

Chairs' & Center Directors' Meeting Minutes

Date: October 28, 2011 (12:00 to 2:00 pm)
Location: EBU II – Room 443
Attendees: Abbaschian, Reza
Anvari, Bahman (for Victor Rodgers)
Balandin, Alex
Barth, Matt
Bhuyan, Laxmi
Boretz, Mitch
Farrell, Jay
Hartney, Pat
Matsumoto, Mark
Myung, Nosang
Parker, Linda
Payne, Tom
Stahovich, Tom
Vafai, Kambiz

Absent: Bhanu, Bir
Haddon, Robert
Najjar, Walid
Ravi
Rodgers, Victor
Schultz, Jerry
Wang, Albert

The agenda for the meeting is shown in Appendix 1.

1. Welcome and call for agenda items - Reza

Reza welcomed Kambiz Vafai to the meeting. Kambiz will be helping to move BCOE's On-line MS Engr Degree program forward. Mitch added the Engineering Research Center (ERC) topic to the agenda.

2. Approval of Minutes - Pat

The minutes of the September 30th Chairs/Directors meeting were unanimously approved.

3. CFAMM - Pat

Pat reported that a meeting was held this morning with Dallas Rabenstein, Gretchen Bolar, Tom Baldwin, Harry Green, Millie Garrison, Reza and Pat to discuss the CFAMM operation. It appears that the campus provided funding for 1.5 staff FTE for CFAMM operation in 1995. Neither Tom nor Millie realized that this

funding was provided to CNAS until recently. As such, CNAS will not be raising its rates for non-CNAS users of CFAMM as it originally planned. Also discussed during the meeting was the option of establishing a UCR centralized instrumentation center including CFAMM. A high-level committee will be put together to provide input to the EVC/P on this issue. A financial working group consisting of Millie Garrison, Pat Hartney and a Budget Office representative will look at past campus funding for instrumentation operations around campus.

4. Departmental/Center Updates

No updates were reported by participants.

5. On-line Masters Degree Program – Tom Payne, Kambiz Vafai

Reza stated that there are two parallel processes ongoing with BCOE's efforts to establish an On-line Masters Degree Program. Programmatic approval is being pursued through CCGA. A lead reviewer for this proposal has been assigned by CCGA. BCOE will be asked to provide names of potential external reviewers to CCGA. Approval of the Program's rate structure is being pursued through UCR's Budget Office. In the meantime, BCOE's planning for this Program is moving forward. Specifically, Kambiz will be meeting with BIEN to discuss courses and potential instructors for the Program. After approval of the BIEN specialization, other On-Line Masters Degree specializations should be proposed by departments. UCR's Registrar will likely require that all on-line courses in the Program receive separate section numbers. Reza stressed that all Program income benefits the department offering the specialization. Program funding will be used to pay faculty for developing courses (@ \$5K each course and \$1K for repeat offerings) and for TAs. It was noted that if APM 668 is approved, faculty may be able to take their payments as additional income during the academic year, instead of summer salary, etc. Reza noted that BCOE's proposed On-line Masters Degree Program is in a niche between UCLA's Program (which is slanted toward technical) and USC's Program (which is slanted toward management).

6. Capital Campaign - Linda

Linda stated that UCR is in the quiet phase of a planned major fundraising campaign. She called attention to the BCOE Fundraising Priorities document attached to the agenda and asked Chairs to provide input to her on amounts needed in the various categories. She noted that our effort would be to raise funds to take each BCOE department or program to the next level. Reza noted that Endowed Chairs are particularly important and that there are numerous (office, lab and other) naming opportunities in BCOE. Reza added that Named Professorships should receive priority for endowment funds. Linda indicated that gifts of \$25,000 or more can be spread over five years by donors.

7. Commencement - Linda

Linda reported that Joel Munson will be asking Tony Hey, Corporate VP for Research Connections at Microsoft to be BCOE's 2012 Commencement Speaker. If Tony is unavailable, Linda will need names of possible Commencement Speakers from Chairs.

8. Winston Chung Hall (WCH) Naming Events - Linda

Linda reminded participants that the WCH Naming event will be held on November 9th at 3:30pm. The Naming ceremony will be on the WCH patio and a reception will follow in WCH 205/206. About 250 participants are expected. There will be a variety of Winston Chung electric vehicles on display in the WCH loading dock area on November 9th. A 1.2 MW/hr battery is being installed on the 1st floor of WCH. This battery will be able to provide about six hours of use for WCH. Reza commented that UCR will be the first campus in the nation with this battery capability.

