

**UNIVERSITY COMMITTEE ON INFORMATION TECHNOLOGY  
AND TELECOMMUNICATIONS POLICY (ITTP)  
ANNUAL REPORT 2004-05**

**TO THE ASSEMBLY OF THE ACADEMIC SENATE:**

Under Senate Bylaw 181, the University Committee on Information Technology and Telecommunications Policy (ITTP) is charged with representing the Senate in all matters of instruction and research policy involving the use of information technology and telecommunications and advising the President concerning the acquisition and use of information and telecommunications technology.

ITTP held three regular meetings and three teleconferences during the 2004-05 academic year. Highlights of the committee's activities and accomplishments are noted in this report.

**Multicampus Minors**

Senate Regulation 544 permits students resident on one UC campus to enroll concurrently in and receive credit for a course offered at another UC campus. On November 10, 2004, the Assembly of the Academic Senate approved amendments to SR 544 and Senate Bylaw 170 that empowers the University Committee on Educational Policy (UCEP) to approve undergraduate courses to be specifically designated as "systemwide courses" in each of the Divisional course catalogues (<http://www.universityofcalifornia.edu/senate/reports/sr544.pdf>). This year ITTP, in consultation with UCEP, began exploring the possibility of utilizing the provisions provided in SR 544 to establish innovative, technology-driven multicampus minor degree programs. UCEP voted to endorse the concept of "multicampus minors" and drafted a plan for the establishment, using standard campus course approval procedures, and oversight of any proposed multicampus minor programs. The Academic Council approved this conceptual plan for the establishment of multicampus minors at its April 27, 2005 meeting.

IT Fluency and Impact Minor Proposal

Member David Messerschmitt is developing a proposal for the first UC multicampus undergraduate minor, "Information Technology Fluency and Impact." This program would focus on educating students so they can apply technology to their own major discipline. Establishment of this minor would serve as an example for future initiatives and help establish the infrastructure necessary for other intercampus courses and degree programs, however several significant hurdles must first be overcome. ITTP Members are working to locate faculty from several campuses that might be interested in participating in the IT Fluency minor and to identify courses that already exist on campuses that might be incorporated into the program. ITTP intends to convene a workgroup of faculty for further discussion and development of the proposal.

**Anti-Cheating Technology**

There is growing evidence that student cheating is becoming a more pervasive problem at colleges and universities; however, detecting and prosecuting offenders often requires the dedication of significant amounts of time and effort. An ITTP subgroup, led by Vice Chair Andrew Kahng, has been examining this issue and is developing a set of informational resources and recommended approaches for combating cheating.

## **Special Reports**

ITTP Members were asked to present reports on various IT topics of interest to the committee:

### Sakai Project – Collaborative Learning Environment

Member Caroline Bledsoe provided the committee with a report on her attendance at the December 2004 “Sakai Project” Conference on Course Management Systems ([http://www.sakaiproject.org/conferenceDec\\_04/index.html](http://www.sakaiproject.org/conferenceDec_04/index.html)). There are currently more than seventy institutional members of the Sakai Educational Partnership Program. These institutional partners have a strong interest in how Sakai-developed tools could help facilitate student learning; and therefore, the focus of the project has evolved from an emphasis on the mechanics of delivery (course management tools) to an emphasis on the principles of learning and assessment of learning (collaborative learning environment).

### EDUCAUSE – Core Data Service Report

Member Curt Burgess provided the committee with an overview of the findings of the EDUCAUSE Core Data Service “2003 Summary Report,” which presents comparable data collected on information technology environments and practices through a survey of member campuses (<http://www.educause.edu/ir/library/pdf/pub8001.pdf>). More than 800 colleges and universities about participated in the survey, including four UC campuses (Berkeley, Davis, Santa Barbara and Santa Cruz).

## **Consultation with the Administration**

Kristine Hafner, Associate Vice President of Information Resources and Communications (IR&C), and David Walker, Director of Advanced Technologies (IR&C), serve as consultants to the ITTP committee. Members of the committee, in their roles as ITTP representatives, also engaged in regular consultation with their campus Chief Information Officers and other IT-related administrators. This interaction with the administration has been invaluable to the committee by providing a conduit of timely information and resources.

The committee was kept informed of systemwide IT-related activities by the IR&C consultants, including regular updates on the following items:

- Activities of the Information Technology Leadership Council, an organization of UC’s chief information officers and other senior information technology leaders, to address common IT challenges for the UC campuses (<http://www.ucop.edu/irc/itlc/>). ITTP Chair Alfonso Cardenas participated in ITLC teleconferences and meetings.
- Implementation of a pilot project of the Identity Management Work Group to create “UC Trust,” an infrastructure for federated authentication from campuses and other UC sites to system-wide applications (<http://www.ucop.edu/irc/itlc/ucfedauth/>).
- Participation of several UC campuses (Berkeley, Davis, Los Angeles, Merced and Santa Barbara) in the Educational Partners Program of the Sakai Project, a collaborative project that is focusing on the development of open source interfaced instructional technology tools for use by higher education institutions (<http://www.sakaiproject.org>).
- Strategies UC campuses are employing to address illegal file-sharing of copyrighted materials (e.g., UCLA Quarantine System developed in conjunction with Universal Studios, joint UC/CSU “Legal2Share” Entertainment Service request for proposals).

