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FCCC and CCCC Partnership to Help Colleges With High Cost of Delivering Online Education

by Sandoval Chagoya,
CCC TechEDge Editor

A new, strategic partnership in the California Community Colleges will reduce the cost that individual colleges pay to deliver online education. The partnership will provide centralized course management software (CMS) and course hosting; with 24/7 help desk support for faculty, staff and students.

The partnership stems from the recent restructuring of the California Virtual Campus (CVC). The partners include the Foundation for California Community Colleges (FCCC), California State University (CSU), the CCC Chancellor's Office, @ONE and CCC Confer.

The grantee for the CVC request for application (RFA) will become an additional partner. Submissions for the CVC RFA are due May 25, 2005.

The new incarnation of the CVC marks the continuation of a six-year statewide program. The CVC provides support for distance and online learning for all California Community Colleges. It is grant funded through the CCC Chancellor's Office Telecommunications & Technology Infrastructure Program (TTIP).



The 2005 CVC RFA had new specifications based on input from a variety of sources, including the CVC Review Committee, the Distance Education Technical Advisory Committee, the Telecommunications & Technical Advisory Committee, and special consultant to Chancellor Mark Drummond, Jack Hall. Hall is the Chief Technology Officer at Florida Atlantic University.

The new RFA includes these elements: Hosting for course management software that allows individual account management, 24/7 faculty and student help desk, maintenance of

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Grants Manager and Revenue Generation Committee to Lead Pursuit of External Funding for CCC Systemwide Technology

by Sandoval Chagoya,
CCC TechEDge Editor

An expert on grants funding has been hired to support the California Community Colleges Chancellor's Office and the System at large in an ongoing effort to infuse systemwide technology with external funding.

Juri Britts, Manager of Grants Research and Development, joined the CCC Technology Center at Butte-Glenn Community College District, near Chico in January 2005. Britts has more than 30 years of experience in grant

funding and revenue generation, securing more than \$318 million in grants, contracts and gifts from public, private and foundation sources.

"Because of diminishing State funding, California's colleges are forced to look for other revenue sources, even to maintain existing levels of service," Britts said. "I joined the CCC because I saw an opportunity to help build a grants culture that will benefit our community colleges. We need to ensure an education in technology that makes our students competitive in the new global work force of the 21st Century."



Juri Britts, Manager of Grants Research and Development, at his desk on the Butte College campus.

Before joining the California Community Colleges, Britts worked as a Development

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TechEDge is published quarterly, with at least two additional special issues per year. It is distributed to distance educators, information systems officers, business leaders, the California legislature, and other interested parties. A current editorial calendar is available at ccctechedge.com.

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TechEDge welcomes relevant submissions and feedback, and we will gladly add you to our mailing list by request. Direct all correspondence to the TechEDge editor, Sandoval Chagoya, at:

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Tracking Technology

Spring has sprung here in Sacramento and spring at the System Office means it's conference season, legislative season and budget season. This year has been exceptionally busy on all these fronts, but soon the fruits of our collective labor will ripen.

AB1417 (systemwide performance reporting) has dominated the spring landscape. The process of creating a new systemwide reporting framework in a mere 75 days, getting approval from Consultation Council, the BOG, constituent groups, Department of Finance, Legislative Analyst and hopefully the Legislature and Governor was rapid and challenging, but to date successful. With important contributions from the RP Group's Center for Student Success, it looks as if we managed to create a workable proposed system that can be useful for the system while satisfying an accountability need, and ultimately restore the \$31.4 million set aside in last years budget pending the outcome of the project. If AB1417 is implemented in the 2005-06 budget, System Office research resources will be augmented to create the first set of reports, probably by April 2007.

While it will ultimately be good that all the metrics are derived from existing MIS data, it does mean that existing MIS data will be scrutinized even further, so data integrity is once again at the forefront. Fortunately, the System Office has already been hosting numerous trainings and workshops in this area (18 are scheduled in 2005). Designed to assist the field practitioner in MIS, research and categorical areas, these trainings have been in high demand, and we plan to continue to offer more of them on a continual basis. Colleges and districts are urged to send new staffers and data owners as teams to Sacramento to create a local synergy of data review. Upcoming workshops can be viewed at <http://www.cccco.edu/divisions/tris/mis/submission.htm>.