Lastly, it was noted that AEGIS Defense will be visiting BCOE soon to meet with faculty that are interested in joint research efforts.

9. Faculty Search - Mark

Reza stated that this year's Faculty Search and Distinguished Seminar allocations have been made to all BCOE departments. He indicated that the EVC/P has approved seven BCOE searches (from the seven faculty lines being returned to BCOE) and three additional searches from BCOE's unfilled lines. The campus will be providing up to \$1.4M in matching Initial Complement funding for new BCOE faculty. Reza asked departments to stress areas of research that would enhance existing research areas and not fill positions solely based on instructional needs. He stated that BCOE does not need to fill all 10 lines this year and that interdisciplinary research areas are important.

10. APM 668 - Reza

It was noted that UC Provost Lawrence Pitts will be visiting UCR in early November. He will be meeting with UCR faculty to discuss the proposed Negotiated Faculty Salary policy (APM 668) and on-line degree programs. Reza believes that APM 668 could benefit BCOE faculty. If approved, he stated that BCOE will develop an internal policy that specifies that any negotiated faculty salary cannot reduce support for grad students.

11. Distinguished Alumni Award

Reza will be attending an event at the Chancellor's residence this Saturday to acknowledge UCR Distinguished Alumni. He noted that no BCOE alumni have received this award to date, most likely since BCOE is still relatively young. However, it was noted that David Cocker received the Young Alumni Award at a previous event. Reza asked that departments submit names when the call for Distinguished Alumni nominations comes out again. Also, it is believed that such nominations can be made at any time.

12. Other Matters

ERC: Mitch distributed a list of the institutions receiving 2010 ERC awards. He noted that each successful ERC had several academic partners and at least 23 industry partners. He expects NSF to send out the next ERC solicitation by the end of 2011. A nano specialization ERC solicitation came out earlier this year but the next one should be unrestricted. He stated that we need to determine appropriate subject areas soon and should also develop lists of potential academic and industry partners. Reza stated that there will be an agenda item at the next Chairs/Directors meeting to discuss potential ERC research areas and participants. It was noted that there are three UCR STC proposals still pending at NSF and that two of these (in BCOE) could be turned into ERC proposals.

Winston Chung Global Energy Center: Reza announced that Nosang has been named the Director of the Winston Chung Global Energy Center and that Sadrul Ula is its Managing Director. This Center will be located on-campus and at CE-CERT. Nosang indicated that he will organize an informational session for faculty from BCOE and other UCR academic units to discuss research areas and funding. He noted that seed projects can be funded by the Center (up to \$15K). LANL may also be able to provide GSR support for seed projects.



Chairs' & Center Directors' Meeting

October 28, 2011

Agenda

Engineering Building Unit II – Room 443

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|-----|---|------------|
| 1. | Welcome - Request for Agenda Items from the Floor | Reza |
| 2. | Approval of Minutes from September 30, 2011 Meeting | Pat |
| 3. | CFAMM | Pat |
| 4. | Departmental/Center Updates | All |
| 5. | On-line Masters Program | Tom/Kambiz |
| 6. | Capital Campaign | Linda |
| 7. | Commencement | Linda |
| 8. | WCH Naming Events | Linda |
| 9. | Faculty Search | Mark |
| 10. | APM 668 | Reza |
| 11. | Distinguished Alumni Award | Reza |
| 12. | Other Matters | |

The next scheduled meeting will be

Monday – November 7, 2011 (Chairs/Program Leaders Only)

