

## **CAMPUS IT POLICY AND PLANNING**

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**Chancellor's fall conference.** In September, the topic of the annual UC Davis Chancellor's Fall Conference was information technologies as a vehicle for innovation. Conference attendees explored a variety of topics, from IT in research and scholarship, to IT in teaching and learning, and IT in outreach and engagement. In addition, the conference focused on the impact of IT on the campus community and culture. The two-day conference featured guest presentations by Brian Hawkins, president of Educause, and Ruth Sabeen, former Assistant Vice Provost and Director, Educational Technology, UCLA. The conference resulted in a set of preliminary recommendations for leadership in information technologies, including ideas on IT governance and how best to ensure that IT directly and effectively supports the strategic goals of the institution. [vpiet.ucdavis.edu/fallconference.cfm](http://vpiet.ucdavis.edu/fallconference.cfm)

**IT administrative roadmap.** A workgroup was established earlier this year to develop a concise roadmap for administrative information technology services at UC Davis. The group is composed of representatives from Office of Administration, Office of Research Management and Planning, Information and Educational Technology (IET), Student Affairs, and (representing the deans) Mathematical and Physical Sciences. To assist with the formulation of a five-year vision for IT administrative services, the campus has engaged the services of the Exeter Group. Exeter consultants will be holding discussion sessions with owners of campus IT systems and key campus constituencies in September and October. A draft report is expected later this fall. [vpiet.ucdavis.edu/itroadmap.cfm](http://vpiet.ucdavis.edu/itroadmap.cfm); Dave Shelby, [drshelby@ucdavis.edu](mailto:drshelby@ucdavis.edu).

**Administrative computing policy.** A new campus administrative computing policy was officially adopted in September. The policy defines oversight for review and coordination of campus administrative systems that meet one or more specified criteria. It also outlines a process by which the project sponsor and the Vice Provost-IET will jointly determine whether a proposal for a new system (or a significant modification of an existing system) warrants further discussion. By ensuring that existing and proposed administrative IT investments benefit from timely review and evaluation, the policy is expected to promote a long-term integrated systems approach for the campus. [vpiet.ucdavis.edu/adminpolicy.cfm](http://vpiet.ucdavis.edu/adminpolicy.cfm); Dave Shelby, [drshelby@ucdavis.edu](mailto:drshelby@ucdavis.edu).

**Electronic accessibility policy initiative.** In August, UC Davis initiated the first phase of a campus review of the draft policy and guidelines developed by the UC Electronic Accessibility Policy Review Group. Vice Provost Pete Siegel, a member of the Policy Review Group, solicited comments from the campus technical community. This feedback will be shared with Karen Hull, Interim Associate Vice Chancellor-Human Resources, and the UC Policy Group. [vpiet.ucdavis.edu/electronic\\_accessibility.cfm](http://vpiet.ucdavis.edu/electronic_accessibility.cfm)

**Campus IT architect.** The search for a new campus information technology architect has been expanded. The search committee is exploring several options for the next phase of this recruitment. In the interim, IET's work on several key campus IT architecture projects continues. [iet.ucdavis.edu/jobs](http://iet.ucdavis.edu/jobs); Bob Ono, [raono@ucdavis.edu](mailto:raono@ucdavis.edu).

**Data center planning.** The growing appetite for data center facilities and services, as well as capacity issues for existing campus facilities, has led to an initiative to identify and analyze short and long-range solutions. Data center planning has been divided into three phases. The first phase was completed in August. It involved limited renovation of the existing data center, adding power and air conditioning capacity to machine room space as well as capacity for approximately 10 additional racks. Phase II will provide for the additional 24 racks needed to meet projected needs until approximately 2009. Phase III -- the "long-term" planning horizon (2009 and beyond) -- focuses on the construction of a new facility, expansion of the existing facility, and/or other approaches to address anticipated capacity needs over the next ten years. Morna Mellor, [mwmellor@ucdavis.edu](mailto:mwmellor@ucdavis.edu).

