

Chairs' & Center Directors' Meeting Minutes

Date: February 6, 2012 (12:00 to 2:00 pm)
Location: WCH – Room 443
Attendees: Abbaschian, Reza
Barth, Matt
Bhanu, Bir
Bhuyan, Laxmi
Boretz, Mitch
Farrell, Jay
Garay, Javier
Haddon, Robert
Hartney, Pat
Matsumoto, Mark
Myung, Nosang
Najjar, Walid
Parker, Linda
Ravi
Rodgers, Victor
Stahovich, Tom
Vafai, Kambiz
Wang, Albert

Absent:

The agenda for the meeting is shown in Appendix 1.

1. Welcome and call for agenda items - Reza

No items were added to the agenda.

2. Approval of Minutes - Pat

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

3. Department and Center Updates

MSE: Javier reported that the MSE Program's Board of Advisors has been established and that preparations for the Program's ABET review are being made. Javier has met with most BCOE Chairs to discuss MSE Program curriculum efforts. Lastly, he has put together plans for MSE labs and shared use equipment in the new MS&E Building.

EE: The department is interviewing 2-3 faculty candidates per week and expects to complete all interviews by early March. EE is losing one of its staff members tomorrow and is interesting in sharing a staff member with another BCOE department. So far, no other department has expressed interest in sharing a staff member. Pat encouraged the option of sharing BCOE admin staff since payroll processing will be transferred from all UCR academic and non-academic units to a centralized UC-wide system in a couple of years.

4. Undergraduate Education – Ravi

Ravi presented the following information for BCOE:

AIS Score	Admits	Enrolled (est'd)
>4,200	2,014	295
>4,000	2,604	501
>3,800	3,080	667

BCOE FY 11-12 Enrollment Goal: 525 Freshmen; 100 Transfers

Ravi has formed a committee with representatives from each BCOE department. This committee will review application information and will establish department-specific enrollment targets. It was noted that BCOE's freshmen target recently increased from 500 to 525 in order to help UCR reach its overall enrollment goal.

Also, Ravi stated that late enrollment and over-enrollment in courses can be an issue in BCOE. Currently, some BCOE departments allow Instructors to sign a form agreeing to allow a student into his/her class. This form then needs to be signed by the Dean's Office. This form cannot always be approved due to course waitlists. Ravi noted that CSE does not allow Instructors to sign these forms in its lower division courses. Students are added to these CSE courses only through BCOE Student Affairs Office. After brief discussion, the Chairs agreed that all BCOE departments will no longer allow Instructors to sign entry forms into lower division courses.

Reza distributed a summary of (FY 10) enrollment data by UC College of Engineering. This data indicates that some UC Colleges of Engineering (particularly UCB, UCSD and UCLA) accept large numbers of Junior College (JC) transfer students and, unlike UCR, don't depend on large numbers of incoming freshmen. Reza stated that increasing the number of JC transfer students to BCOE would help diversity and retention. Ravi noted that UCR's main competition for JC transfer students are UCI and UCLA. Also, the number of students transferring to UC campuses is about 200 per coastal JC but only about 50 per inland area JC. This summary also compares percentages of: admits vs. applicants, enrolled vs. applicants and enrolled vs. admits by UC College of Engineering.

5. Graduate Education - Mark

Mark called attention to the latest grad student applicant and admit data attached to the agenda. Mark noted that the number of BCOE MS applicants has increased significantly over the last two years. He stated that departments should forward domestic grad student files to him before forwarding any international student files. The Grad Division will process domestic student files before processing any international student files. Also, he noted that domestic students are eligible for Grad Division add-on funding so these files should be sent as soon as possible since there is a limited amount of funding available (to the entire campus). It was noted that departments will receive \$5K in fellowship funding from the Grad Division for every international self-supporting MS student enrolled.

6. Safety – Pat

Reza noted the synopsis of the 2008 UCLA lab accident fatality attached to the agenda. The victim's faculty supervisor is facing civil and criminal charges and UC could be fined up to \$4.5M. Reza emphasized that all BCOE faculty, staff and students need to receive proper safety training. Pat added that the Dean's Office is working with HR on the use of the new Learning Management System (LMS) to keep track of safety training per individual. Training requirements would be entered into LMS by the department/center at the time the individual was assigned to a lab. This will enable the department/center to monitor safety training by individual and/or by lab.

