	\$7,522	\$7,324	\$14,846	\$0	\$0	\$0	\$7,522	\$7,324	\$14,846
MSE	\$17,677	\$18,832	\$36,509	\$58,354	\$38,133	\$96,487	\$76,031	\$56,965	\$132,996
MCEN	\$20,260	\$18,732	\$38,992	\$25,890	\$23,415	\$49,305	\$46,150	\$42,147	\$88,297
BCOE	\$17,424	\$15,083	\$32,507	\$28,872	\$18,844	\$47,716	\$46,296	\$33,927	\$80,223

Program	International											
	Central Fellowship				Department				TOTALS			
	Stipend	Fees	NRT	Total	Salary	Fees	NRT	Total	Salary	Fees	NRT	Total
BIEN	\$20,000	\$18,732	\$20,136	\$58,868	\$20,182	\$9,366	\$0	\$29,548	\$40,182	\$28,098	\$20,136	\$88,416
CEE	\$18,133	\$9,366	\$25,170	\$52,669	\$27,314	\$18,732	\$0	\$46,046	\$45,447	\$28,098	\$25,170	\$98,715
CPSC	\$16,000	\$14,049	\$25,170	\$55,219	\$31,004	\$16,391	\$0	\$47,395	\$47,004	\$30,440	\$25,170	\$102,614
ELEN	\$14,252	\$13,876	\$15,102	\$43,230	\$21,254	\$17,746	\$0	\$39,000	\$35,506	\$31,622	\$15,102	\$82,230
MSE	\$11,833	\$14,647	\$15,102	\$41,582	\$57,433	\$37,464	\$5,034	\$99,931	\$69,266	\$52,111	\$20,136	\$141,513
MCEN	\$11,593	\$9,366	\$20,136	\$41,095	\$19,712	\$18,732	\$0	\$38,444	\$31,305	\$28,098	\$20,136	\$79,539
BCOE	\$15,596	\$12,904	\$20,313	\$48,813	\$28,599	\$19,389	\$349	\$48,337	\$44,195	\$32,293	\$20,662	\$97,150

Program	Overall											
	Central Fellowship				Department				TOTALS			
	Stipend	Fees	NRT	Total	Salary	Fees	NRT	Total	Salary	Fees	NRT	Total
BIEN	\$19,857	\$18,732	\$4,315	\$42,904	\$19,999	\$9,366	\$0	\$29,365	\$39,856	\$28,098	\$4,315	\$72,269
CEE	\$17,520	\$9,366	\$15,102	\$41,988	\$27,314	\$18,732	\$0	\$46,046	\$44,834	\$28,098	\$15,102	\$88,034
CPSC	\$16,000	\$14,049	\$15,102	\$45,151	\$29,003	\$16,859	\$0	\$45,862	\$45,003	\$30,908	\$15,102	\$91,013
ELEN	\$13,611	\$13,252	\$13,664	\$40,527	\$19,229	\$16,056	\$0	\$35,285	\$32,840	\$29,308	\$13,664	\$75,812
MSE	\$14,980	\$16,900	\$6,970	\$38,850	\$57,929	\$37,824	\$2,323	\$98,076	\$72,909	\$54,724	\$9,293	\$136,926
MCEN	\$17,371	\$15,610	\$5,712	\$38,693	\$23,831	\$21,854	\$0	\$45,685	\$41,202	\$37,464	\$5,712	\$84,378
BCOE	\$16,372	\$13,829	\$11,695	\$41,896	\$28,715	\$19,158	\$305	\$48,178	\$45,087	\$32,987	\$12,000	\$90,074

Georgia Tech and Udacity roll out massive new low-cost degree program

Submitted by Ry Rivard on May 14, 2013 - 9:24pm

The Georgia Institute of Technology plans to offer a \$7,000 online master's degree to 10,000 new students over the next three years without hiring much more than a handful of new instructors.

Georgia Tech will work with AT&T and Udacity, the 15-month-old Silicon Valley-based company, to offer a new online master's degree in computer science [1] to students across the world at a sixth of the price of its current degree. The deal, announced Tuesday, is portrayed as a revolutionary attempt by a respected university, an education technology startup and a major corporate employer to drive down costs and expand higher education capacity.

Georgia Tech expects to hire only eight or so new instructors even as it takes its master's program from 300 students to as many as 10,000 within three years, said Zvi Galil, the dean of computing at Georgia Tech.

The university will rely instead on Udacity staffers, known as "mentors," to field most questions from students who enroll in the new program. But company and university officials said the new degrees would be entirely comparable to the existing master's degree in computer science from Georgia Tech, which costs about \$40,000 a year for non-Georgia residents.

"You know there is a revolution going on, right?" Galil said in a telephone interview. "And we have been a part of this revolution, but I thought we could be leaders in this revolution by taking it to the next level, by doing the revolutionary step." That step, he said, is using technology to radically increase the scale of a for-credit offering while sharply reducing the price.