**Telecommunications strategic directions.** In the spring, a strategic planning document was developed that outlines the need to tune, reinforce, and develop the campus telecommunications infrastructure over the next several years. The document identifies the current state and limitations of campus telecommunications services and infrastructure and provides a set of alternatives for campus consideration that could mitigate the impact of this aging telecommunications environment on UC Davis' goals for national distinction as an R1 research institution. The strategic planning document was

discussed with the Office of Resource Management and Planning and with Interim Provost Horwitz in summer 2007. In the coming months, the proposed strategic direction will be shared with the greater campus community, and feedback will be gathered as IET continues to plan the implementation details. Dave Klem, [djklem@ucdavis.edu](mailto:djklem@ucdavis.edu).

**Emergency automated notification system.** Last fall representatives of the Police Department, Operations & Maintenance, Campus Emergency Management, and IET formed a committee to develop a plan to alleviate call congestion on the campus' telephony switch and to notify the campus quickly in the event of an emergency. The committee released an RFP in December 2006. Since then, several vendors' proposals and presentations have been evaluated. The committee has selected W.A.R.N. and is now in the final stages of negotiations with the vendor. IET is developing a confidence test to assess all the functionality (and technical requirements) outlined in the RFP. Once this phase is complete and the vendor has successfully demonstrated their abilities, Safety Services will move forward with the implementation. [vpiet.ucdavis.edu/emergencyplanning.cfm](http://vpiet.ucdavis.edu/emergencyplanning.cfm); Laine Keneller, [lwkeneller@ucdavis.edu](mailto:lwkeneller@ucdavis.edu).

**Identity management.** During the summer, IET and Accounting and Financial Services (A&FS) collaborated on a successful role management proof of concept. IET and A&FS are now considering purchasing the product and integrating it in the MyTravel and WebPan applications. The role management product will allow departments to set up and maintain approvers for MyTravel and WebPan. In addition, a broad-based Identity Management Technical Advisory Workgroup has been established. The workgroup will be responsible for the high-level design of a virtual directory services, and a person registry, as well as other deliverables identified in the previously released Burton Report. In the near term, the workgroup will participate in the review and wider implementation of the selected role management product. [vpiet.ucdavis.edu/init\\_identity.cfm](http://vpiet.ucdavis.edu/init_identity.cfm); Debbie Lauriano, [dalauriano@ucdavis.edu](mailto:dalauriano@ucdavis.edu).

## **INFORMATION TECHNOLOGY IN SUPPORT OF CAMPUS BUSINESS**

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**Banner revitalization initiative.** Student Affairs is heading a revitalization initiative to perform a detailed comparison of the baseline and UC Davis versions of the software, with the goal of recommending a path forward to increase the flexibility and responsiveness of the Banner system. The comparison is needed in order to identify where the baseline version could satisfy UC Davis' business needs and local changes could be backed out. Banner was implemented at UC Davis nearly 15 years ago. Over time, local changes have affected our ability to take advantage of SGHE enhancements and to implement major upgrades from the vendor. The current phase of the initiative is to identify what business needs have been implemented in the local version of Banner. Although there will always be a need for specific changes to the software, the Banner team hopes to develop a less-intrusive implementation strategy. Peter Brinckerhoff, [pjbrinckerhoff@ucdavis.edu](mailto:pjbrinckerhoff@ucdavis.edu).

**PPS Decision Support Architecture.** PPS Decision Support's entire underlying architecture and report access rules were redesigned over the past several months and successfully implemented this summer. The new structure continues to use the data access rules to give departments and central offices access to the existing reports. It also now offers custom reports targeting specific audiences and specialized reports that take into account the differences between UC Davis Health system and campus accounting structures. This change also coincided with and completed the system's compliance with the campus' mandated cyber-safety policies. All sensitive data was removed or encrypted, all applications for access were reviewed, and all PPS Data Warehouse data views were updated. Debbie Lauriano, [dalauriano@ucdavis.edu](mailto:dalauriano@ucdavis.edu).