7. Research – Mitch

Mitch announced that NSF will hold a "Materials 20/20" webcast on Wednesday (2/8/12) at 12:30pm. This webcast will present NSF's vision for materials research equipment and instrumentation for the next 10 years. Also, Mitch noted a new DOE solicitation on Battery research. DOE will make one (5 year) award for \$120M from this solicitation. \$20M will be awarded the first year and \$25M per year the following four years. A lead institution can be an academic, private industry or a national lab and must take the biggest part of the award. It is believed that this award may be earmarked for the Argonne National Lab. Sadrul is contacting LANL to see if a joint proposal effort could be put together. Proposals are due in May 2012.

8. Fellow Nomination for Marlan Bourns – Linda

Linda distributed copies of a BCOE Fellow Nomination form for Marlan Bourns. She noted that Winston Chung was selected as BCOE's first Fellow last year. It is appropriate time to recognize Marlan's contributions to BCOE and name him as a Fellow. The nomination was moved, seconded and unanimously approved.

9. Other

Homecoming: Linda announced that this year's UCR Homecoming is scheduled for Saturday, March 3rd. BCOE is organizing a (low-key) Alumni vs. Faculty basketball game at 2:30pm that day. Linda asked for volunteers to sign up for the Faculty team. Also, Victor Rodgers will be giving a Back to Class speech during Homecoming.



Chairs' & Center Directors' Meeting

February 6, 2012

Agenda

Winston Chung Hall – Room 443

- | | | |
|----|---|-------|
| 1. | Welcome - Request for Agenda Items from the Floor | Reza |
| 2. | Approval of Minutes from January 9, 2012 Meeting | Pat |
| 3. | Department and Center Updates | All |
| 4. | Undergraduate Education | Ravi |
| 5. | Graduate Education | Mark |
| 6. | Safety | Pat |
| 7. | Research | Mitch |
| 8. | Fellow Nomination for Marlan Bourns | Linda |
| 9. | Other Matters | |

Future meeting schedule

Friday – February 24, 2012 (Chairs/Program Leaders Only)

Please note: Meetings will be held in WCH – Room 443

Prepared - February 1, 2012

	FR	SO	JR	SR
UCB	474	451	988	1523
UCSD	723	752	1123	1126
UCLA	459	597	756	1489
UCR	797	427	296	306
UCD	833	561	645	930
UCI	596	511	622	922
UCSB	298	243	334	333
UCSC	418	303	302	323

	APPLICANTS	OFFERED ADMISSION	% admits vs. apps.	ENROLLED	% enrolled vs. apps	% enrolled vs. admits	TRANSFERS from JC	TRANSFERS from other U
UCB	10305	1979	19%	734	7%	37%	230	22
UCSD	8665	3434	40%	745	9%	22%	331	10
UCLA	9738	2540	26%	678	7%	27%	180	16
UCR	5797	5069	87%	831	14%	16%	43	0
UCD	7946	3783	48%	777	10%	21%	156	14
UCI	7334	3668	50%	660	9%	18%	138	4
UCSB	5529	1965	36%	302	5%	15%	34	1
UCSC	2344	1604	68%	371	16%	23%	N/A	N/A

2012-13 BCOE GRADUATE RECRUITMENT TARGETS

Dept	M.S.	Ph.D.	Total	Accepts	% of Target
BIEN	20	19	39		
CEE	3	14	17		
CSE	20	20	40		
EE	15	15	30		
MSE	6	10	16		
ME	13	12	25		
Subtotal	77	90	167		

Applicants - as of February 6, 2012

Program	MS International Students			MS Domestic Students			MS Total Students		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
BIEN	9	13	14	21	26	31	30	39	45
CEE	24	44	44	25	23	18	49	67	62
CS	146	177	299	26	30	47	172	207	346
EE	138	218	278	24	20	16	162	238	294
MSE	5	19	20	1	7	5	6	26	25
ME	20	40	52	12	18	18	32	58	70
Total	342	511	707	109	124	135	451	635	842

Program	PhD International Students			PhD Domestic Students			PhD Total Students		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
BIEN	16	21	17	41	22	25	57	43	42
CEE	104	79	86	36	44	38	140	123	124
CS	180	203	188	36	36	40	216	239	228
EE	193	197	253	33	18	25	226	215	278
MSE	43	40	62	7	22	11	50	62	73
ME	46	41	51	8	10	15	54	51	66
Total	582	581	657	161	152	154	743	733	811