Based upon questions from the Administration, two of the three budget change proposals submitted for consideration seem to at least be getting some interest and review: Cal-PASS (California Partnership for Achieving Student Success) and CCCTran (electronic transcript project). Cal-PASS, headed by Brad Phillips, continues to interest legislators, and received a favorable write-up in the Legislative Analyst's January budget analysis. Cal-PASS now has more than 800 partner K-12, CCC, CSU, UC and private institutions participating who submit enrollment data to a centralized data warehouse; data is used to assist in curricular alignment activities.

CCCTran creates the backbone for an intersegmental, XML-based electronic transcript exchange system. Now having completed a successful pilot, a vendor has been chosen for the project (XAP, who already runs our systemwide common

application, CCCApply). If the budget augmentation for CCCTran is approved, it will greatly enhance our chances of rapidly implementing this technology on behalf of all students and segments of education; we will also likely be the first system nationwide to adopt and implement the new national standard for XML transcript exchange in higher education.

The combined CISOA-RP Group annual conference continues to have a great turnout and synergy. Hosted in Granlibakken, Lake Tahoe this year, the conference was a great success with a full vendor turnout, presentations from practitioners and system office staff and a strong cooperative environment between both groups. Other conferences that have occurred recently that have featured

Technology and Research themes include the recent Academic Senate Plenary in San Francisco and the CACCRAO (Registrars and Admissions Officers) annual conference in Palm Springs.

The RFA (Requests for Application) for the next 5-year award of the CVC (California Virtual Campus) will soon be read and awarded. CVC will build upon the excellent work of the first 6 years of its existence by addressing a need expressed by many Chief Information Systems Officers responsible for maintaining distance education infrastructure: the high cost of the software solution, and the need for 24/7 support for students and faculty. Taking advantage of a unique business opportunity, the CVC will create a centralized hosting facility and a 24/7 support center using the facility that formerly housed the old CSU Network Operating Center (NOC) in Long Beach. CSU staff will support the datacenter operations, and using the licensing power of the Foundation for California Community Colleges (FCCC), enterprise licensing for the system as a whole will drive down the per seat costs. After a small pilot is completed, prices will be released to the field for using the centralized facility to outsource your local applications. The more CCC's that use the facility, the lower the prices will be. We are hoping this model of distance education course-hosting economies of scale will serve the colleges, the students and faculty and provide relief for IT staff who sleep with pagers at their bedside. For more information, contact Catherine McKenzie at cmckenzi@cccoco.edu.

Sincerely,



Patrick Perry
Vice Chancellor

Technology, Research, and Information Systems
California Community Colleges Chancellor's Office



Conference Calendar

League for Innovation in the Community College: Learning College Summit

Oak Brook, Illinois June 11-14, 2005

League for Innovation in the Community College <http://www.league.org>

34th Annual ACUTA Conference and Exhibition: Visions for Tomorrow - Plans for Today

Kissimmee, Florida July 17-21, 2005

The Association for Communications Technology Professionals in Higher Education <http://www.acuta.org>

5th Annual MERLOT International Conference: Engaging the Global Community - Looking Over the Horizon

Nashville, Tennessee July 25-28, 2005

Multimedia Education Resource for Learning and Online Teaching <http://www.merlot.org>

CAPED 2005 Convention: Innovations Through Collaboration & Coordination

Rancho Mirage, California October 9-12, 2005

California Association for Postsecondary Education and Disability <http://caped.net>

EDUCAUSE 2005 Annual Conference: Transforming the Academy: Dreams and Reality

Orlando, Florida October 18-21, 2005

EDUCAUSE <http://www.educause.edu>

The League for Innovation's 2005 Conference on Information Technology

Dallas, Texas October 23-26, 2005

League for Innovation in the Community College <http://www.league.org>

CCC Electronic Transcript Project to Provide XML Transcripts for 3 Million Students

by Sandoval Chagoya, Editor, CCC TechEDge

A project sponsored by the California Community Colleges Chancellor's Office is poised to provide electronic transcript exchange for more than 3 million students served by the CCC system.