**Campus Data Warehouse.** The Campus Data Warehouse has successfully migrated to a new and faster database server and now fully complies with the campus cyber-safety mandates. In addition to lending advanced technical and programming support to Graduate Studies' implementation of their graduate application review (GARD) system, the team has collaborated with Office of Resource Management and Planning to add several new Instructional Activity reports to the SIS Decision Support system, continued to develop a Web-based application tracking system, and improved the data extraction processes updating the Data Warehouse. Linda Durst, [ljdurst@ucdavis.edu](mailto:ljdurst@ucdavis.edu).

**Kuali.** The KFS community is working diligently towards meeting the next project milestone with Release 2.0 in October 2007. UC Davis, UC Irvine, and UC Santa Barbara are active participants in the development of KFS, along with Indiana University, University of Arizona, Cornell University, and others. UC subject matter experts are defining functional requirements, testing and reviewing the user documentation. The UC Davis efforts are currently focused on working with Kuali Foundation to build

the core KFS system, which is scheduled for completion in 2008. Our local implementation efforts will begin in October 2008, with an anticipated rollout date of July 2010. The project is sponsored by the Office of Administration. [accounting.ucdavis.edu/projects/UCDKuali/](http://accounting.ucdavis.edu/projects/UCDKuali/)

**Effort reporting.** A Web-based Effort Reporting System (ERS) has replaced the paper-based Personnel Activity Report (PAR) system of reporting employee effort on federally funded projects. As of September, 97 percent of the 6,300 reports generated for the first reporting cycle, covering the period July 2006 through December 2006, have been completed—a significant improvement in the completion rate compared to the prior paper-based PAR system. The next reporting cycle will cover the nine-month period of January through September 2007, with those reports generated and available for certification in mid-November. After this reporting cycle, effort reports will be generated on an annual basis covering the twelve-month period of October through September. The project is sponsored by the Office of Administration. [accounting.ucdavis.edu/projects/ERS/](http://accounting.ucdavis.edu/projects/ERS/)

**MyTravel.** MyTravel, a new, Web-based system for reporting travel and entertainment expenses, is now being used by 265 units, including academic and administrative units at the UC Davis main campus and health system. MyTravel streamlines the entire reimbursement process from capturing receipts electronically to automatically routing the report for required approvals. The pilot departments have been providing helpful suggestions and as a result several improvements continue to be made to the system. A recent major enhancement allows users to ad-hoc route reports for additional approval. The rollout will continue into 2008 with efforts focused on assisting departments' transition from paper to the web-based system. Over 14,000 expense reports have been created to date in MyTravel. The project is sponsored by the Office of Administration. [travel.ucdavis.edu/mytravel/](http://travel.ucdavis.edu/mytravel/)

**Faculty merit and promotion.** An upgrade is in progress for the MyInfoVault (MIV) application in order to improve the overall architecture and to create a more intuitive look and feel. MIV, which is sponsored by Academic Personnel, is a Web-based system that creates faculty digital portfolios in support of academic merit and promotion actions. During the upgrade, the current practice of allowing HTML codes to be entered and stored directly in the MIV database was found to cause problems with maintaining MIV as a data repository. A solution has been identified, and detailed planning is in progress to determine the timeline required to develop the solution and complete the implementation. Meanwhile, the pilot continues to move forward. Schools and colleges representing 124 departments and 2,900 accounts are participating; users have created over 1800 merit and promotion packets. [myinfovault.ucdavis.edu](http://myinfovault.ucdavis.edu); Joyce Johnstone, [jmjohnstone@ucdavis.edu](mailto:jmjohnstone@ucdavis.edu).

