

## Abstracts Approved for Presentation at UCCSC 2008, July 20-22, UC Santa Barbara

**MONDAY, JULY 21**  
**1:30-2:30 p.m.**

*Bruce James, Office of the President*

*Monday, 1:30-2:30, Corwin A*

### **Replacement SSN**

One of the most sensitive pieces of employee information is his or her social security number. Nonetheless, UC systems pass these numbers, along with employees' names, in hundreds of interface files throughout the UC system. This exposes a huge potential loss of Personally Identifiable Information (PII) which would certainly trigger a costly and embarrassing notification process under SB1386, should any of these files be compromised. UCOP is in the process of creating a central repository for SSNs and replacement SSNs. The Replacement SSNs (RSNs) can be used broadly in and between UC systems without fear of being compromised. Web-service applications will be created to exchange SSNs for RSNs and vice versa to authorized applications. Bruce James, Director of Employee Systems, and Peter Parker, senior architect, both at UCOP will describe how this system will work.

*Gregory Bell, Lawrence Berkeley National Lab*

*Monday, 1:30-2:30, Corwin B*

### **Growing a Greener Data Center**

The IT Division at LBNL is working to improve the energy efficiency of its main data center, a facility that was designed several decades ago. This problem is especially urgent due to the rapid growth of our cluster support service, and the rising power density of the cluster racks we are deploying. The talk will summarize methods we have used (including computational fluid dynamic modeling) to understand the characteristics and performance of our data center, and it will describe measures we are taking to improve its efficiency and extend its useful life. Presented jointly with "The Green Data Center," below.

*Paul Weiss, Office of the President*

*Monday, 1:30-2:30, Corwin B*

### **The Green Data Center**

Did you know that the energy cost of running and cooling a data center typical of the size UC operates can run into the millions of dollars per year? There is currently a groundswell of awareness emerging of ways that data centers can use less energy and programs initiated by the power utility companies to assist data centers in reducing electrical consumption. Paul Weiss, Executive Director of IR&C at UCOP, has been leading the UC data center managers toward 'Green-aware' configurations with huge cost savings and reductions in environmental impact. Presented jointly with "Growing a Greener Data Center," above.

*Max Garrick, Irvine*

*Monday, 1:30-2:30, SB Mission*

### **Ruby on Rails: Rapid Development, Reduced Budgets, and Responsive Change**

Rapidly build large, highly-available web applications using the Ruby on Rails (RoR) web application framework. We will demonstrate how we used this new technology to deliver an on-line collaborative faculty recruitment application. See why people are talking about this fun and productive framework--and whether it can work effectively at your campus. Ruby on Rails is part of a collection of next-generation tools that focus on developing more with less resources. If your institution or group is under pressure to produce, enhance, or maintain applications with a seemingly unrealistic amount of time or limited number of staff, you have a few options: tell them NO, tell them not now, or tell them YES and do more with less with Ruby on Rails. This requires change, and we'll show you how we did it.

*Lap Leung, Santa Barbara*  
*Monday, 1:30-2:30, Flying A*

**Unified Communication Service on EVO**

Demonstrate a Unified Communication Service on "EVO - The Collaboration Network" with Linux, Mac OS X, Window, H.323, SIP, and telephone systems. Attendees may participate the demo as a training/test workshop. EVO client Koala and other audio/video conference , VoIP, and remote desktop applications will be used in this demo.

*Carmen Roode, Irvine*  
*Monday, 1:30-2:30, SB Harbor*

**Attaining Cross-Campus Collaboration**

Presentation on cross-campus collaboration to be given by Carmen Roode (UC Irvine), Radhika Prabhu (UC Davis) and Doug Drury (UC Santa Barbara).