Admits - as of February 6, 2012

Program	MS International Students			MS Domestic Students			MS Total Students		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
BIEN	0	0	0	11	0	6	11	0	6
CEE	0	0	7	0	0	5	0	0	12
CS	0	0	0	0	0	0	0	0	0
EE	0	0	0	0	0	1	0	0	1
MSE	0	0	0	0	0	0	0	0	0
ME	0	0	0	0	0	0	0	0	0
Total	0	0	7	11	0	12	11	0	19

Program	PhD International Students			PhD Domestic Students			PhD Total Students		
	2010	2011	2012	2010	2011	2012	2010	2011	2012
BIEN	0	0	0	10	3	10	10	3	10
CEE	0	0	13	9	4	14	9	4	27
CS	0	0	0	0	0	0	0	0	0
EE	0	0	5	0	0	1	0	0	6
MSE	0	0	0	0	0	0	0	0	0
ME	0	0	0	0	0	0	0	0	0
Total	0	0	18	19	7	25	19	7	43

Unit	Apps		
	2011	2012	%Change
BCOE	1368	1653	20.8%
CHASS	1067	1093	2.4%
CNAS	1266	1294	2.2%
DBS	52	43	-17.3%
AGSM	168	145	-13.7%
GSOE	112	161	43.8%
Total	4033	4389	8.8%

http://cen.acs.org/content/dam/cen/static/pdfs/Article_Assets/90/CalOSHA-report-UCLA.pdf

SYNOPSIS

The victim, a 23 year-old laboratory Research Associate employed by the University of California at Los Angeles, was assigned to the University's Organic Chemistry Department. The victim was conducting research in an Organic Chemistry lab, under the direction of the lab's Principal Investigator. On December 29, 2008, the Victim was attempting to utilize a 60ml plastic syringe to withdraw approximately 53ml of a highly reactive (pyrophoric) liquid reagent from a glass storage bottle. As the Victim was attempting to transfer the reagent, the plunger of the syringe became dislodged from the syringe barrel, causing the reagent to be released. The reagent spilled onto the torso and hands of the Victim and immediately caught fire. The fire was eventually extinguished by another researcher working nearby. The Victim sustained second and third degree burns over approximately 43% of her body. The Victim died eighteen days later on January 16, 2009, as a result of her injuries.

The investigation revealed that the victim was not wearing a lab coat at the time of the incident. It was also determined that the Victim was not following acceptable procedures for transfer of the pyrophoric reagent at the time of the incident, nor had the Victim received the necessary training relative to making a transfer of the reagent. It was also determined that the employer failed to provide chemical safety training to the Victim prior to directing her to undertake laboratory work. The investigation also disclosed that the employer was aware that employees did not routinely wear lab coats or other necessary personal protective equipment and that the employer failed to ensure that such equipment was utilized by its employees.

University of California at Los Angeles

405 Hilgard Avenue

Los Angeles, CA 90095

310-825-2151

December 29, 2008

@1500 hours

:

Molecular Science Lab 4221

Molecular Scene Building

Sheharbano "Sheri" Sangji

DOB: 11-02-1985

Fellow of the College Nomination Form

1. **Candidate's Name:** Marlan Bourns

2. **Position and Affiliation:** Co-Founder, Bourns, Inc. ., Major Donor to BCOE

3. **Candidate's address, email, telephone, and fax number:**

1901 Kings Rd, Newport Beach, CA

4. **Education:** (list degrees earned, major fields, institutions, dates)

BS, 1944, University of Michigan

5. **Citizen of** USA (country)

6. **Primary Specialty Area(s):** Electronic components

7. **Record of Professional Experience:** (list principal positions held and responsibilities)

Co-Founder, Bourns, Inc. (with his wife Rosemary): The company was founded in 1947 and is based in Riverside, California. It has locations in Logan, Utah; Janesville, Wisconsin; Auburn Hills, Michigan; and Mountain View, California, as well as in Mexico, Costa Rica, Germany, the United Kingdom, and Switzerland.

8. **Contributions of Record:** (publications–number, & other–patents, software, philanthropy and volunteerism benefiting the college, etc.)