The CCC Electronic Transcript Project, also known as CCCTran, is an electronic transcript system that provides highly flexible, secure request and delivery services between California Community Colleges and their trading partners. The project chose Xap Corporation as a service provider and design of the electronic transcript will be complete in May. Eight pilot colleges will begin testing the system in November.

In August, 2004, a project committee was formed consisting of Admissions and Records and Information Technology representatives from eight pilot colleges, plus the project manager and project director. The eight pilot colleges are Crafton Hills, Cypress, El Camino, Evergreen, LA Pierce, Long Beach City, Sacramento City and Santa Rosa.

The project committee assisted in the finalization of the request for proposal, which was published in mid-November. Five vendors responded and after careful consideration the bid was awarded to Xap. Xap is the service provider for the highly successful California Community College Electronic Application System (CCCApply), as well as California Colleges.edu and the CSU Mentor systems.

Design of the electronic transcript began March 1st and will be completed before the end of May. The project committee worked with Xap to finalize development of the design documents. The pilot colleges will beta test the system beginning this coming November and involve as many of their CSU and UC trading partners as possible. A production release is scheduled for April, 2006.

As defined by the system requirements and design documents, CCCTran will be a

Web-based system that enables electronic request, response and transcript exchanges between the California Community Colleges and their trading partners. A centralized service hosted by Xap will provide request, fulfillment and delivery processing, singly or in batch, manually or automated, with a high degree of local control over each aspect of the transaction.

Colleges will have the option to automatically provide status updates to students via email at selected stages of the transcript

process. Transcripts can also be retained in a college's account for a locally-defined period making them accessible to any of its own counselors that have been given access to the system.

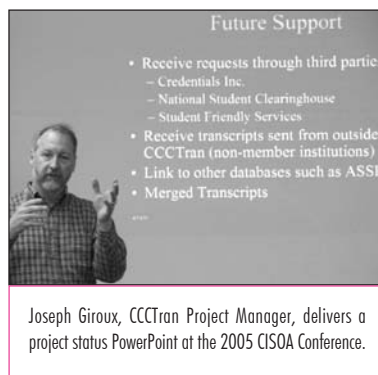
Community colleges will be able to upload transcripts using a structured text file. CCCTran will then present transcripts onscreen in HTML or

for printing in Adobe Acrobat format (PDF). The standard transcript will include data that can be used by CSU and UC to satisfy their general education completion requirements. There will be three standard transcript views: Condensed, Full and General Ed (which includes GE and IGETC information).

The system will also provide electronic transcript files in XML or EDI. While the older EDI data specification is used by many universities for transcripts, an XML standard has recently been approved. XML is a data definition language that works in conjunction with HTML.

The CCC Chancellor's Office Technology, Research and Information Systems Division funds the project's development and installation and one-year maintenance for the eight pilot colleges. In addition, the Chancellor's Office has submitted a budget change proposal for 2005-06 to assist with deployment throughout the California Community Colleges. <>

For more information contact Joseph Giroux, Project Manager, at jgiroux@telis.org or visit the project Web site: www.CCCNext.Net/CCCTran



Joseph Giroux, CCCTran Project Manager, delivers a project status PowerPoint at the 2005 CISOA Conference.

Faces of Technology

**2005 CISOA/RP Group Conference
Granlibakken Conference Center
Tahoe City, California April 17-20**

**“Bridge Over Troubled Waters: Bridging
Administrative and Academic Computing”**

The California Community Colleges Chief Information Systems Officers Association (CISOA) and the Research and Planning Group (RP Group) held a collaborative annual conference at Tahoe City in April. The conference was well-attended, with 208 registered attendees from the community colleges and 104 vendors representing 47 companies.

Joseph Moreau, CISOA President and Dean of Academic Information Services at MiraCosta College, and **Andreea Serban**, RP Group President and Associate Vice President of Information Resources at Santa Barbara City College, welcomed the crowd during the conference opening.



Keynote Address



“Accountability and Implications for Data Collection and Integrity” Panel



Lance Izumi



Mick Holsclaw



Willard Hom

Deb Newberry delivered the conference keynote address, “Nanotechnology: The Next Big Thing for Education.” She addressed the impact of nanotechnology on science and technology curriculum, as well as the impact of the technology on higher education in general. Deb leads the Nanoscience Program at Dakota County Technical College in Minnesota. She is the co-author of the book “The Next Big Thing is Really Small: How Nanotechnology will Impact the Future of Business.”