*Stephen Franklin, Irvine*  
*Monday, 1:30-2:30, State*

**UC TAS: A Long-term Collaboration of UC Campus IT Professionals**

Since 1993, the UC Technology Acquisition Support (TAS) group has negotiated, coordinated and implemented system-wide software license agreements for the software products that are strategic to the fulfillment of UC's mission. These agreements not only make this software available to campus units at significantly discounted prices, they also provide for significantly improved license terms and conditions. Formed under the aegis of the UC IT Leadership Council, TAS membership is comprised of IT professionals from each UC campus whose responsibilities include the campus-wide management and coordination of software acquisition, distribution, maintenance, and utilization. Operational support and coordination for TAS is provided by UCOP. Previous UCCSC meetings have regularly featured presentations regarding specific TAS collaborative projects and activities, and a system-wide view of the benefits achieved. This year, a panel of TAS members from a representative range of campuses will discuss the larger role that they play on their individual campuses, and the benefits that TAS activities generate for each campus. The discussion will include: assessing campus interests and consensus about software choice, determining the value(and feasibility) of collective action, managing vendor relations, providing continuing technical support, comparing how software acquisition relates to and differs from the acquisition of tangible commodity goods, and the changes that individual campuses are experiencing in these areas.(Note: The participants in this presentation will include the principal UC TAS representatives from Irvine, Los Angeles, San Diego, and Santa Cruz.)

*Garrett Hildebrand, Irvine*  
*Monday, 1:30-2:30, Lobero*

**Wireless Registration and Guest Access at UC Irvine**

A description of how access to the wireless network at UC Irvine has changed in the last year using new technology which allows express registration and guest access for the first time there.

**MONDAY, JULY 21**  
**2:30-3:30 p.m.**

*Allison Henry, Berkeley*  
*Monday, 2:30-3:30, Corwin A*

**Managing Restricted Data at UC Berkeley**

A presentation on managing restricted data systems at UC Berkeley, including an overview of the Restricted Data Management (RDM) application and how the information collected is used to protect university data.

*Tom Holub, Berkeley*

*Monday, 2:30-3:30, Corwin B*

### **Doing Ubiquity on a Recharge Basis**

The Berkeley IT strategic plan identifies "Ubiquity" as one of its guiding principles, yet the campus increasingly expects departments and faculty to cost-share or purchase services via recharge mechanisms. Is it possible to do ubiquity on a recharge basis?

*Mojgan Amini, San Diego*

*Monday 2:30-3:30, SB Mission*

### **UCSD Personalization Engine in Coeus**

The Coeus Consortium is made up of 50+ Universities working towards the enhancement of an existing Contracts and Grants Administration System, called Coeus. UCSD implemented a toolset to sit along-side the Coeus System to allow for local customizations. The Coeus Consortium eagerly accepted this tool into the base version of the system. We call this engine the Personalization Engine.

*Bruce James, Office of the President*

*Monday, 2:30-3:30, Flying A*

### **Effort Reporting**

As the University's budget tightens and tightens, we all look for ways to collaborate to find synergistic ways to solve common challenges. One such example is the University's Effort Reporting System. Developed at UCOP, this system is in use at two locations and hosted centrally for three and will soon be five. Bruce James, director of Employee Systems at UCOP will discuss the business model for centrally developed systems and the deployment options for operating a centrally maintained system.

*Beth Harnick-Shapiro, Irvine*

*Monday, 2:30-3:30, SB Harbor*

### **A Discussion of Collaboration and the Selection of a Content Management System**

In a panel discussion, UC Irvine and UC Davis will discuss how each campus selected a content management system and how the two campuses discovered the power of collaboration.

*Bill Labate, Los Angeles*

*Monday, 2:30-3:30, State*

### **Panel Discussion on the UC Research Cyberinfrastructure Pilot**

One of the findings from the recent IT Guidance Committee (ITGC) report on Creating a UC Cyberinfrastructure recommended the creation and delivery of reliable robust high-performance computing services and tools for research faculty. In this panel, we will present an overview of the UC Research Cyberinfrastructure Pilot, describe the planned implementation, and explore (with input from attendees) best practices that may be applied to the development of operating principles/procedures that will ensure success of the pilot. Staff involved with providing computational services to their local research community are encouraged to attend.

*Jeff Angst, San Francisco*

*Monday 2:30-3:30, Lobero*

### **ARCAMIS - High Definition Video Conferencing Deployment**

Video conferencing has become a vital communication and collaboration tool for ARCAMIS and our customers. Our service offering has grown from the legacy ISDN based point-to-point conference room call to high definition 323 video calls involving multiple participants from multiple geographies. In the past 18 months we have deployed over 35 high definition video conferencing systems that are configured to use our high definition video conferencing mcu and voip gateway. What used to be a once-a-month occurrence is now used daily for ad-hoc meetings between various project teams and several times a week for scheduled VIP

conferences with shared presentations. In this presentation, we will give an overview of our implementation and describe the technical and logistical challenges involved in getting an end-user or site connected to our system so that they can use it in much the same way they might pick up the telephone.