**Online temporary affiliate form.** The paper-based temporary affiliate sponsorship process is scheduled to be replaced in October with an online application. The online TAF system will expedite the process of establishing a computing account for non-UC Davis affiliates and providing access to the UC Davis data network. Researchers, visiting faculty, visiting students, vendors, and conference attendees are some of the people that will benefit from this online offering. Temporary accounts expire after one year and may be reinitiated as necessary. Hampton Sublett, [hsublett@ucdavis.edu](mailto:hsublett@ucdavis.edu); [email.ucdavis.edu/email/accountproxyprogram.php](http://email.ucdavis.edu/email/accountproxyprogram.php)

## **COMPUTER AND NETWORK SECURITY**

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**Annual cyber-safety reports.** Technical leads from each college, school, and administrative unit have until late September to submit their annual cyber-safety reports. In early fall quarter, the campus IT security coordinator will work with the technical leads to review their cyber-safety reports and to identify high-risk areas and potential solutions not only for each college, school or office, but also for the campus as a whole. Later in fall quarter, Vice Provost Siegel and the IT security coordinator will begin meeting with deans, vice chancellors, and vice provosts to discuss the report findings and next steps for improving campus IT security. An annual report is expected in early winter quarter. [security.ucdavis.edu/cybersafety.cfm](http://security.ucdavis.edu/cybersafety.cfm); Bob Ono, [raono@ucdavis.edu](mailto:raono@ucdavis.edu).

**Web application security.** Web application security was added to the list of UC Davis Cyber-safety Program standards in June 2007. Shortly thereafter, the IET security group began investigating open-source and commercial tools that can be used by web developers, content managers, database administrators, and system administrators to check web applications for vulnerabilities. Based on these investigations, the group recommended Watchfire, a web application security software that pinpoints critical security vulnerabilities and helps fix them. Watchfire can be deployed in a variety of application instances, including test, development and production. [security.ucdavis.edu/webapp.cfm](http://security.ucdavis.edu/webapp.cfm); Bob Ono, [raono@ucdavis.edu](mailto:raono@ucdavis.edu).

**Firewall subsidy program.** Following a three-month application period from early March to late May, the IT security coordinator authorized reimbursements for all six units that submitted firewall subsidy requests. In 2006, campus units reported that funding was the primary hurdle preventing implementation of VLAN firewalls and compliance with the cyber-safety firewall standard. The three-year Firewall Subsidy program, which provides up to \$170,000 each year for the next 3 years, is designed to help campus units meet this mandate. [vpnet.ucdavis.edu/firewallsubsidy.cfm](http://vpnet.ucdavis.edu/firewallsubsidy.cfm); Bob Ono, [raono@ucdavis.edu](mailto:raono@ucdavis.edu).

**Network admission control.** The network admission control RFP released in April was cancelled. After evaluating proposals, the project team determined that no product met campus requirements. The project team is reviewing the RFP and expects to issue a revised version in winter 2008. When selected, the network admission control (NAC) is expected to be deployed first on ResNet, the data, voice, and video network installed in all student housing facilities. A NAC system interrogates computers and other devices that connect to the campus network to ensure that they meet security requirements before granting access. [vpnet.ucdavis.edu/init\\_endpoint.cfm](http://vpnet.ucdavis.edu/init_endpoint.cfm); Bob Ono, [raono@ucdavis.edu](mailto:raono@ucdavis.edu).

**Encryption.** On May 29, the campus adopted the [Whole Disk Encryption policy](#) (PPM 310-75). The policy requires the use of whole disk encryption to encrypt computer systems that store restricted information if other protections are limited, and to encrypt the information if necessary to keep it from being stolen or misused. To help protect restricted data, Pointsec for PC whole disk encryption software is available to campus users running Windows XP and Windows 2000. Pointsec encryption for Vista users is expected to be available in late fall 2007. IET offers free Pointsec for PC licenses for people and departments who show the need for encryption. [security.ucdavis.edu/encryption.cfm](http://security.ucdavis.edu/encryption.cfm); Bob Ono, [raono@ucdavis.edu](mailto:raono@ucdavis.edu).