- In 1952, Marlan Bourns patented the world's first trimming potentiometer, trademarked "Trimpot", a name now commonly used to refer to any trimming potentiometer.
- In 1965, Hamilton Electro Sales – now Avnet, Inc. (NYSE:AVT) and Bourns formalized one of the first franchised supplier agreements in electronics history, setting in motion one of the industry's most resilient supply and design chain alliances.
- Bourns Inc:
 - In 1995, Bourns acquired VRN's Trimmer assets and introduced the first 4 mm surface mount sealed tact switch.
 - In 2008, Bourns acquired the Transient Blocking Unit (TBU) assets of Fultec Semiconductor, Inc. TBU technology is a new approach to electronics circuit protection and is designed to block a transient through a current disconnecting mechanism rather than diverting or shunting the surge to ground.
- Co-founder, The World Presidents' Organization: Global organization of more than 4,300 individuals who are or have been chief executive officers of major business enterprises. With business operations in more than 70 countries, WPO members combine corporate responsibility and personal public service to create significant contributions in the communities where they live and work. Today their ranks include diplomats and senior elected and appointed government officials on international, national, regional and local levels. As lifetime leaders, WPO members recognize and act on their responsibility in the fields of corporate governance, public service and educational advancement.

- In 1994 Marlan and Rosemary Bourns gave more than \$7million to the engineering college through the Bourns Foundation.

9. Professional Recognition: (honors, awards, prizes, etc.)

- Namings:
 - Marlan & Rosemary Bourns College of Engineering at UCR
 - Marlan & Rosemary Bourns Hall at BCOE
 - Marlan & Rosemary Bourns Laboratory at California Baptist University
 - Marlan & Rosemary Bourns Board Room at the Riverside Chamber of Commerce
 -
- 2007 STEP conference: Recognition by Congressman Ken Calvert as part of Bourns, Inc.
- 8/31/2010: Honored Inventor as part of National Inventor's Month by Avnet Electronics Marketing Americas
- 11/10/2010: Inland Spirit Award: Lifetime Achievement Award – Honored as part of the Bourns family

10. Nominated by: _____ (print name)
_____ (Signature) _____ (Date)
_____ (Telephone) _____ (email address)

Bourns, Inc.

From Wikipedia, the free encyclopedia

Bourns, Inc. is a private, global electronics corporation that develops, manufactures and supplies a wide range of electronic components for a variety of industries including automotive, industrial, instrumentation, medical electronics, consumer equipment, computers and peripherals, telecommunications, portable electronics and more.

Established in Altadena, California in 1947 by Marlan and Rosemary Bourns, the company was originally founded to develop and sell electronic components and sensors to the aerospace industry. Today, headquartered in Riverside, California, Bourns makes or provides a broad range of electronic components and circuit protection devices including automotive sensors, circuit protection solutions, magnetic and inductor products, specialty engineering and manufacturing services, precision potentiometers, panel controls and encoders and resistive products.

Bourns has nine other facilities around the world and has continued growing through the development of new products and technologies as well as through acquisitions. The company has approximately 3500 employees worldwide.

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History

More than 60 years ago, co-founders Marlan and Rosemary Bourns set up shop in their tiny 384-square-foot (35.7 m²) garage in Altadena, California. Their idea to provide a method of accurately determining an aircraft's pitch attitude solved a crucial problem for pilots. The invention of the first miniature linear motion and vane position potentiometers propelled their small business into the global corporation that it is today.

Technology Innovations/Milestone

In 1952, Bourns patented the world's first trimming potentiometer, trademarked "Trimpot".^[1] In 1995, Bourns acquired VRN's Trimmer assets and introduced the first 4 mm surface mount sealed tact switch. In 2008, Bourns acquired the Transient Blocking Unit (TBU) assets of Fultec Semiconductor, Inc. TBU technology is a new approach to electronics circuit protection and is designed to block a transient through a current disconnecting mechanism rather than diverting or shunting the surge to ground.

Acquisitions

Bourns has acquired a number of acquisitions to expand its technology portfolio, especially in the area of circuit protection:

2009: Acquired Central Office Surge Protection Products assets from Corning Cable Systems LLC

2008: Acquired the Protection Products assets of Emerson Network Power Energy Systems (<http://www.bourns.com/PressReleases.aspx?name=emerson>)

2008: Acquired the Transient Blocking Unit (TBU) assets (<http://www.bourns.com/PressReleases.aspx?name=fultec>) of Fultec Semiconductor, Inc.