Please note: Meetings will be held in EBU II – Room 443

NSF Engineering Research Center class of 2010

Institution	PI	Title	Partner institutions	Industry	Notes
University of Washington	Yoky Matsuoka	NSF Engineering Research Center for Sensorimotor Neural Engineering	MIT; San Diego State University. <i>International</i> : University of British Columbia, University of Tokyo.	23 industry partners — including multinational corporations, healthcare practitioners, and start-up firms	http://csne.washington.edu/
University of Tennessee-Knoxville	Kevin Tomsovic	NSF Engineering Research Center for Ultra-wide-area Resilient Electric Energy Transmission Network	Northeastern University; Rensselaer Polytechnic Institute; Tuskegee University. <i>International Universities</i> : National Technical University of Athens; Tsinghua University; University of Waterloo. <i>Affiliate Universities</i> : Federal University of Rio de Janeiro; Montana Tech; Supélec; Tennessee State University; Tufts University; University of California, Santa Barbara	43 total, including 9 foreign and 1 national lab.	http://current.utk.edu/
Arizona State University	Christiana Honsberg	NSF Engineering Research Center for Quantum Energy and Sustainable Solar Technologies: QESST	California Institute of Technology; Massachusetts Institute of Technology; University of Delaware; University of New Mexico. <i>Affiliated Universities</i> : Georgia Institute of Technology; University of Arizona; University of Houston. <i>International Universities</i> : Imperial College London; University of New South Wales; University of Tokyo	QESST has attracted 48 solar energy companies that span the spectrum—manufacturing, materials, production and installation, including successful high growth firms, commercial players moving into the space and 10 startups.	http://www.qesst.org/
Stanford University	Richard Luthy	NSF Engineering Research Center for Re-Inventing America's Urban Water Infrastructure	UC Berkeley; Colorado School of Mines; New Mexico State University; Nanyang Technological Univ., Singapore; Swiss Federal Institute of Aquatic Science and Technology; Dübendorf, Switzerland; Univ. of New South Wales, Sydney, Australia	27 Industry/Practitioner partners and 3 Innovation Partners.	http://urbanwaterc.org



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BCOE Fundraising Priorities *Engineering Excellence*

The next 20 years of the Bourns College of Engineering depends upon the contributions of all of its stakeholders – corporate partners, alumni, friends, faculty, the State of California, students, and parents. We invite our loyal supporters to join us in our journey to engineer excellence and to be counted among the top engineering colleges in the nation.

Faculty Support\$ _____

- Endowed Chairs
- Endowed Chairs: Term and fully endowed chairs
- Faculty recruitment/retention
- Other

Student Support\$ _____

- Scholarships for undergraduate students
- Fellowships for graduate students
- Student activities
- Outreach
- Other

Research Support.....\$ _____

Program Support.....\$ _____

- Existing programs
- New programs

Capital Support.....\$ _____

- Upgrading labs and classrooms
 - Bourns Hall: existing
 - Winston Chung Hall: existing
- New buildings
 - Materials Science & Engineering (MS&E):
 - Engineering Building Unit III (EBU III): not yet under construction
- Other

See separate list of Building Naming Opportunities

Endowment Support\$ _____

See separate list of Named Endowment Minimums

Other

Building Naming Opportunities

❖ Offices:

- Staff Offices - \$10,000
- Faculty Offices - \$25,000
- MESA Office - \$25,000
- Department Chair Offices - \$35,000
- Assoc. Dean Offices - \$50,000
- Dean's Office - \$150,000
- Dean's Suite - \$250,000
- Department Suites - \$250,000

❖ Community Space:

- Small Conference Rooms (approx. 500 sq ft)- \$50,000
- Large Conference Rooms (approx. 1,000 sq ft) - \$200,000
- Student Affairs Complex - \$200,000
- Outdoor Plazas - \$250,000

❖ Labs:

- Instructional Labs - \$150,000
- Faculty Labs (single) - \$100,000
- Faculty Labs (double) - \$200,000
- Faculty Labs (triple) - \$300,000

❖ Other Naming Opportunities

- Skywalk - \$75,000 (2nd floor connector)
- Bourns A Wing- \$2 million
- Bourns B Wing - \$2 million

Endowment Naming Opportunities

❖ CE-CERT - \$10 million

❖ Centers - \$5 million

- CRIS (Bhanu)
- CNSE (Haddon)
- BIEN (Schultz)
- UC-Light (Wang)

❖ Departments - \$10 million

❖ Material Science and Engineering Building - \$28 million

**RECOMMENDED MINIMUM LEVELS FOR ENDOWED FUNDS
UNIVERSITY OF CALIFORNIA, RIVERSIDE**

Approved February 2003
Amended 6/11/07; 5/13/09

The University of California, Riverside is grateful for charitable gifts, and seeks to honor leading donors to university programs. One significant way to pay tribute to generous supporters is to name the program or facility that has benefited from the donor. Each of the endowments listed below provides an opportunity to permanently associate the donor's name with UC Riverside while enhancing the quality of the University's research and scholarship. These dollar figures reflect the minimum amount necessary for *adequate funding*; all of these endowments would be enhanced by a gift in excess of the minimum.

