Faculty Meeting
The Henry Samueli School of Engineering
November 25, 2003


1) Call to Order 11:20.

2) Minutes of May 27, 2003 Meeting Approved.

3) Announcements
- Thank you to Professor Chen Tsai for suggestion of refreshments before the meeting. The School will continue to serve refreshments before each Faculty Meeting.
- Opening Remarks by Professor Derek Dunn-Rankin, Faculty Chair on the role of the faculty, the HSSoE By-Laws, and undergraduate and Graduate Education.

4) Introduction of New HSSoE Faculty by Department Chairs
- Professor Shinozuka, Chair of Civil and Environmental Engineering, introduced Professor Soroosh Sorooshian who joined HSSoE from the University of Arizona July 1, 2003. Distinguished Professor, Civil and Environmental Engineering, a member of the National Academy of Engineering (NAE), and Director of the Center for Hydrometeorology and Remote Sensing (CHRS). His research interests are in Hydrology, hydrometeorology and hydroclimate modeling, remote sensing, and water sources management.
- Dr. Sorooshian announced he has been joined at UCI by three Adjunct Professors; Dr. Kuo-Lin Hsu, Dr. Xiaogang Gao, and Dr. Bisher Imam.
- Professor J-L. Gaudiot, Chair of Electrical Engineering and Computer Science, introduced two new EECS faculty. Professor Beatriz da Costa joined UCI July 2003 as faculty in the ACE Program. Her research interests are in modeling and implementing non-specialized cross-disciplinary production and robotics. Her appointment is shared with SOTA. Professor Rainer Doemer also joined UCI July 2003. Areas of interest include System-Level Design, Embedded Computer Systems, Design Methodologies, Specification and Modeling Languages.
- Professor Stanley Grant, Chair of Chemical Engineering and Materials Science, introduced Professor Albert Yee who joined HSSoE July 2003 from the University of Michigan where he was faculty in, and the last six years Chair of, the Materials Science and Engineering Department. Since 2000 to joining UCI he was also Director of the Institute of Materials Research and Engineering (IMRE) in Singapore. In addition to holding a faculty position in ChEMS he will be Director of the UCI Division of Cal-(IT)2.
5) Dean's Report

- Faculty Recruitment 2004-05 — There are now 90 faculty in the School and there are 16.5 including new and turnover FTE authorized for recruitment for 2004-05. It generally takes two years to recruit outstanding faculty. The upcoming budget challenges should not influence the recruitment for these positions however the set up packages we will be able to offer may not be as large as they have been. Another challenge we will face is space. We have been slowly expanding into UCRP while we wait for space relief from the completion of the Cal-(IT)2 building later this year. The Cal-(IT)2 space is only an interim solution however because space in the Institute, in theory, is to be used to support research funded through the Institute. Engineering 3 is currently being planned. This building is targeted for completion in 2007-08. The primary occupant of the new building will be the EECS department. Space in ET will be reallocated to other departments when EECS moves out.

- The School is ready for its next phase of growth. Four were initially established — Energy (NFCRC), Biomedical Engineering (creation of the BME Department), Information Technology (creation of CPCC). Multi-million dollar results in research and funding for students have been already realized from these initiatives. A critical mass of faculty was needed in these areas so that the initiatives that have been started can be strengthened. In parallel to strengthening these current thrusts we need to visualize new initiatives. An area we might consider is Computational Chemomechanics/Nanotechnology in Biosystems. Two major questions to ask are whether students are interested in this area and whether Industry is interested — the Dean believes the answer to both is yes. Other areas to consider are areas that integrate engineering into the life sciences/human health/robotic surgery areas since that is an area in which large amounts of research funding are available. The Dean posed a challenge to the faculty and in turn hopes the faculty will challenge him to develop new programs within the school for educational and research programs.

- Undergraduate Honors Program is being developed. The School must raise funds to create scholarships for students who participate in the Honors Program and will need the assistance of the faculty to make this a successful effort.

