

Chairs' & Center Directors' Meeting Minutes

Date: November 3, 2008 (12:00 to 2:00 pm)

Location: EBU II – Room 443

Attendees: Abbaschian, Reza
Balandin, Alex
Barth, Matt
Bhanu, Bir
Bhuyan, Laxmi
Boretz, Mitch
Dexter, Jim
Hartney, Pat
Lake, Roger
Mahalingam, Shankar
Matsumoto, Mark
Parker, Linda
Payne, Tom
Ravishankar, China
Rodgers, Victor (for Jerry Schultz)
Yan, Yushan

Absent: Haddon, Robert
Norbeck, Joe
Schultz, Jerry

The agenda for the meeting is shown in Appendix 1.

1. Welcome – Request for Agenda Items from the Floor – Reza

Linda added the topics of the Surado Open House Celebration and the Corporate Associates Program to the agenda.

2. Minutes Approval - Pat

The revised minutes of the 10/20/08 Chairs/Directors meeting were unanimously approved.

3. NSF Major Research Instrumentation Program – Mitch

Mitch stated that NSF anticipates making eight Major Research Instrumentation (MRI) awards of between \$2–4M, in addition to approximately 200 six-figure awards. Each proposal must provide 30% (3:7) cost share from non-federal sources. It was noted that matching funds cannot include PI (Academic Year) salaries. UCR can submit up to three MRI proposals. One of the three proposals must be for instrument development. UCR's deadline for review of MRI pre-proposals is 11/25/08. Laxmi and Shankar intend to submit an MRI proposal to develop fire detection sensors in collaboration with investigators at UC Davis. An MRI proposal is again expected from Harry Green's group. Reza encouraged Alex to submit an MRI proposal for equipment needed in the new MS&E Building.

4. Web Updates & Communications – Jim

It was noted that CSE's new website was activated last weekend. Jim indicated that BCoE's new website could be activated anytime. Jim noted that two departments (EE and CEE) hadn't registered yet for

UCR's new Content Management System (CMS) which would allow them to convert their current webpages to the new UCR webpage design. Jim will re-send his CMS registration request email to these departments. Jim noted that the new CMS is very user friendly and should be easy to implement. Jim stated that CSE's new departmental brochure is in the final stage of completion and that the brochures for EE and ME are in process. Jim will provide a status report of all the departmental brochures at the next Chairs/Directors meeting. Reza stated that these brochures are needed during the November recruiting period. Jim responded that each department has enough old brochures to get through this recruitment period if necessary. Jim distributed copies of a BCoE research facilities handout that he assembled and asked each Chair and Director to provide corrections and additions as soon as possible. Pat will provide Jim with BCoE's data contained in UCR's electronic equipment inventory system.

5. Budget – Reza

Reza stated that all units at UCR, including BCoE, will be taking a 5.5% budget cut this year on state funds but not on the portion for academic salaries and benefits. He indicated that an additional budget cut may be necessary later in the fiscal year. UCR has already implemented a hiring freeze for staff and he was told by the EVCP last Friday that the number of BCoE faculty FTE cannot increase this year. In effect, the number of faculty hires must equal the number of separations and retirements. Reza stated that BCoE received approval in June to search for five faculty lines this year and he recently tried to increase this number to nine. However, BCoE will only be allowed to hire a limited number of new faculty, probably three, due to the recent and expected separations in CEE, CSE and ME. Both CEE and CSE stated that it was important to find replacements for their departing faculty this year. Shankar indicated that since the ME faculty member will separate mid-year, the department may be able to delay searching for a replacement until the following year. However, he could not be certain until he had consulted with ME faculty. This would allow one hire to be in another area this year, possibly for MSE. Reza stated that the planned new faculty hire in Civil Engineering will have to be put on hold. A final decision will be made after the campus confirms the number of recent and expected separations in BCoE. No changes in faculty recruitment efforts will be made until after this decision is made. On a related issue, it was noted that department Chairs have the ability to deny sabbatical leaves if approval would leave the department with too few faculty to teach required courses.