**MONDAY, JULY 21**  
**3:45-4:45 p.m.**

*Jackie Reynolds, Los Angeles*

*Monday, 3:45-4:45, Corwin A*

**IT Security Compliance**

We know it's the LAW, but how do we get people to buy in? This will be a brief presentation on UCLA's IT Compliance Coordinators Group and what we're doing to get the whole campus involved in improving IT security compliance. We hope to follow that with an interactive session to share ideas for getting buy-in from faculty and students, as well as staff (the easy ones).

*Paul Weiss, Office of the President*

*Monday, 3:45-4:45, Corwin B*

**Disaster Recovery**

UC Campuses are at various stages of readiness for a total data center disaster. Some have contracted with a third-party vendor with offsite facilities and some of these do regular disaster recovery testing drills. Others have agreements with other UC data centers to support each other. UCOP and UCSD have entered such an agreement and UCOP has created an environment at UCSD that replicates data on a nearly real-basis. UCOP can now bring up its mainframe, unix and windows environments at UCSD in a matter of hours with no need to ship tapes offsite or to the disaster site. Paul Weiss, Executive Director of IR&C at UCOP will explain how this was accomplished.

*Sean Dillingham, Riverside*

*Monday, 3:45-4:45, SB Mission*

**User-Centered Design: Techniques for Building Breakthrough Products**

In this presentation, we will discuss the user-centered design processes adopted by the division of Student Affairs at UC Riverside, walking through techniques used on a recent project where we designed a comprehensive campus tour reservation system for the campus. We will show how these techniques-- from ethnographic research and participatory design to rapid prototyping and user testing-- help to create breakthrough products in the face of unclear requirements.

*Declan Fleming, San Diego*

*Monday, 3:45-4:45, Flying A*

**Panel Discussion on Different Approaches to Remote Access to Electronic Library Resources**

Remote access to electronic library resources is an issue that affects patrons at all libraries in the UC system. Representatives from individual campuses will discuss their approaches.

*Prakashan Korambath, Los Angeles*

*Monday, 3:45-4:45, State*

**The University of California Grid (UC Grid)**

In grid computing, multiple independent and geographically dispersed compute resources are networked together and used in a cooperative manner. This leads to the effective sharing and pooling of resources by a community of users. A grid portal, such as the UCLA Grid Portal (UGP), used by the UC Grid, allows the diverse computational resources making up a grid to work together via a single web interface. A grid portal makes a

grid easy to use.

In order to provide a framework for the development of a secure, scalable grid infrastructure at the University of California and to provide for improved collaboration among the UCs, the University of California, Information Technology Guidance Committee, a system-wide governing body, has recommended that the UC implement a UC Grid based on UGP. To date a working group has been formed, comprised of representatives from the 10-campus system and the Lawrence Berkeley National Laboratory in order to put efforts in sharing resources among campuses. UCLA is currently providing leadership in the development, implementation, and maintenance of this effort within the UC.

The current status of the UC Grid may be viewed at: <http://www.ucrgid.org>. In this presentation we will provide: a technical overview of the UC Grid architecture, a live demonstration of its interface and rich feature set, and first-hand summaries of the efforts underway at each participating campus. A panel of implementers from the different campuses will discuss their goals and experiences in implementing the UC Grid locally.

List of Panel Members: Prakashan Korambath, UCLA Academic Technology Services; Frank Wessel, Manager, Research Computing Support, UCI Network & Academic Computing Services; Paul Weakliem, Information Technology Director, UCSB California NanoSystems Institute; Mike Kennedy, Lead Technologist for Research, UCR Computing & Communications; Gregory R. Bell, Information Technology Division Lawrence Berkeley National Lab.

*Beth Harnick-Shapiro, Irvine*  
*Monday, 3:45-4:15, SB Harbor*

**An Invitation to Collaborate: Enterprise Authorization & Access Control**

Traditional authorization solutions are not scaling across distributed environments, so we are exploring how UC Irvine campus units can collaborate to find a campus-wide authorization and access control solution. In this discussion, we hope to share what we have discovered, and how this might begin a larger collaboration across the UC.

*Kenneth Garges, Santa Cruz*  
*Monday, 4:15-4:45, SB Harbor*

**The Big Mac Whopper: Clustered XServes**

Centralized file storage, desktop backup, and remote file access across platforms using clustered Apple XServes and XSan.