**Intrusion prevention.** This fall, an intrusion prevention system (IPS) will be implemented to help prevent malicious network traffic from reaching its intended destination and to identify local sources of malicious traffic. The IPS will be an integral part of the existing campus security architecture, which includes the vulnerability scanning and remediation system; it will also improve the campus' ability to respond to zero-day exploits, or attacks on computer security holes for which no patch is available. For approximately four weeks in October and November 2007, the IPS will be up and running, but not blocking any traffic. The purpose of the test period will be to gather feedback from the campus technical community regarding the accuracy of the IPS. Following the test period, in mid- to late November, traffic blocking will be implemented. [security.ucdavis.edu/vuln\\_resources.cfm](http://security.ucdavis.edu/vuln_resources.cfm); Bob Ono, [raono@ucdavis.edu](mailto:raono@ucdavis.edu).

**VPN access to library resources.** Responding to faculty requests, the University Library, working with IET and the School of Law, implemented a virtual private network over the summer. Until now, off-campus users had to use a proxy service to get access. The VPN allows remote access to more resources, increases security, and doesn't require users to change their Web browser settings. All campus users need now is an Internet connection, campus login ID, and Kerberos password. [vpnet.ucdavis.edu/init\\_ucdvpn.cfm](http://vpnet.ucdavis.edu/init_ucdvpn.cfm); Bob Ono, [raono@ucdavis.edu](mailto:raono@ucdavis.edu).

**Shibboleth.** In August, UC Davis was one of 16 universities and colleges that joined InCommon. UC Davis has also become the fifth UC campus to be certified by UCTrust. To join UCTrust, campuses must certify that potential users of the applications are who they say they are--in Davis' case, by demonstrating that new employees are required to show a government-issued picture ID--and must use Shibboleth. In the near term, two UC-wide applications hosted by the Office of the President will require campuses to use Shibboleth: At Your Service Online and the new Learning Management System. UC Davis employees will be able to use their campus logins and Kerberos passwords to access these applications, effectively using a single sign-on for many local services and these external systems. These recent developments put UC Davis in a position to participate with other federated applications and services as they become available either at the UC level or with outside groups. [middleware.ucdavis.edu/shibboleth.php](http://middleware.ucdavis.edu/shibboleth.php); Hampton Sublett, [hsublett@ucdavis.edu](mailto:hsublett@ucdavis.edu)

**CAS.** Over the past few months, IET has made significant progress increasing the stability and reliability of the Central Authentication Service (CAS) server configuration. CAS was piloted in June 2006 and released in December 2006. Distauth, UC Davis' current Web sign-on system, will eventually be replaced by CAS. In the meantime, CAS has been modified to accept valid Distauth authentication information, which enables departments to run both CAS- and Distauth-protected applications while minimizing the number of sign-ins required. Following the next software release, CAS will be deployed in a cluster of servers providing failover protection and increased capacity. Once deployed, CAS will

move to a full-time SLA with no anticipated downtime. The new software build is expected to be installed and the server cluster testing and integration to be completed by late October. CAS will also expand to provide new methods of authentication for clients such as automatic Windows single sign-on and RADIUS authentication. [middleware.ucdavis.edu](http://middleware.ucdavis.edu); Hampton Sublett, [hsublett@ucdavis.edu](mailto:hsublett@ucdavis.edu).

**IT security symposium.** Nearly ten months of planning culminated in what was arguably the most successful UC Davis IT Security Symposium to date. In June, 240 registered conference attendees participated in up to ten sessions selected from over 48 lecture and hands-on lab options. The sessions covered a broad range of topics, including disaster recovery planning, authentication, UC Davis Cyber-safety policy, secure coding practices, protecting personal identity information, and many others. Presentation materials and podcasts of most lecture sessions are available. [itsecuritysymposium.ucdavis.edu](http://itsecuritysymposium.ucdavis.edu); Bob Ono, [raono@ucdavis.edu](mailto:raono@ucdavis.edu).

## **TELECOMMUNICATIONS AND NETWORKING**

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**Lambda line to UC San Diego.** The installation of a new, 10-gigabit-per-second Lambda channel over CENIC's statewide optical network infrastructure has begun. The new Lambda channel will enable extremely high-volume file transfers in support of UC Davis' research efforts in the fields of Genomics and Bioinformatics. It is being installed between UC Davis and CalIT2 on the UC San Diego campus. The channel also has the potential of being used by other research efforts. Rodger Hess, [rw Hess@ucdavis.edu](mailto:rw Hess@ucdavis.edu).