- In a 1995 and thanks to a generous endowment from Mr. Pete Balsells, Sr. and his family, the School of Engineering at the University of California, Irvine (UCI) established the Balsells Fellowship program. The Generalitat de Catalunya, through the Departament d'Universitats, Recerca i Societat de la Informació (DURSI) became a very important partner of the program shortly after its inception. Together, UCI and the Generalitat launched the program in the fall of 1995 and the first Balsells-Generalitat arrived in Irvine in September of 1996. Today the program supports 18 fellows. Professor Roger Rangel's dedication and participation has made this program possible. It is hoped an endowment will be established which will sustain the program in the future.

- Rankings — We are rising in the rankings but we need to keep up the momentum. We should engage ourselves in how to promote each other where deserved.
• Annual Research Review: We have planned two successful Research Reviews and we are emboldened this year to change it slightly. A Symposium for May called California Prosperity through Technology is currently being planned. CEOs, Directors of Federal and State agencies are being invited to participate. The HSSoE faculty will participate primarily in Panel Discussions and/or Poster Sessions.

6) Reports of the Standing Committees:

Graduate Studies Committee — Steve Ritchie, Chair
• Campus is currently working to update the Long Range Development Plan. Under consideration are plans to grow to 40K students with graduate students constituting 20% of that total number. There are six campus committees working on various aspects of the plan. Dean Alexopoulos is chairing the committee discussing graduate student growth and research funding. Currently the faculty in the School graduate one PhD student every three years. This is above the norm for other units on campus but below that of top ranked engineering schools. Each faculty should, in general, strive for 5-7 graduate students with at least four of those in the PhD degree program and faculty should graduate, on average, one PhD student every two years.
• Shared recent statistical data from RGS which shows HSSoE enrollments up from 553 fall 2003 to 622 students in fall 2003; a 12.5% increase.
• The number of those admitted who actually enrolled for F 03 is down 24.4% and that decrease can be mostly attributed to the reduced number of offers made to foreign students. Dean s goal is to enroll 1000 graduate students.
• Met with Mr. Tom Cahoon, new Graduate Counselor for HSSoE. Mr. Cahoon is working with the Schools Computing Group to develop a continuing student database so the School will have the capability of creating its own statistical reports in the near future.

Undergraduate Studies Committee — Farghalli Mohamed, Chair - Report given by Professor Dunn-Rankin in Professor Mohamed s absence.
• The HSSoE Honors Program Committee chaired by Professor S. Atluri will remain functional until Campus approval of the program. We are moving forward with the development of the proposal to create the Honor s Program.
• A Materials Science and Engineering minor has been approved by HSSoE Undergraduate Studies Committee and has been forwarded to the Campus for approval. It is interdisciplinary in nature and should increase the number of students interested in the discipline.
• Fall 2003 will be the first quarter for on-line teaching evaluations. The Undergraduate Studies Committee approved a motion to institute the web-based version of the UCI Campus-wide Teaching Evaluation on a trial basis. Faculty encouragement of the students by the faculty is important if we want wide spread participation.
• Web Grades will also be implemented for the first time fall 2003.

Research and Travel Committee. The Chair if the Committee will be selected by the Committee at its first meeting. No report at this time.

7) Old Business — none
8) **New Business**: A Faculty Recognition Committee has been established. Professor Earthman and Tsai have agreed to chair this subcommittee of the Executive Committee and to present ideas on what we as a school can do to promote ourselves better on campus and to the community at large. Some initial ideas being discussed are to publicize the number of patents the faculty have, some changes to the Engineering Quad that show what goes on in the School to the public, and more outreach/PR. The Dean challenged the faculty to think about patents as part of our engineering faculty’s creativity and the value of patents in the evaluation of the performance of faculty — particularly if the patent has proved useful to industry and has created jobs, a new breakthrough in technology, etc.

Professor Dunn-Rankin encouraged faculty to forward issues and or topics they would like to have discussed in the Executive Committee during 2003-04.

9) **Adjourned 12:15 PM**

Respectfully Submitted by Janice Holstein