*Rose Rocchio, Los Angeles*  
*Monday, 3:45-4:45, Lobero*

**UCs on iTunes U**

A panel discussion that contrasts and compares how the 5 or so UC campuses implementing an iTunes U service are dealing with the many complexities of doing so.

**TUESDAY, JULY 22**  
**9:30-10:30 a.m.**

*Stephen Lau, San Francisco*  
*Tuesday, 9:30-10:30, Corwin A*

**Now UC IT... Must Notify 60 Million That We Lost Their Personal Information**

Recent California legislation places a hefty price tag on information security breaches involving personal information. But what *\*is\** personal information? If you think it's just Social Security numbers, you're in for a rude shock. Our presentation will discuss legislation such as SB1386, AB1298, and HIPAA, how it relates to IT and, most importantly, how information security must be considered in the entire lifecycle of any IT system, from planning, testing, maturity and legacy. If you think your old reel tapes are safe from 'e-discovery', think again. Our presentation will review current legislation, define personal information, review what Campuses must do when a breach occurs, how to find personal information on systems and how to work with users to identify and protect personal information. We will draw upon real world examples of recent breaches that have occurred within the UC system to highlight examples.

*Linda Rosewood, Santa Cruz*  
*Tuesday, 9:30-10:00, Corwin B*

#### **Just Call HELP**

Using the ITIL framework to build an all-campus IT service desk. Real world implementation, lessons learned, plan for development. Most UC campuses offer many different support organizations, each of them related to IT organizations and technologies or services. End-users need to remember which help desk to contact depending on their own status, or the kind of service they need help with. A goal of UCSC's IT reorganization is to offer a single point of contact for IT support, regardless of the service being supported. Actually creating a single point of contact for IT services at a university raises challenges that are not found in business world models and theories. This presentation demonstrates how UC Santa Cruz built our IT service desk, and how we plan to improve it as our organization matures.

*Noah Baker, Santa Barbara*  
*Tuesday, 10-10:30, Corwin B*

#### **Web-Based Systems and Network Management for the Helpdesk**

A presentation by Noah Baker & David Bosso of UCSB's LSIT to include a description of LSIT's service environment highlighting integration with a custom web-based management application. A demonstration of the application will be given including an overview of the functionality and several specific use cases. Future plans will also be discussed.

*Katie Scott, Santa Cruz*  
*Tuesday, 9:30-10:00, SB Mission*

#### **The Service Control Engine: Controlling ResNet Bandwidth**

UCSC has evaluated the Cisco Service Control Engine for use in the residential network. We will describe our experiences installing and deploying the product and talk about the successes and pitfalls we've encountered along the way.

*Jackie Spafford, Santa Barbara*  
*Tuesday, 10-10:30, SB Mission*

#### **University of California Shared Images: A New system-Wide Image Service at UC**

This presentation will provide background on the system-wide implementation of ARTstor, including successes and obstacles encountered, and discuss the benefits of a unique system-wide partnership (involving CDL, ARTstor, UC libraries, VR collections, IT and ID departments).

*Andrew Philipoff, San Francisco*  
*Tuesday, 9:30-10:00, Flying A*

#### **How I Learned to Stop Worrying about OSS and Love Active Directory**

Integrating open source software operating systems and applications into an Active Directory infrastructure to consolidate authentication/authorization and to leverage the benefits of a centralized directory system.

*Jackie Reynolds, Los Angeles*

*Tuesday, 10-10:30, Flying A*

**IAM UCLA... Who are You?**

IAM UCLA is UCLA's Identity & Access Management Project. We will talk about what we are doing and why we chose the technologies we chose, and will discuss the related political issues that outshine the technical ones.

*William Doering, Santa Barbara*

*Tuesday, 9:30-10:00, SB Harbor*

**How NOT to Construct a New Website... A Cautionary Tale**

This presentation will recount the UCSB Graduate School of Education's often difficult redesign and redeployment of its over 500-page website. Topics covered will include how: to decide whether to hire an outside vendor; to develop criteria for such a hiring; to write the best RFP and contract; to evaluate the vendor's progress. The presentation will also focus on pleasing diverse users, developing web 2.0 components, integrating database-fed content, and creating faculty buy-in. Finally the presentation will discuss creating a site management and update plan using Adobe Contribute and a team of web keepers.