Reza noted that CE-CERT was also discussed at last Friday's meeting with the EVCP and Gretchen. Pat will meet with Matt to discuss the issues discussed.

Reza noted that UCR has finally agreed to look at an FTE coefficient differential for graduate students, similar to a model used at UCLA. UC had been providing resources to campuses using a coefficient differential model but stopped doing this several years ago. UCLA still uses this coefficient differential model for internal allocations of resources to schools and colleges. Reza will email this UCLA information to the Chairs. Reza noted that BCoE faculty need to participate actively in UCR's shared governance in order to make changes, such as implementing an internal coefficient differential.

Reza stated that student retention is very important to Chancellor White. Reza believes that UCR needs to implement recruitment management including the possibility of sending more students to community colleges for the first two years.

6. Department Updates

Bir stated that he recently submitted a proposal with investigators from four other universities to the Army. He expects a response to his IGERT proposal in March. Also, he has submitted a \$55K proposal to NSF and ONR for support of the technical workshop tied to Tech Horizons 2009. He expects there to be about 40 workshop participants.

Matt mentioned that the recent Chancellor's visit to CE-CERT went well. The Chancellor was very impressed with research activities at CE-CERT and had many pertinent questions. Also, CE-CERT will be hosting a UC Transportation Center Symposium in February 2009 at the UCR Commons. Matt expects 150-200 attendees. Lastly, CE-CERT will be hosting a Sustainable Bio-energy Symposium in March 2009.

Laxmi indicated that Google and Microsoft made recent recruitment trips to CSE.

Shankar stated that Professors Dames and Garay recently received a \$400K/yr award from DOE on energy storage.

It was noted that the MS&E Building is ahead of schedule and could be open in September 2009 instead of February 2010. Also, BCoE and CNAS could receive some funding back since the MS&E Building is currently under budget.

Reza noted that the draft UCR Alcohol Policy has been changed so that Chairs can approve events serving alcohol if the events are for official university business and if the attendees are specifically invited (not open attendance).

7. Faculty Recruitment – Mark

Mark stated that BCoE has received over 100 faculty applications so far.

8. Graduate Education – Mark

Mark indicated that this year's grad student recruitment efforts have begun and include visits to other colleges and universities and attendance at appropriate conferences. He stated that the Grad Division has yet to finalize the amount of fellowship and NRT funds available to BCoE for next year's cohort.

Mark stated that the majority of the PhD Reward Committee has recommended a linear reward allocation formula versus the current 50% threshold formula. Reza will send a revised PhD Reward Policy to the Chairs. However, BCoE won't be able to provide any FY 08/09 PhD rewards until the end of the fiscal year since we won't know the magnitude of BCoE's budget cuts until that time. We also need to know the number of PhD graduates during the academic year to calculate the maximum amount available.

9. Undergraduate Education – Ravi

Ravi mentioned that this year's undergraduate recruitment efforts have started including the recent Preview Day at UCR. Emails have been sent to about 4,000 SAT takers interested in science and engineering. BCoE Student Affairs is also reaching out to RCC and other local community colleges. Ravi is on a UCR Math task force. This task force recently met with Math lecturers and data collection is in process.

Ravi again mentioned that faculty mentors are still needed for BCoE's undergraduate students. Group mentoring sessions can be an effective model instead of trying to schedule individual meetings between students and mentors. Reza noted that proper mentoring of MSE students is particularly important. Reza stated that an agenda item for the next Chairs/Directors meeting will be how to recognize the service contribution of student mentoring in BCoE's faculty merit process.

10. Other items

Linda distributed an announcement of the 11/6/08 Grand Opening Celebration for Surado, Inc. in the University Research Park (near CE-CERT). Surado's CEO, Sundip Doshi, is a member of BCoE's CEO Forum. Linda is encouraging BCoE faculty to attend this event. Also, Linda offered to present BCoE's new Corporate Associates Program at departmental faculty meetings. Linda will present the internal policy of sharing Corporate Associates fees at the next Chairs/Directors meeting.