All minimum endowment levels may increase for funds established in future years (such as through planned gifts or by bequest.) Reference to this possibility will be noted in planned giving or bequest language. *"UCR is deeply grateful for gifts that establish named endowment funds--such beneficence provides support for generations to come. Minimum levels necessary to establish endowments are subject to change. If, at the time of distribution to the University, the amount is not sufficient to establish an endowment, the funds will be used to establish a current restricted fund for purposes so designated in this document."*

Named Endowment Minimums

<i>Named Endowed Chair Minima</i>	
Distinguished Professorship	\$ 1,500,000+
Endowed Chair/Sciences, Engineering, Business	\$ 1,000,000+
Endowed Chair	\$ 500,000 -750,000+
Named Term Chair	\$360,000

<i>Named General Endowment Minima</i>	
Visiting Professor	\$ 350,000+
Faculty Research & Teaching Fund	\$ 100,000-200,000+
Graduate Fellowship	\$ 200,000+
Athletic Scholarship	\$ 150,000+
Undergraduate Scholarship:	\$ 75,000 -100,000+
Distinguished Lecturer Fund	\$ 100,000+
Library Collection Endowment Fund*	\$ 10,000+
Dean's Fund for Academic Leadership	\$ 50,000+
Departmental Fund for Academic Excellence	\$ 25,000+
Named Awards/Prizes	\$ 25,000+

How You Can Establish an Endowment for Student Support

Type of Support	Minimum Gift	Pledge over Five Years	Approximate Annual Value to Student
General Student Support/Awards/Prizes	\$25,000 to \$50,000+	\$5,000 to \$10,000 per year/five years	\$1,000 to \$2,125
Undergraduate Scholarship	\$75,000+	\$15,000 per year/five years	\$3,290
Athletic Scholarship	\$150,000+	\$30,000 per year/five years	\$6,375
Graduate Fellowship	\$200,000+	\$40,000/per year/five years	\$8,500

NAMED ENDOWMENTS DESCRIPTIONS

Named Endowed Chair Minima

Funds contributed to establish a chair support the University's effort to attract and retain scholars of national or international acclaim. A named chair must be consistent with the mission of the University and be made in accordance with established Regental and Campus procedures. A chair may be named in honor of the donor or at the donor's direction, subject to the prior approval of the appropriate Campus authorities and UC Office of the President.

◆ **Named Distinguished Professorship -- \$1,500,000**

The Distinguished Professorship honors one who is among a handful of the most distinguished academicians who is or will be appointed to the UCR faculty. The chair holder could be a master professional or one who has made nationally or internationally recognized contributions to his/her field.

◆ **Named Endowed Chair/Sciences, Engineering & Business -- \$1,000,000+**

An endowed Chair in the Sciences, in Engineering and in Business serves to retain and recruit faculty members of the highest quality, and includes funding to provide for laboratory equipment and expenses associated with scientific, technical and financial research and projects.

◆ **Named Endowed Chair -- \$500,000-750,000**

This endowment level provides funding for endowed chairs in other academic or program areas. The endowment serves to honor an outstanding faculty member and to recruit equally outstanding faculty to the University. Additional funding may be required in specific cases.

◆ **Named Term Chair -- \$360,000**

This endowment level provides schools and colleges the means to attract outstanding assistant professors to UCR by offering them a named chair and research support for at least their first three years.

General Endowment Minima

◆ **Named Visiting Professor -- \$ 350,000+**

This endowment provides funding necessary to bring prominent scholars or other leaders to campus annually, on a short-term, temporary basis to teach or undertake research.

◆ **Named Funds for Faculty Excellence in Research & Teaching -- \$ 100,000-200,000+**

An Endowment for Faculty Excellence enables distinguished senior faculty and promising junior faculty to pursue innovative teaching and research. Such endowed funds strengthen UCR's ability to conduct vitally important research in a variety of fields ranging from the molecular sciences to the humanities.