2006: Acquired Therm-O-Disc, Inc. (<http://www.bourns.com/PressReleases.aspx?name=thermo>)

2006: Acquired the Automotive Controls Division assets of SSI Technologies

2006: Acquired J.W. Miller Magnetics Business

2005: Acquired Tyco/Meggitt's Fuel Card Product assets

2004: Acquired RUF Automotive Group

2004: Acquired MMC's Switch Power Products assets

2003: Acquired Microelectronic Modules Corporation assets

2003: Acquired Telecom Protection assets from Texas Instruments Sensors & Controls Division

2001: Acquired Joslyn GDT Division assets

References

- [^] Bourns, Inc. - Our Beginnings (<http://www.bourns.com/AboutBourns.aspx?name=History>) , Bourns, Inc.

UQ News: New phase for UQ Semiconductor start-up (<http://www.uq.edu.au/news/?article=16413>)

The Press-Enterprise: Riverside's Bourns Inc. celebrates 60th anniversary (http://www.pe.com/business/local/stories/PE_Biz_D_bourns14.1cb9f63.html)

External links

- Corporate website (<http://www.bourns.com/Products.aspx>)
- Dialog: With Gordon L. Bourns, CEO of Bourns Inc. (Electronic Product News) (<http://www.epn-online.com/page/17138/dialog-with-gordon-l-bourns-ceo-of-bourns-inc-.html>)
- EDN: 19th Annual Innovation Awards (<http://www.edn.com/info/CA6632131.html?industryid=48661>)

Retrieved from "http://en.wikipedia.org/w/index.php?title=Bourns,_Inc.&oldid=404014577"

Fellow of the Bourns College of Engineering Award

Purpose of the Fellow of the College Award

The purpose of awarding the title of Fellow of the College is to recognize exceptional contributions and/or outstanding service to the Bourns College of Engineering (BCOE) at UC Riverside resulting in significant progress, development or promotion of the College.

Definition and Scope of Award

BCOE may grant the title of Fellow of the College to deserving recipients whose work, achievement, or philanthropy has distinctly advanced the mission and values of the College and whose conduct or reputation has brought great distinction to the college or the field of engineering. All nominations will be confidential.

Title Presentation

- No more than two Fellows of the College shall be awarded in a year and none shall be awarded if there is no suitable recipient.
- Fellows of the College awards are conferred during the College's Commencement Ceremonies or in any other ceremonies deemed fit by the Dean of College.
- Recipients of Fellow of the College must attend the ceremonies to receive the honor.

Criteria for the Award

The recipients of the title Fellow of the College shall be individuals with high intellect who possess the highest moral and ethical standards. Recipients shall be one or more of the following:

- Distinguished engineers who have made significant contributions to the field of engineering.
- Distinguished persons whose work, outside engineering, has significantly impacted the field of engineering.
- Other distinguished persons whose activities have significantly benefited the engineering community and the College.

Benefits

- Recipients of Fellow of the College shall be entitled to use the title in all situations and for all correspondence. The title does not confer any entitlement or place any obligation upon the holder, beyond the usage of the title itself.

Nomination

- The Dean of the College shall call for nominations from the Chairs & Directors of the College for the award of Fellow of the College annually, 6 months prior to Commencement or at any other time that he or she sees fit.
- The Dean shall also invite members of the Chairs & Directors to submit nominations for the award of Fellow of the College.
- The format for Fellow of the College nominations will be a nomination form, supporting documents, and specific detailed contributions of the nominee.

Eligibility

- Faculty or members of the staff of the University will not be eligible for the award of Fellow of the College while employed at the University.
- Former faculty or former members of the staff of the University will not normally be eligible for nomination as Fellow of the College within two years of their retirement or separation.

Assessment

- All nominations, deliberations, investigations and recommendations relating to the nomination shall be treated as strictly confidential by all persons concerned.
- In the case of multiple nominations, the Dean may appoint a faculty committee for evaluating the nominations and providing recommendations. The Dean may also seek approval by the Chairs & Directors of the College for the award to be given.