**Cellular coverage.** IET and the office of Real Estate Services have been working with the four primary cellular carriers (Verizon, AT&T, T-Mobile, and Sprint) to install cell sites on the main campus. In October, both Verizon and Sprint will have completed their site license agreements with UC and will be moving forward with construction plans. The AT&T and T-Mobile agreements are still being negotiated, but all parties expect site construction to start in 2008. While specific vendor cell sites will improve coverage for individuals who use their services, the campus intends to provide cellular coverage in campus buildings for all cellular carriers. Telecommunications building standards are being updated to include "vendor neutral" cellular in-building systems. The team is holding future technology and service direction meetings with all cellular carriers, and working on funding and deployment solutions to meet this campus need. Zack O'Donnell, [zmodonnell@ucdavis.edu](mailto:zmodonnell@ucdavis.edu).

**802.1x wireless.** This summer, a new 802.1x wireless network service called MoobilenetX was piloted. The new network provides encryption, enhanced authentication, and improved performance. Based on the pilot's success, MoobilenetX is expected to be deployed this fall in time for the start of the academic year. MoobilenetX will be offered in parallel to Moobilenet (the current campus wireless network), and will be available in the same coverage areas. MoobilenetX requires configuration changes. Instructional materials and an auto-configure tool will be made available. [vpnet.ucdavis.edu/init\\_moobilenet.cfm](http://vpnet.ucdavis.edu/init_moobilenet.cfm); Mark Redican, [mredican@ucdavis.edu](mailto:mredican@ucdavis.edu).

**Overhaul of wireless network equipment.** The campus wireless networking equipment will be upgraded over the next few months. The upgrade will provide improved roaming between wireless access points, as well as enhanced security features, centralized network management through a new wireless network controller, and better network coverage through automated sensing and tuning of wireless signal strength. Over the course of the fall and winter quarters, centrally-managed wireless access-points that provide Moobilenet and MoobilenetX service will be replaced with the new hardware. Mark Redican, [mredican@ucdavis.edu](mailto:mredican@ucdavis.edu).

## **CAMPUS EMAIL**

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**Cyrus.** The migration of campus email accounts to Cyrus, the new back-end system, began in June and was completed at the end of August. During the migration, more than 52,000 accounts were successfully placed on two new servers. During the second week of September, one of the servers began experiencing problems, leading to significant email outages for a large percentage of approximately 28,000 account holders. The team consulted with various experts (Sun, Cyrus, etc.) and worked diligently throughout the week to determine the cause of the problem and restore service. Over the following weekend, system administrators migrated thousands of campus email accounts to additional servers; spreading the load over more servers has so far prevented a recurrence of the problem. The group has identified the source of the initial problem, and is evaluating long-term solutions. Vice Provost Siegel has established an independent review group, led by a dean and with

faculty and technical staff participation, to assess the problem and develop recommendations. [vpiet.ucdavis.edu/email.storage.cfm](http://vpiet.ucdavis.edu/email.storage.cfm); Morna Mellor, [mwmellor@ucdavis.edu](mailto:mwmellor@ucdavis.edu).

**Gmail student pilot.** This fall, the campus will invite about 500 students to participate in a Gmail pilot. The students will keep their @ucdavis.edu address and will be able to access their accounts from the MyUCDavis portal. The campus will provide tech support, so if users have questions about Gmail, they'll contact IT Express, the campus computing help line, for assistance. The students can also use the other tools offered in Google Apps, such as the chat room and calendar, but support for those tools will come directly from Google. The campus wants to see if working with Google can provide UC Davis students a better set of tools than the campus alone can provide, and wants to collect data to decide if Gmail should be offered to all students. The pilot is scheduled to start around the end of November. The Office of the President is negotiating a systemwide contract. [vpiet.ucdavis.edu/student.email.cfm](http://vpiet.ucdavis.edu/student.email.cfm); Gaston De Ferrari, [gdeferrari@ucdavis.edu](mailto:gdeferrari@ucdavis.edu).