A joint CISOA/RP Group luncheon session explored “Accountability and Implications for Data Collection and Integrity.” **Lance Izumi**, California Postsecondary Education Commission Representative to the CCC Board of Governors, spoke at the session. He emphasized the importance of technology in accountability for the students of California. The session discussed the most recent developments related to accountability, including a presentation by **Patrick Perry**, System Office Vice Chancellor of Technology, Research & Information Systems, on the

recently approved AB1417 district accountability framework, the implications for Management Information Systems submissions, and potential new data collection needs in response to accreditation standards. The session’s panel included Joseph Moreau; Andreea Serban; **Bob Gabriner**, RP Group Information Officer and Dean of Research, Planning & Grants at City College of San Francisco; **Ken Meehan**, RP Group President-Elect and Director of Institutional Research at Fullerton College; **Willard Hom**, System Office Director of Research & Planning; **Mick Holsclaw**, Vice Chancellor of Information Technology for Los Rios Community College District; and Patrick Perry.



CISOA Conference Welcome Speech



Joseph Moreau



Andreea Serban



Deb Newberry



Deb Newberry



Patrick Perry



Patrick Perry; Joseph Moreau



"Accountability in the Community Colleges: Like Dancing on the Head of a Pin" Panel



Craig Hayward



Judy Beachler



Bob Gabriner



Ken Meehan



"True 24x7 Centrally Hosted Enterprise CMS"



Joseph Quintana



Catherine McKenzie



"Open Source: Issues and Initiatives"



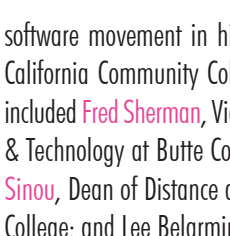
Vivian Sinou



Lee Belarmino



Fred Sherman



Another panel discussed "Open Source: Issues and Initiatives," addressing the current Open Source software movement in higher education, with a focus on California Community Colleges initiatives. Panel members included Fred Sherman, Vice President of Information Services & Technology at Butte College; Catherine Mckenzie; Vivian Sinou, Dean of Distance and Mediated Learning at Foothill College; and Lee Belarmino. <>

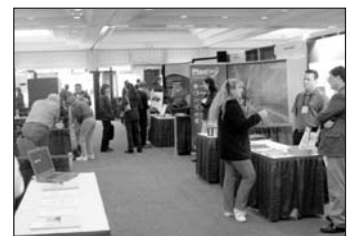


Exhibit Hall



Joseph Quintana and Anna Jauregui, Coordinator of Systemwide Purchasing, of the Foundation for California Community Colleges at the entrance to the CISOA Conference Exhibit Hall.

Special Thanks to the CISOA/RP 2005 Sponsors:

Agresso; Computerland of Silicon Valley; Dell, Inc.; Dynamic Campus Solutions; Foundation for California Community Colleges; Govplace; Meridian IT Solutions; Oracle; Strata Information Group; Sun Microsystems; Systems Technology Associates; The Cedar Group; and WiTel Communications.

And the Entire Vendor Community: Acma Computers, Inc.; Adobe Systems, Inc.; Advanced Total Imaging, Inc.; Blackboard; Business Objects; CI Solutions; Cisco Systems; Datatel; Digital Networks Group; Efficient Computing; EPOS Corporation; Hershey Systems, Inc.; Hewlett-Packard; Internet Software Sciences; Marketware; Microsoft Corporation; National Notification Network; Omnipro Systems, Inc.; PAETEC Communications, Inc.; PlanNet Consulting; Sehi Computer Products; StorageTek; SunGard SCT; Sybari Software; Sysix; TeamOne Networking; Transoft, Inc.; XIOTECH.



Thanks to all those who attended, presented and otherwise contributed. See you next year! April 9-12, 2006 Hyatt Regency Monterey

FCCC/CCCCO: *Continued from page 1 >>*

the virtual catalog, MERLOT support, and faculty and staff training.

According to the new RFA structure, the grantee will partner with other entities to fulfill all of the elements. For example, the FCCC and CSU will work with the grantee to provide hosting and help desk for technical, faculty and student support. @ONE, also funded by the Chancellor's Office TTIP, will provide faculty training.