- ◆ **Named Graduate Fellowships -- \$200,000+**
Graduate fellowship endowments help to offset graduate students' educational expenses, enable UCR to attract promising scholars, and enhance UCR's ability to attract and retain faculty.
- ◆ **Named Athletic Scholarships -- \$150,000+**
The Athletic scholarship provides support to attract the most talented and outstanding undergraduate student/athletes to UCR. The scholarship provides the additional funding necessary to recruit students from out of state.
- ◆ **Named Undergraduate Scholarships -- \$75,000 - \$100,000+**
Support for undergraduate scholarships not only helps to attract outstanding students to UCR, but also provides critically needed funding for students who may be unable to continue their studies without additional financial assistance.
- ◆ **Named Distinguished Lecturer Fund -- \$100,000+**
Endowed funds for lectures and colloquia facilitate the sharing and dissemination of information and research results among members of the academic community. Such funds can bring to the campus scholars and leaders of academic and professional achievement and may be used to enhance the University's outreach to the community as well.
- ◆ **Named Library Collection Endowment Fund* -- \$10,000+**
With the increasing costs associated with the acquisition of books, periodicals, and electronic materials and information technologies, the Library Collection Endowment Fund is of critical importance to UCR's future. The Library system is, in many ways, the heart of a research university. *This lower endowment level was granted to the University Library by Executive Vice Chancellor & Provost on April 27, 2007.
- ◆ **Named Dean's Fund for Academic Leadership -- \$50,000+**
The Dean's Fund provides unrestricted support for the excellence of a college, school or division. Funds are administered at the direction of the Dean.
- ◆ **Named Departmental Fund for Academic Excellence -- \$25,000+**
At the direction of the Department chair, these funds provide additional support for new initiatives and excellence.
- ◆ **Named Awards/Prizes -- \$25,000+**
This endowment will be used to recognize outstanding performance in areas such as scholarship, athletics, artistic endeavors, and research to name but a few possibilities.

CREATING AN ENDOWMENT AT UC RIVERSIDE

Today, UCR ranks among the country's preeminent research universities. Private support has played a critical role in ensuring that UCR's mission of excellence continues. Many of UCR's achievements during the last decade are possible by endowed gifts created by alumni and friends of the University. Endowments can be established through an immediate gift or a gift that is pledged over five years. The following are questions frequently asked by alumni and friends considering an endowed gift to UCR.

Q. WHAT IS AN ENDOWED GIFT?

- A.** An endowed gift is held *in perpetuity* by UCR. When you make an endowed gift, the University invests the initial gift and spends only a portion of the average annual investment return. The remaining income is added to principal to protect against the eroding consequences of inflation. A donor who creates an endowed gift today may be confident that it will grow and continue to support his or her vision in the future.

Q. CAN I DIRECT MY ENDOWED GIFT TO A SPECIFIC AREA?

- A.** Yes. At UCR, endowments offer alumni and friends the opportunity to associate *in perpetuity* their names or the name of a loved one with those areas of the University that hold special meaning for them. Each donor's vision is different. UCR looks forward to working one-on-one with donors and their advisors to achieve each donor's philanthropic goals for the University.

Q. HOW WILL MY ENDOWED GIFT BE USED?

- A.** Endowments support, among other things, the teaching and research of individual UCR faculty members, innovative departmental and interdisciplinary research, undergraduate and graduate students, athletics, and the University's libraries. Endowments also serve the critical function of meeting the highest priority needs of specific departments and programs, as well for campus priorities determined by the Chancellor. To ensure that income earned by the endowment will be sufficient to achieve a donor's intent now and in the future, UCR has established suggested minimum support levels for the various types of endowments.

Q. WHAT KIND OF ASSETS CAN I USE TO FUND MY ENDOWED GIFT?

- A.** A gift of cash is the easiest and most direct way to create an endowment at UCR. Outright **gifts of cash** are immediately deductible for federal income tax purposes for donors who itemize their deductions on their federal income tax returns. Endowments may also be established with gifts of **appreciated securities** in publicly held and, in many cases closely held corporations, and with commercial and residential property. You can also create an endowment through your **will or living trust** or by means of a **charitable trust or gift annuity**. Our development professionals are available to discuss the many methods and benefits of endowment giving at UCR, and to assist you and your advisors in selecting the arrangement that best suits your needs.