- Universitywide IT Strategic Sourcing Program efforts to produce savings through the establishment of systemwide vendor contract agreements for software and hardware (<http://www.ucop.edu/irc/agree.html>).
- A proposal for the creation of a Universitywide IT Guidance Committee that would not serve as only an advisory body, but rather would have the authority to make decisions and implement systemwide IT-related actions. ITTP Chair Alfonso Cardenas participated in developing and generating support for the proposal.

### **University Open Source Process**

The committee has just begun exploring the potential for UC to create an open source infrastructure to facilitate multicampus collaborative application development efforts. Using an open source process to develop technological applications could help maximize commonality and the sharing of resources while also allowing for campuses to customize applications to meet their own unique needs. The establishment of an open source infrastructure could lower the barrier of entry for multicampus collaborations to develop these shared applications. This exploration is being taken up in coordination with the ITLC (Information Technology Legislative Council, UC campus CIO committee) and UC IR&C Associate Vice President Kristine Hafner.

### **Invited Guests**

ITTP invited several guests in addition to their regular consultants to inform the committee about specific IT-related issues. These special guests and their topics included:

#### Interinstitutional Courses

Professor Yale Braunstein (UCB) was invited to discuss his experiences teaching an interinstitutional course, “Realizing Digital Convergence,” which was offered at both the UC Berkeley School of Information Management & Systems (SIMS) and the Center for Digital Technology and Management (CDTM) in Munich. The course was designed to draw on the interests and expertise of SIMS and CDTM and to expand areas of cooperation between the two institutions. Interactive digital technologies were used in the development of the course, the delivery of the course, and student project development. ITTP noted the significant technology and non-technology hurdles to overcome at UC to enable the offering of interinstitutional and multicampus courses.

#### Strategic Sourcing

Patrick Collins, Director of Information and Communication Services (IR&C), provided ITTP with a presentation on the University’s IT Strategic Sourcing Program and explained the unique challenges of software licensing as compared to other types of licensing agreements. The IT Strategic Sourcing Program generated an estimated \$30M in savings to UC in FY03-04, and the University believes it can achieve even more savings if there are dedicated FTEs, at both the systemwide and campus levels, to direct these efforts and help facilitate license usage.

#### UC Instructional Technology Efforts

ITTP invited a panel of guests to provide information about Universitywide and campus efforts in instructional technology, the Sakai Project, and other related initiatives:

- Julius Zelmanowitz, Vice Provost, Academic Programs (UCOP)
- Julie Gordon, Director, Intercampus Program Coordination (UCOP)

- Victor Edmonds, Director, Educational Technology Services (UCB) and Chair, UC Media Directors Group
- Jackson Beatty, Chair, Faculty Committee on Educational Technology (UCLA)

The challenges associated with developing systemwide instructional technology initiatives were discussed with these guests, and several suggestions for ITTP to consider pursuing were offered. One of these recommendations, to identify niches that might be best suited for intercampus collaborations (e.g., small enrollment graduate seminars), is currently being pursued by Member Curt Burgess and Member Lisa Naugle.

### **Reports and Recommendations**

ITTP transmitted responses and recommendations to the Academic Council on the following reports and proposals:

- Systemwide Strategic Directions for Libraries and Scholarly Information at the University of California
- Proposed Policy on Use of Recordings of Course Presentations
- Proposed updates to the Electronic Information Security (IS-3) Policy
- Proposed updates to the Electronic Communications Policy (ECP)
- A legislative proposal for the National Center for Education Statistics (NCES) to collect individual student unit record data

### **Representation on Other Systemwide Bodies**

The ITTP Chair, Alfonso Cardenas, serves as a faculty representative to the Information Technology Leadership Council (ITLC) and as an ex-officio member of the University Committee on Library (UCOL). ITTP Vice Chair Andrew Kahng serves as a faculty representative to the newly formed Universitywide Information Security Committee.

### **Acknowledgment**

ITTP is grateful for the invaluable contributions made by its consultants from the Office of Information Resources and Communications: Associate Vice President Kristine Hafner and Director David Walker.

Respectfully submitted:

Alfonso Cardenas, Chair (LA)  
 Andrew Kahng, Vice Chair (SD)  
 David Messerschmitt (B)  
 Caroline Bledsoe (D)  
 Lisa Naugle (I)  
 Curt Burgess (R)  
 Michael Brook (SF)  
 Kevin Almeroth (SB)  
 Ethan Miller (SC)  
 Adam Harnetz, Student Representative (LA)

Kimberly Peterson, Committee Analyst