During fiscal year 2004-05 the FCCC developed CCC systemwide contracts with Blackboard and WEBCT that included

significant discounts when compared to individual college contract costs. During that time, the FCCC also researched alternatives intended to further reduce costs by examining practices in other states and working with technology research organization Gartner, Inc.

FCCC's research also included a survey of requirements from California's community colleges, with 65 of 72 college districts responding. The California Virtual Campus Review Committee members also participated in the research.

The research and survey indicated a time of tremendous growth for online learning at the colleges, with some districts predicting five percent growth in the coming year, while others predicted growth of as much as 300 percent.

The predicted growth in online learning included both distance education and blended, or hybrid, classes that used technology and course management systems to enhance the traditional classroom setting. The research also indicated that the cost for colleges to deliver online learning was increasing at a time when budgets were decreasing.

Both the research and the survey indicated that providing hosting with 24/7 support had become challenging and costly for individual colleges. A striking majority - 99% of the colleges - reported that they had only 8/5 support.

Personnel overtime costs prohibited round-the-clock support. A full 100 percent of districts that participated in the survey stated a need for 24/7 technical support for faculty and students.

The overall cost for CMS hosting with full support was estimated at \$300,000 per school, annually. This prohibitive expense came at a time when CMS had become mission critical. Any

downtime caused students to drop online classes, reducing FTE funding to the colleges.

The colleges had specific requirements for implementing CMS. Notably, colleges required that the CMS could be integrated with a college's other systems, such as Student Information and Library systems. Colleges also wanted to move to

enterprise software that integrated with CMS. Many had reached the capacity of their current software programs, yet moving to full enterprise software on an individual college basis was too costly.

Based on its extensive research and survey of the field, the FCCC has partnered with the CCC Chancellor's Office to offer the

colleges a centrally-hosted CMS. The systemwide CMS will offer true 24/7 access with an expected 99.95% uptime of continual operation. The offering includes a help desk to provide 24/7 faculty and student support.

The systemwide CMS also includes enterprise-level CMS software for both Blackboard and WebCT, and reduced training costs through a partnership with the @ONE project, which provides educational technology resources and training for CCC faculty and staff.

Also, based on its research and survey of the field, the FCCC expanded the basic CMS offering to respond to the needs of the colleges. The systemwide CMS will be designed to integrate easily with each school's student information system. In addition, the systemwide CMS will include integration of Live Classroom and Voice Tool software from Horizon Wimba, in partnership with CCC Confer. Live Classroom and Voice Tool software enhance collaboration, language learning and interactive communication in the CMS learning environment.

The CVC Hosting Facility will be housed at the WestEd facility in Los Alamitos. Formerly a CSU networks operation center for 4CNet, the facility is ideal for hosting a large data center with around-the-clock operation and secured, controlled access.

As part of the former 4CNet backbone, the facility has large communication bandwidth and will allow coordinated network management with CENIC, the current CCC network provider. The facility has both the capacity and the flexibility to be scaled larger or smaller, according to need.



The CVC Hosting Facility staff will monitor the facility for adverse conditions, including excess heat, extreme temperature fluctuations and fire. The CVC Hosting Facility will have a disaster recovery plan and a backup power source. The CVC Hosting Facility will also follow security policies and practices developed according to CSU standards.

Development systems are expected to be in place in May, with live classes beginning in August. New, live online classes would then be added each semester.

The reformation of the CVC is expected to have many benefits for the CCC, such as eliminating the need for individual colleges to provide 24/7 support. Cost for this service is expected to be very attractive. Pricing will be available on request.

Partnering with the FCCC allows access to enterprise-level software as well as other cost effective services. All services provided will be less expensive through the systemwide offering than the cost to an individual college providing those services on its own. Overall pricing will reduce over time, and the new model will in time be self-funded, guaranteeing its future. It is also expected that this project will be strengthened through partnership with other Chancellor's Office TTIP projects. <>

The California Virtual Campus Request for Application is available at www.cccco.edu/divisions/tris/telecom.htm

Grants *Continued from page 1 >>*

Specialist for the Office of Sponsored Programs at California State University, Chico for 14 years. His previous jobs include Director of Grants and Research for John F. Kennedy University and Director of Development for The National Hispanic University.