## INFORMATION TECHNOLOGY IN SUPPORT OF TEACHING AND LEARNING

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**Summer institute for faculty.** The annual UC Davis Summer Institute on Teaching and Technology (SITT), presented by the Teaching Resources Center, took place from July 16-20. SITT provides an opportunity each summer for campus faculty, lecturers, and graduate students to explore new approaches to great teaching. About 120 people registered, a slight increase from 2006. Participants chose among dozens of programs on topics that ranged from SmartSite and writing to digital imaging and copyright. Presenters, from a variety of disciplines, ranged from undergraduates to senior faculty. Some sessions were lectures. Others were hands-on workshops. Next year, SITT will be held in September to move the event closer to the start of the fall quarter. [trc.ucdavis.edu/trc/sitt/SITT07/](http://trc.ucdavis.edu/trc/sitt/SITT07/); Andy Jones, [aojones@ucdavis.edu](mailto:aojones@ucdavis.edu).

**Sakai.** SmartSite has emerged from its pilot phase and is now being introduced officially as UC Davis' system for course management and collaborative projects. In preparation for the official roll-out and increased usage, two major system upgrades were completed, two application servers were added, and 100 more AFS volumes are available for content storage. In addition, users can now create their own course and project sites directly from SmartSite, and the Gradebook tool is now more robust and includes categories and weighting. Biweekly training sessions will continue to be offered through the Teaching Resources Center ([trc.ucdavis.edu/TRC/calendar](http://trc.ucdavis.edu/TRC/calendar)). Tools for exporting course Web sites, tests, and quizzes created in MyUCDavis will continue to be available. Between the mid-June system update and end of August 2007, over 300 SmartSites were added to the system, many of which were course sites created by instructors. [smartsite.ucdavis.edu](http://smartsite.ucdavis.edu); Kirk Alexander, [kdalex@ucdavis.edu](mailto:kdalex@ucdavis.edu).

**Adobe Connect.** A pilot was conducted to test and compare Adobe Connect Pro and Elluminate, two top-ranked online communications and collaborations applications. Although the user interface for Elluminate was preferred, in the eight key areas of evaluation (accessibility, video capacity, number of users on campus, cross platform support, performance under increasing concurrent users, standards based development, content development capabilities, and cost), Adobe Connect came out ahead of Elluminate. Adobe Connect will be offered to the campus community for both business and instructional uses. [iet.ucdavis.edu/teaching/commtool.cfm](http://iet.ucdavis.edu/teaching/commtool.cfm); Liz Gibson, [emgibson@ucdavis.edu](mailto:emgibson@ucdavis.edu).

**Newest state-of-the-art classroom.** After several years of planning and coordination, UC Davis' newest classroom building, Warren and Leta Giedt Hall, was completed during the spring. Multimedia systems were installed in the building's three large lecture halls and two 40-seat classrooms. The systems include dual data projection in the three lecture halls, which allows the same image to be shown on both screens at the same time or separate images from different sources to be shown on separate screens. All five classrooms were also outfitted with document cameras, and the three lecture halls have digital recording systems to allow all lectures to be podcast. These new classrooms will be fully operational for the fall quarter. Rick Sprunger, [essprunger@ucdavis.edu](mailto:essprunger@ucdavis.edu).

**Additional classroom upgrades.** Recent classroom upgrades and equipment additions, funded through the Registrar's Office, include: upgrading nine classrooms with media cabinets and data projectors; replacing 32 old data projectors with high-resolution Hitachi CPSX-1350 projectors; updating overhead projectors with 20 new high-resolution document cameras; installing digital audio recorders in five more lecture halls that currently have wireless microphone systems but no recording capability (18 classrooms now have digital recording capability to support podcasting). In addition, audio-visual planning is under way for laboratory classrooms in the Mondavi Wine and Food Institute

building. Media installation is anticipated to take place during spring and early summer of 2008, with occupancy anticipated for fall 2008 instruction. Rick Sprunger, [essprunger@ucdavis.edu](mailto:essprunger@ucdavis.edu).