Chairs' & Center Directors' Meeting

November 3, 2008

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 October 20, 2008 Meeting | Pat |
| 3. | NSF Major Research Instrumentation program | Mitch |
| 4. | Web Updates & Communications | Jim |
| 5. | Budget | Reza |
| 6. | Departmental Updates | |
| 7. | Faculty Recruitment | Mark |
| 8. | Graduate Education | Mark |
| 9. | Undergraduate Education | Ravi |
| 10. | Other items | |

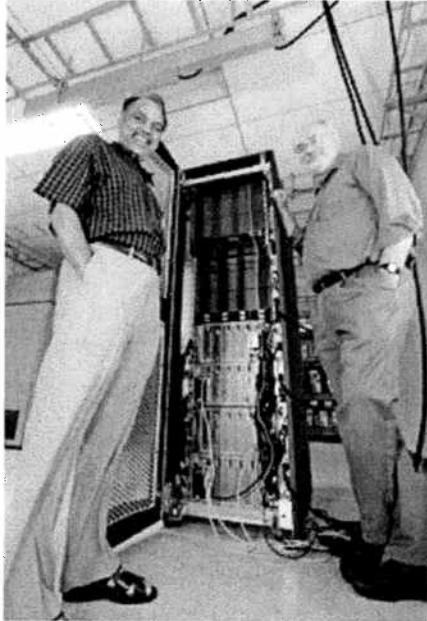
The next scheduled meeting will be
Monday, November 17, 2008

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

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 BIOINFORMATICS RESEARCH,
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 CLASSES.

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Other key facilities and resources include:

- * Visualization and Intelligent Systems Laboratory
- * Distributed Robotics and Multimedia Laboratory
- * Identification and Control Laboratory
- * Neural Networks and Pattern Recognition Laboratory
- * High-Performance Computing Laboratory
- * Algorithms and Computational Biology Laboratory
- * Database Laboratory
- * Distributed Systems Laboratory
- * Networks and Communications Laboratory
- * Riverside Graphics Laboratory (RGL)
- * Systems and Security Research Laboratory (SSRL)
- * Vehicle Emissions Research Laboratory: certification-grade chassis dynamometer laboratory and heavy-duty engine dynamometer laboratory
- * Heavy-duty mobile emissions laboratory, for measurement of emissions from heavy-duty trucks and other heavy-duty engines
- * Atmospheric processes chamber, the world's largest indoor laboratory for studies of atmospheric processes that produce and terminate air pollutants under tightly controlled conditions
- * Transportation Systems Research Laboratory
- * Analytical Chemistry Instrumentation Facility (ACIF), housed in the Chemistry Department, consists of the Nuclear Magnetic Resonance (NMR) Facility, the Southern California Mass

Spectrometry (SCMS) Facility, the Small Molecule X-ray Crystallography (SMXC) Facility, and the Optical Spectroscopy (OS) Facility

* The UCR Division of Biomedical Sciences Becton Dickinson Fluorescence Activated Cell Scanner (FACScan). Utilizing technology that precisely monitors light scattering and fluorescence, the FACScan enables researchers to analyze cell morphology, cell surface proteins and cell cycle-related processes

* Micro Fabrication Facility: Four major pieces of equipment have already been installed, including high precision CNC lathe, mill and Sinkers- and Wire-EDM

* Central Facility for Advanced Microscopy and Microanalysis (CFAMM) is capable of nanoscale characterization of organic and inorganic materials, biological tissue and minerals applying electron beam techniques and laser confocal microscopy

* Silicon Graphics Altix 4700 supercomputer powered by 64 Intel Itanium 2 processor cores and featuring 128 GB of system memory

Bourns also benefits from other important shared research facilities on the UCR campus, such as:

* UCR Core Instrumentation Facility

* CEPCEB Microscopy and Imaging Facility

* CEPCEB Bioinformatics Core Facility

* CEPCEB W.M. Keck Proteomics Core Facility

* UCR Institute for Integrative Genome Biology

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* Central Facility for Advanced Microscopy and Microanalysis (CFAMM) is capable of nanoscale characterization of organic and inorganic materials, biological tissue and minerals applying electron beam techniques and laser confocal microscopy.