*Ed Rogers, Berkeley*

*Tuesday, 10-10:30, SB Harbor*

**The SCARAB Student Services System**

The Disabled Students' Program (DSP) in partnership with IST Application Services has developed a new and advanced student services system. SCARAB efficiently handles student applications, service requests, accommodation letters, case recording, documentation, vendor payments and other administrative and operational processes. SCARAB streamlines DSP's operations, improves the timeliness of service delivery, and maintains more effective monitoring and control in areas of compliance and fiscal accountability. We will describe the system and discuss our development experiences.

*Ray Vadnais, Irvine*

*Tuesday, 9:30-10:00, State*

**Web 2.0, Social Networks & Higher Education**

The social network phenomenon has exploded over the past half decade - most students have Facebook and MySpace profiles, chat with their friends via IM on a wide variety of networks, schedule events through services such as Evite, Google or Facebook, share photos through Flickr and Picasa Web Albums, and so on. I will give a high-level spin through various social networks and Web 2.0 services, going through common features, usages, and how they impact student expectations of the services that higher education institutions provide. This presentation is from the perspective of a fairly recent graduate of UCI, as well as an avid user of social networks and Web 2.0 services.

*Ray Vadnais, Irvine*

*Tuesday, 10-10:30, State*

**Building Accessible Web Applications**

Designing an accessible website or web application is more than just putting in alt tags and table captions. Learn about how UC Irvine's Administrative Computing Services and Network & Academic Computing Services are approaching universal & accessible design in our web applications, what we've learned, and what tools, resources and guidelines are available to help guide and streamline the process. Presented by Ray Vadnais and Natalie Godfrey.

*Andrew Laurence, Irvine*  
*Tuesday, 10-10:30, Lobero*

### **Instant Messaging for the Campus**

Instant messaging is an extremely popular communications medium, used by students, parents, staff and faculty alike. Two years ago, UC Irvine launched a pilot of campus-provided instant messaging services. In this presentation we discuss our experiences to date, lessons learned and questions unknown as we launch our formal deployment.

**TUESDAY, JULY 22**  
**11:00 a.m. – 12:00 noon**

*Gaston De Ferrari and Caren Weintraub, Davis*  
*Tuesday, 11-12:00, Corwin A*

### **Gmail Pilot for Students... What UC Davis Has Learned**

Information on the UC Davis Gmail pilot implementation approach and findings.

*Adele Guerzon, Santa Cruz*  
*Tuesday, 11-12:00, Corwin B*

### **Virtual Server Hosting - Development of a Service**

This presentation will focus on key service areas for a new technology (Virtual Server Hosting). This includes costs and recharge models, support models, successes, areas for improvements and next steps towards a mature service.

*Joe Hesse, San Francisco*  
*Tuesday, 11-12:00, SB Mission*

### **Lifecycles of a UCSF Open Source Development Effort**

Starting in 2005, the UCSF Memory and Aging Center decided to develop a web-based version of an existing client-server data management system. We selected open-source java software components for the project with the idea that the resulting clinical research management system could be shared with the broader research community without prohibitive licensing costs. The use of open source technology and our commitment to developing a generalized solution had consequences that impacted each stage of the development lifecycle.

*Justin Force, Santa Barbara*  
*Tuesday, 11-12:00, Flying A*

### **Web-Based Documentation: How We Rebuilt the Help Desk**

We'll discuss how we increased the efficiency and quality of service of our Help Desk by moving our task list and trouble ticket system from a single email inbox to an email-integrated ticketing system, Request Tracker. We'll also discuss how we increased the accuracy and usability of our knowledgebase by transforming it from a loose collection of disparate databases, Word documents, and plain text files to an interlinking MediaWiki.

*Tom O'Brien, Berkeley*  
*Tuesday, 11-12:00, SB Harbor*

### **Overview of Kuali Student - a Next Generation Student System**

*[UCCSC 2008 note: This abstract is being revised.]* Interested in moving beyond ERPs or your homegrown SIS? Come find out about a new approach, the Kuali Student Services System, built by and for the higher ed community. This overview presentation will be accompanied by two sessions focusing on the progress of the Kuali Student Services System Functional and Technical teams.