Galil said three-fourths of his 80 or so faculty members signed off on the arrangement in a series of March votes. Benjamin Flowers, who chairs the graduate curriculum committee at Georgia Tech, told the Associated Press that despite Faculty Senate concerns, it had left the decision about what to do up to the computer science program.

Udacity, which made a name for itself offering free not-for-credit massive open online courses, or MOOCs, is now planting a flag at Georgia Tech with a business model that may revolve around what its chief executive officer calls "MOOC 2.0."

Udacity will receive 40 percent of the revenue from the new degree program, according to Georgia Tech, which will receive the rest. AT&T is subsidizing the effort financially to ensure that it will break even in its first year and is lending its name to the project, which the company said it hopes will educate more students for science, technology, engineering and mathematics jobs.

While established higher education institutions have offered online degree programs for a while, they have traditionally charged the same prices for online courses and programs as they do for their on-campus equivalents. Udacity is now working to dramatically lower the prices, something it has already done with several courses at San Jose State University, a public university in California.

The Georgia Tech program will have four enrollment tracks for students. Enrollment starts in January, though the first year will feature a small test run of several hundred paying students drawn mostly from the military and the corporate world, particularly AT&T.

The first of the four tracks will include traditional degree-seeking students who will be able to complete the 12-course master's degree in roughly three years. Georgia Tech said it does not plan to lower admission standards to find 6,000 or so students for this track -- a number that is 20 times larger than its current computer science master's degree program. Instead, Georgia Tech hopes to attract more qualified applicants from across the world, including inside the military and at companies -- places that harbor nontraditional students who could not previously come to a traditional campus or find the money for a full degree, on campus or online.

The second type of student will be "prospective degree-seeking" students who will be admitted to the program tentatively because they will not have to take the GRE as other applicants do. If they do well in two core classes, Georgia Tech will put them on the degree track. The university expects to enroll 2,000 such students in the next three years.

A third type of paying student will be students who can drop in to take several courses for a certificate short of a full master's degree. Georgia Tech expects 2,000 such students.

The final type of students will resemble the students in a traditional MOOC and will be able to take the courses but will pay nothing or perhaps a small fee for a certificate of completion for a course. Tens of thousands of students would presumably sign up for these types of courses, an enrollment figure similar to existing MOOCs.

The deal started to come together eight months ago in a meeting between Galil and Udacity CEO Sebastian Thrun.

"Sebastian suggested to do a master's degree for \$1,000 and I immediately told him it's not possible," Galil said.

Eventually, the program came together for about \$6,600 per degree. [In a blog post \[2\]](#), Thrun compared the day of the announcement to the day he proposed to his wife.

"I think it's important for higher education to open access to people who can't get access," he said in a telephone interview.

Thrun said there will be a "crisp, clear" line between the responsibilities of his staff and Georgia Tech professors and instructors. He said Udacity was nothing more than a "megaphone" for Georgia Tech, which he said would be making all the academic decisions.

It's unclear how many staffers Udacity will need to hire to handle the number of students expected to enroll at Georgia Tech. Thrun said the staff-to-student ratio was something the company was still working through, though it is learning from San Jose State the number of hours of mentoring students need per course.

"We've put into our calculations the equivalent of about three to five hours of individual time," Thrun said.

Galil and Thrun both said that Udacity-paid staffers could answer most of the questions students in the courses come up with.

"In many cases, the questions are simple. In many cases these questions can be found in FAQs, even though students don't find them in FAQs," Galil said.

Thrun said there's no reason to make a professor answer the same question 200 times for 200 students. He said his staff will free up Georgia Tech instructors to do more difficult work.

Galil said faculty who work to develop the courses will do so in addition to their current course load but will receive additional compensation.

Georgia Tech's provost said he thought the model could be inappropriate for other subjects, however.

"At the moment, we're just doing this in computer science," said Provost Rafael Bras. "We'll wait and see. I believe this is quite appropriate for professional master's degrees but I also believe it is less appropriate for non-master's degrees and certainly for other fields."

Galil and Bras both said they did not think the Udacity partnership would cannibalize Georgia Tech's existing master's degree program. They said the residential college experience would still appeal to students who are on a Ph.D. track, who want a full range of career services and who want visas to live in the United States while they study.

[Teaching With Technology \[3\]](#)

[Online Learning \[4\]](#)

Source URL: <http://www.insidehighered.com/news/2013/05/14/georgia-tech-and-udacity-roll-out-massive-new-low-cost-degree-program>

Links:

[1] <http://www.omscs.gatech.edu/>

[2] <http://blog.udacity.com/2013/05/sebastian-thrun-announcing-online.html>

[3] <http://www.insidehighered.com/news/news-sections/teaching-technology>

[4] <http://www.insidehighered.com/news/news-sections/online-learning>