Brilts is also an active community volunteer, having served on the Board of Directors of the Chico Art Center and the Lassen National Park Foundation. He was also chair of the Chico Arts Commission, appointed by the Chico City Council, from 2002-2005. He has an MA in Community Design and a BS in Industrial Design from the University of the Arts in Philadelphia.

As part of the CCC Technology Center team, Brilts supports the Chancellor's Office Telecommunications & Technology Unit. He has taken an active role with the recently formed California Educational Technology Collaborative, a collaborative comprised of CCC

AB1417 Performance Framework Development: Lessons Learned from a 75-Day Process

Guest Opinion by Judy Beachler, Director of the Office of Institutional Research, Los Rios Community College District

The Research and Planning Group for California Community Colleges, Center for Student Success (RP/CSS) served as the primary contractor to develop the set of performance frameworks and indicators for discussion and review by statewide constituencies to meet district level accountability requirements of AB1417 in a quick 75-day period.

Working closely with Vice Chancellor Patrick Perry and Research/Planning Director Willard Horn, the RP/CSS group of six completed an extensive national literature review to develop indicators and indicator categories and assembled an External Panel of Experts, with a great deal of accountability experience at the national level, to review various drafts along the way.

In addition, the RP/CSS Panel responded to feedback provided by a Chancellor-appointed Oversight Committee of five members from the Community Colleges Chief Executive Officers Board, Community College League of California and the Statewide Academic Senate. Feedback also came from community college managers, faculty members and classified staff across the state, who attended one of seven field presentations or provided e-mail feedback.

The RP/CSS Panel also gained feedback from Department of Finance and Legislative Analyst staff members, who were consulted throughout the process in a conference call and meeting reports from Vice Chancellor Perry.

The end-product approved by the Board of Governors (BOG) and sent to the Legislature and Governor included a set of six core district indicators, and seven system indicators measuring Degree/Certificate/Transfer, Vocational/Occupational/Workforce Development, Pre-Collegiate Improvement/Basic Skills/ESL and Participation.

This project was quite an undertaking in an incredibly short time frame. As the RP/CSS Panel continued its work, concern was aired regarding how a process could gain some sense of endorsement from so many diverse stakeholders with varying issues of concern in so short a time. In the end, final documents were met with broad support from the various review committees, Consultation and the Board of Governors within required timelines.

One might argue that the process itself may have lessons for other policy initiatives for the System. The following are after-the-fact observations that might be considered for application to other systemwide policy projects:

1. The short time frame may very well have been an advantage, not a disadvantage. At no time was there lost momentum in the process. In addition, stakeholders worked staunchly toward consensus, with an active clock ticking.

2. Contracting with RP/CSS, a group with the technical expertise for this particular project, allowed for quick movement throughout the process.

3. In building the RP/CSS team, consideration was given to recruitment from large urban, suburban and small rural colleges' expertise, to ensure that fuller consideration could quickly be given to the variation that exists in the system.

4. Creating a national, external panel of experts was a stroke of genius. With no stake in the results of the process or its end-products, they added clear, objective, unbiased feedback that could be cited to stakeholders as objections arose.

5. Creating an oversight committee was a second stroke of genius. This group provided big-picture feedback regarding the viability of measures in terms of their impact and implications on a very large and complex system of colleges. By working with RP/CSS throughout the process, consensus building was ongoing, ensuring fewer complications for consideration by Consultation and the BOG.

6. The technology allowed for speed throughout the process. Late day conference calls through CCC Confer among RP/CSS team members, e-mail information dissemination using state Alias Lists and ListSers allowed for good communication, broad information dissemination and feedback throughout the process. <>



Judy Beachler delivers a presentation at the 2005 CISOA Conference.

Judy Beachler is a member of the RP Group's Center for Student Success (RP/CSS) Panel charged with developing an AB1417 performance framework and indicators for discussion and review. Other members of the RP/CSS Review Panel include: Robert Gabriner of City College of San Francisco, Craig Hayward of Mendocino-Lake Community College District, Kenneth Meehan of Fullerton College, Brad Phillips of the California Partnership for Achieving Student Success (Cal-PASS), and Andreea Serban of Santa Barbara City College.

systemwide technology projects and their partners, including the Foundation for California Community Colleges.