## **SOFTWARE, TRAINING & USER SUPPORT**

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**RIAA notices.** The Recording Industry Association of America has sued 16 users of the UC Davis computer network, claiming they violated copyrights by illegally sharing music online. They have given notice that they plan to sue 5 more. The "John Doe" lawsuits don't say who is being sued—so far, the trade group only has the computer addresses of the machines involved in the file-sharing—but the group can subpoena UC Davis to learn to whom those addresses belong. The lawsuits are part of an ongoing industry campaign to discourage unauthorized free file-sharing of music. In June, UC Davis received and forwarded 34 settlement letters; the 16 lawsuits are presumably those who did not settle. While pre-lawsuit settlement amounts would have been somewhere around \$3,500 each, settlements after the lawsuits are filed are expected to be about twice that. [dmca@ucdavis.edu](mailto:dmca@ucdavis.edu).

**Vista.** Earlier this year, in collaboration with campus technical representatives, IET developed recommendations and support plans for Microsoft Vista. On July 1, IET began officially supporting Vista. For students who purchase PCs, the new computer ownership recommendations were updated to meet the Vista operating system's hardware requirements ([computerownership.ucdavis.edu](http://computerownership.ucdavis.edu)). When purchasing new PCs, students are encouraged to select a laptop and/or a system with Vista Home Premium or better. On August 17, funding from Microsoft allowed UC Davis to offer Vista training for the campus technical community. One day of comprehensive lecture-style training was provided. The training was open to all technical support staff; approximately 100 participants attended the training. The training and instructor were very well received. Additional Vista-related training will be considered in consultation with the technical community. Sarah Robertson, [srobertson@ucdavis.edu](mailto:srobertson@ucdavis.edu).

**Sophos.** In late 2006 Sophos was selected for a five-year campus-wide licensing agreement for anti-virus software. In addition to providing students, staff, and faculty with virus protection, the agreement includes a five-day "Quickstart," during which time Sophos is to provide technical training to the UC Davis community as well as assistance setting up local update servers and other related services. Two days of the Quickstart took place on July 25th and 26th for advanced technical training; approximately 50 participants attended sessions on enterprise console implementation, competitive removal configuration, operation and administration training, and help desk training. Three Quickstart days remain to be planned. Sarah Robertson, [srobertson@ucdavis.edu](mailto:srobertson@ucdavis.edu).

**Internet tools.** Sophos anti-virus software is available to the community for free on the latest version of the Internet Tools CD. In addition to Sophos, other useful software applications on the CD include Endnote bibliographic software and various security tools. The CDs have been distributed at new employee, freshman, and transfer student orientation sessions. The CDs will also be distributed to students during student move-in weekend, when IET staff provide new students with computing support and services. [online.ucdavis.edu](http://online.ucdavis.edu); Mark Stinson, [mpstinson@ucdavis.edu](mailto:mpstinson@ucdavis.edu).

**Enterprise backup.** After months of working with Symantec, the UC Technology Acquisition Support (TAS) group and the UC Office of the President (UCOP) to develop an agreement for enterprise backup software, the campus can now use the University-wide Software Volume License Agreement (SVLA) to make a large volume purchase without needing to go through a formal competitive bid process. UC Davis continues to work with OP, the UC campuses, and Symantec to determine discount levels and management options. Sarah Robertson, [software@ucdavis.edu](mailto:software@ucdavis.edu).

**Parallels.** In early summer, Office of the President negotiated an agreement on behalf of the UC campuses with the Software reseller SHI for Parallels software. Parallels allows Macintosh users to run the Windows operating system and Windows-only software. Parallels is now available for purchase by UC Davis staff and faculty on the campus Software Web site. <https://my.ucdavis.edu/software/>. Sarah Robertson, [software@ucdavis.edu](mailto:software@ucdavis.edu).

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