* Center for Plant Cell Biology

Selected Equipment includes:

Spark Plasma Sintering (SPS) System

Hot Isostatic Press (HIP)

Ultra high vacuum physical vapor deposition (PVD) system

High temperature vacuum furnaces

General ultra high vacuum chambers and pumps

Instron Universal tester

Instron microhardness tester

Vacuum and inert gas glove box

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Vacuum Deposition

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Cascade RF-1 Co-planar RF probing system
Suss 8" RF Probing Station
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General Campus Information

University of California, Riverside
900 University Ave.
Riverside, CA 92521
Tel: (951) 827-1012

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College Information

Bourns College of Engineering
[xxxx Bourns Hall](#)

Tel: (951) 827-xxxx
Fax: (951) 827-xxxx
E-mail: someone@ucr.edu

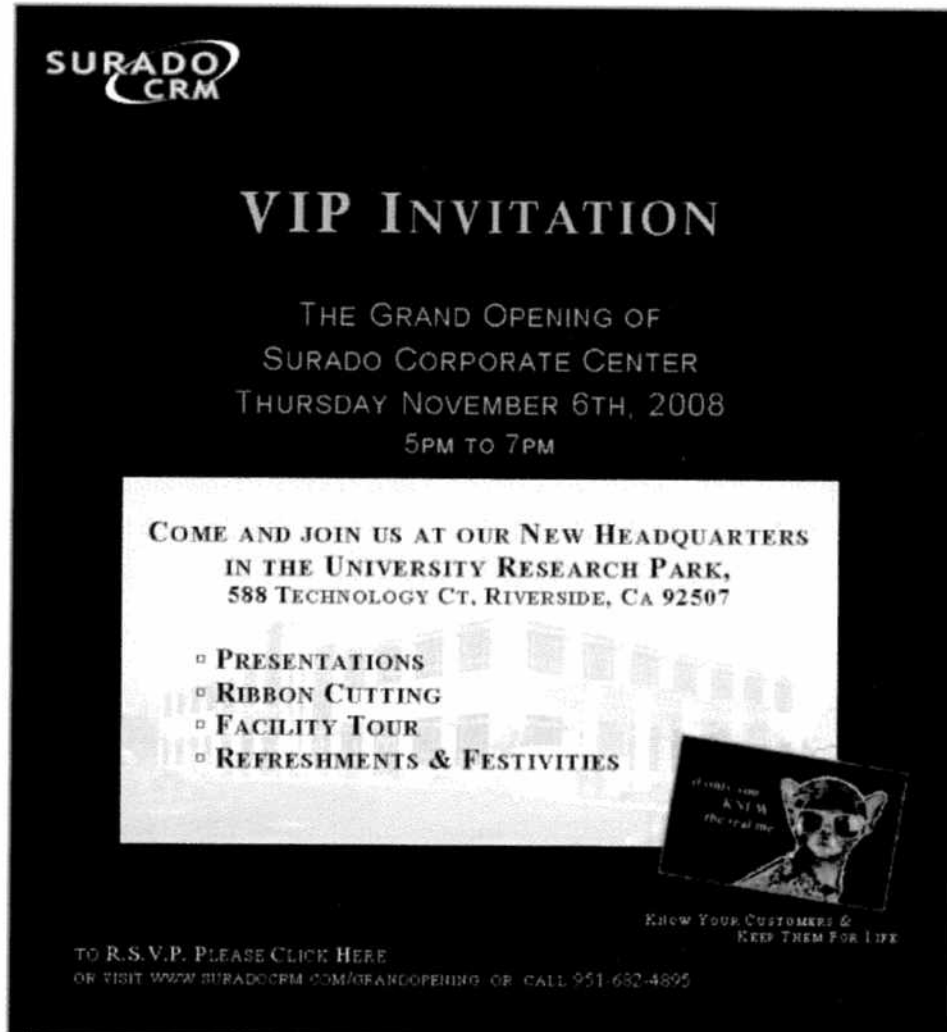
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[Invent the Future](#)

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If attending, please RSVP by visiting the following website
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We look forward to seeing you on November 6th at 5pm!

Best Regards,
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Vice President, Corporate Affairs
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