The California Educational Technology Collaborative works with college faculty and staff to identify and pursue grant funding that expands and enhances the use of technology in education. Brilts serves as chair of the Collaborative Revenue Generation Subcommittee, a committee dedicated to increasing technology funding that benefits California's students.

The Revenue Generation Subcommittee includes experts in grants research and development, marketing and grants accountability. It focuses on developing external resources through partnerships with the private sector, and by researching and pursuing collaborative grant opportunities.

"We assist the existing systemwide technology projects to build and expand through revenue sources other than the Chancellor's Office funding," Brilts said. "We are also looking at developing new or expanding existing statewide and regional technology consortiums that will meet the needs of the grantor and our students."

The subcommittee has already enjoyed success. A Collaborative member project was awarded \$103,882 through a Public Telecommunications Facilities Program Grant from the Department of Commerce. A planning grant, this funding will allow the Collaborative to



The CETC Grant Resources Web site.

explore the feasibility of expanding existing services through a video-on-demand system.

In addition, the Foundation for California Community Colleges offers fiscal services to support technology grants. When applicable, the

Foundation may be able to assume accounting responsibilities, releasing a local college or district from this burden.

To support its efforts, the Revenue Generation Subcommittee has developed a robust Web site that highlights technology grant funding opportunities and how to pursue them. Part of the California Educational Technology Collaborative Web site, the Grants Resources site is available at: ccetc.org/grantsresources.htm.

"There are many funding opportunities out there, ranging from ways to enhance transfer education programs to improving cyber security," Brilts said. "We also want to look to applied technology, especially as a tool for students preparing to go to work. Programs that employ students in research or other duties provide vital experience when it comes time to apply for a job or further their education." <>

If you have identified a systemwide or regional technology grant that you would like to pursue, or if you have a technology-related grant idea, please contact Juri Brilts at briltsju@butte.edu.

@ONE Summer Training Distance Education Workshops

The @ONE Project at Evergreen Valley College is honored to continue offering CVC trainings to California Community College faculty and staff. Starting this Summer, @ONE will offer CVC online courses in addition to other technology training materials for faculty, staff and IT Professionals. **Registration opened May 6th.**

More information about this summer's Distance Education workshops is available at <http://one.evc.edu/de/>.

Facilitated Online Trainings

Introduction to Online Teaching and Learning

Facilitator: Joan Van Duzer

Dates: Monday, July 11-Friday, Aug. 8 (4 weeks)

Introduction to Teaching with WebCT 4.0

Facilitator: Lois Ritter

Dates: Monday, July 25-Friday, Aug. 1 (3 weeks)

Introduction to Teaching with Blackboard 6.0

Facilitator: Debby Kilburn

Dates: Monday, July 25-Friday, Aug. 1 (3 weeks)

Using Multimedia Tools for Online Courses

Facilitator: Anne Guptill

Dates: Monday, July 11-Friday, Aug. 19 (6 weeks)

Video Broadcasts

Introduction to Digital Photography

Facilitator: Joe McCleskey

Dates: Part 1-Digital Camera Technology and Composing Pictures-Friday, July 8, noon-1:00pm
Part 2-Editing Pictures and Inserting Images into Documents-Friday, July 15, noon-1:00pm

Wireless Technology Deployment on Campus

Facilitator: Jerry Boerner

Date: Friday, July 22, noon-1:00pm

Wireless Technology Uses in the Classroom

Facilitator: Jerry Boerner

Date: Friday, July 29, noon-1:00pm

Desktop Seminars

Fixing Website Accessibility Using AccVerify and AccRepair

Facilitator: Sean Keegan

Date: Wednesday, July 13, noon-1:00pm

Getting the most out of Windows Server 2003 SP1

Facilitator: Kathleen Murray

Date: Wednesday, July 20, noon-1:00pm

Creating PDF Documents with Adobe Acrobat

Facilitator: Sean Keegan

Date: Thursday, July 28, noon-1:00pm

Designing Microsoft Group Policies in an Academic Environment

Facilitator: Kathleen Murray

Date: Wednesday, August 3, noon-1:00pm
