

PURDUE SCHOOL OF ENGINEERING AND TECHNOLOGY, IUPUI

Faculty Senate Meeting Minutes

FS01-3

November 13, 2001

Approved December 11, 2001

Representatives in attendance: Maurice Bluestein, Stanley Chien, Barbara Christe, Liz Coles, Mohamed El-Sharkawy, Keith Kovach, Razi Nalim, Ramana Pidaparti, Joy Starks, Dave Williamson, Charlie Yokomoto.

Guests: Ed Berbari, Charlie Feldhaus, Nancy Lamm, Marvin Needler, Ken Rennels, Harriet Wilkins and Oner Yurtseven.

Senate President, Mohamed El-Sharkawy, called the meeting to order at 11:05 a.m.

The agenda was adopted and the minutes of the October 9, 2001 meeting were approved after adding a hyphen to the term opposite-sex in the IUPUI Faculty Council Report.

Dean Yurtseven presented the Administration Report, *Attachment I*. The IUPUI plan was omitted from the Purdue University Strategic Plan meeting on November 2 due to objections to the word “autonomy” as well as the Ph.D. proposal for Engineering. A meeting is scheduled for December 3 with the IU and Purdue Presidents to discuss the plan.

Dean Yurtseven discussed the industry-school partnership between the Cyber Lab and VIFI. Ali Jafari is supervising 16 students working in the internship program at VIFI. They are working on VIFI projects 40% of the time and IUPUI projects 60% of the time. They are also gearing up for the Cyber Teen program for high school students next semester. This program is expected to assist the School in recruiting efforts.

The two administrative reviews for Greg Smith, CNC and Nasser Paydar, Office for Academic Programs are underway. The committee for Greg Smith met the week of November 5 and the committee for Nasser Paydar will meet the week of November 19. Committees will distribute surveys and request interviews with faculty and staff. Committee reports are due to the Dean by April 1 and findings will be presented in the May Faculty Senate meeting.

Several faculty members were recognized during the meeting. Charlie Yokomoto received the American Society for Engineering Education (ASEE) Education Research Methods (ERM) Division Distinguished Service Award. Charlie is the first IUPUI faculty member to receive this distinguished award. The Dean noted that this is a great honor for the School and the University. Razi Nalim received a \$14,943 grant for his proposal from Blue Operations, LLC. Zina Ben-Miled received \$250,000 from Lilly Corporation for her Computer Engineering efforts. The Engineering and Technology

Leadership Institute selected Ken Rennels to serve on their board for a three-year period. Ken is the first IUPUI faculty member to receive this honor. Congratulations to all.

Four staff members were recognized for their years of service at IUPUI during the 2001 Chancellor's Employee Recognition Convocation on November 6. Collectively, Ron Kelley (20 years), Sally Manion (25 years), Pam May (25 years) and Jim Cowan (35 years), contributed 105 years of service to IUPUI. Congratulations to everyone.

### **Reports from Standing Committees**

#### **Faculty Affairs Committee**

Marvin Needler, chair, announced that Nasser Paydar and members of the Faculty Affairs Committee are scheduled to meet with the Testing Center on November 26 regarding their recommendations on the student/instructor evaluations. Needler asked faculty senate members to share any feedback about the evaluations with the Faculty Affairs Committee prior to their meeting with the Testing Center.

#### **Graduate Education Committee**

Mohamed El-Sharkawy, member of the graduate education committee, spoke on behalf of Hasan Akay, chair. El-Sharkawy presented a new course proposal for information and comments. The Department of Mechanical Engineering Technology proposed TECH 581 Advanced Design and Development of Interactive Multimedia, *Attachment II*, as a new course for Computer Graphics Technology.

#### **Educational Policy Committee**

Nancy Lamm, chair, presented for senate approval, a proposal for a Bachelor of Science Biomedical Engineering (BSBME) degree. It was noted that the Department of Biomedical Engineering currently offers both Masters and Ph.D. programs. The Educational Policy Committee recommended approval of the proposal as it received unanimous support from the committee. *Attachment III* is a copy of the BSBME proposal. Ed Berbari, Department of Biomedical Engineering Chair, presented student enrollment projections for the program. Projections begin in the year 2004 and include Butler students. Berbari presented the sample curriculum for the BSBME program and it was "well received" by industry organizations including Lilly, Guidant and Roche.

Questions were raised regarding a sufficient number of faculty members to teach the courses. Dean Yurtseven explained that the School is receiving funds for four new BME faculty members and that the campus is requesting funds from the state for four additional BME faculty members. Dean Yurtseven stated that he plans on using campus funds as opposed to School funds for the additional faculty.

Nancy Lamm, chair, also presented for senate approval, the following new course requests for CPT.

1. CPT 325 - Human-Computer Interaction (3 cr.)  
P: CPT 223 or CPT 212.

Human-Computer Interaction (HCI) focuses on understanding how humans interact with computers and how they can use this knowledge to improve the design and evaluation of computer systems, particularly the user interface. This course will examine the development, evaluation, and testing of effective and efficient computer interfaces.

2. CPT 407 - Fundamentals of Intelligent Agents (3 cr.)  
P: CPT 254, CPT 288 and 300 level programming language.

This course covers the concepts, applications, and theories of operation of Intelligent Agent Technology. An Intelligent Agent is a software program that uses communication protocols to exchange information for automatic problem solving. Students will perform an in-depth analysis of an Intelligent Agent for a specific application and construct a prototype of it.

3. CPT 419 - Streaming Media Technology Design (3 cr.)  
P: CPT 323.

This course focuses on the technology that allows the transmission of audio, video, and multimedia type of content over the Internet or private network. Topics will focus on the understanding, design and development of efficient and effective multimedia programs.

The senate approved the new course requests with a minor wording change to the CPT 325 course description.

Course change requests were submitted for the following:

CPT 213 - Web-Based Analysis and Design (3 cr.)  
Change in prerequisites and slight modification of course description.

CPT 270 - Java Programming 1 (3 cr.)  
CPT 313 - Commercial Web Site Development (3 cr.)  
Change in prerequisites to accommodate entry of students into the new E-Commerce certificate program.

CPT 479 - Database Implementation and Administration (3 cr.)  
Change in course title and prerequisites.

The senate approved the course change requests.

### Reports of Representatives

### IUPUI Faculty Council

Representatives to the IUPUI Faculty Council are Marvin Needler, David Williamson, and Charlie Yokomoto.

Marvin Needler reported that the faculty council received a housing presentation from administration. The council also discussed the financial issues of the School of Allied Health and rejected the proposal from the Dean of the School of Allied Health. However, the council agreed to review alternative proposals submitted before December 31, 2001.

Charlie Yokomoto added that the council discussed assessment of degrees for regional campuses. The University needs to decide whether or not to offer associate degree programs. The University will submit a report to ICHE. Questions were raised regarding the implications to the School's technology programs if associate degree programs were eliminated. It was suggested that the faculty senate address and assign this issue to a committee.

With no other business or announcements, the meeting adjourned at 12:10pm.