*Chris Cheung, Irvine*  
*Tuesday, 11-12:00, State*

**Web Accessibility for the Reluctant Implementer**

1. Why to make your web pages accessible beyond "it's the right thing to do". hint: law suits suck.
2. Don't know where to get started? here's a checklist...

*Pengyue Lin, Riverside*  
*Tuesday, 11-12:00, Lobero*

**FRS 2.0: A New Service, A New Approach, and A New Possibility**

In a traditional IT organization setting, support services are the primary scope of work. All IT efforts are to support the university mission. The Facilities Reservation System (FRS 2.0) has been developed and went beyond its rooted college domain. FRS 2.0 is a fully integrated online solution for managing university facilities by streamlining the facility reservation processes. Administrators can manage their facilities effectively in detail. The requestor can request a room by simply selecting a room he or she wants, searching for an available time slot, and completing the online reservation form. While the ultimate decision on who gets the room is the administrator's responsibility, this system eliminates all the paperwork and cumbersome bookkeeping that goes with managing room reservations. Currently, FRS 2.0 has been deployed at UCR, UCI and UMASS Amherst. With innovative software architecture, it was approved by UCOP OTT as a technology innovation. C3Tech, Inc., founded by FRS 2.0 developers, has been licensed by UCR and been continuously developing FRS and making it available to customers using the Web 2.0 business model SaaS. Its sister product, Shared Resources Scheduling System (SRS 2.0), will be commercially available in June, 2008. This new service developed by a new approach has created a new possibility for IT professionals to maximize their talents not only to fulfill their responsibility at UC, but also as a possible business venture in parallel with a career at UC. The service has gone beyond its original small domain to benefit much larger populations to achieve an all-win result.

**TUESDAY, JULY 22**  
**1:30-2:30 p.m.**

*Andrew Laurence, Irvine*  
*Tuesday, 1:30-2:00, Corwin A*

**Enterprise Email -- Revolution through Evolution**

Network & Academic Computing Services provides the default email service for all faculty, staff and students at UC Irvine. Our new 'island' infrastructure allows for dramatically increased mail quotas, increased performance, and more efficient use of resources ... without substantial downtime or new hardware investment. This presentation will trace the history of NACS' Mailbox Services, following the tangled web of services, evolutions, optimizations that led to culs de sac, through to our ultimate solution.

*David Walker, Office of the President*  
*Tuesday, 1:30-2:30, Corwin B*

**Enabling UTrust Access for Your Application**

Since the creation of the UTrust federation in April of 2006, much has been said about the campuses' preparations to be 'certified' as identity providers. Relatively little has been said, however, about how service providers can make their applications to other UTrust participants, as well as members of the InCommon federation nation-wide. This session will provide a high-level technical overview of the Shibboleth technology that underlies both UTrust and InCommon, configuration of the Shibboleth service provider software, and other considerations for federating an application.

*Isaac Straley and Steve Franklin, Irvine*

*Tuesday, 1:30-2:30, SB Mission*

### **Using Encryption to Protect Personal Information**

TrueCrypt is a free, easily used, robust encryption tool for Windows, Linux, and Mac OS X systems. This presentation will show how to install and use it to secure information on a computer or on a portable memory device (SD card, USB Key, Jump Drive, Thumb Drive, portable disk). The emphasis will be on achieving simplicity and ease of use while maintaining maximum security.

*Bill Sweetman, San Diego*

*Tuesday, 1:30-2:30, Flying A*

### **UCSD Marketplace Enterprise**

Expanding e-procurement to the masses...The goal of this project is to truly create an enterprise class system that will provide a one-stop shopping site for all procurement and related payment activities for all faculty, staff and employees at UCSD. It needs to be easy and intuitive to use, leverage UC and UCSD strategic sourcing programs, contain effective control and accountability, and provide metrics analysis for measuring acceptance and success.

*Allen Matlick, Santa Barbara*

*Tuesday, 1:30-2:30, SB Harbor*

### **GUS Departmental Information Management System**

We will discuss development of the GUS departmental shadow system, challenges we have faced, lessons learned and reasons the users have accepted it.

*Patrick Burke, Los Angeles*

*Tuesday, 1:30-2:30, State*

### **Making Access a Reality: Methods for Implementing Electronic Accessibility**

Discussion of experiences in Web accessibility on the campuses.

*Nasser Salomon and Sohail Wasif, Riverside*

*Tuesday, 1:30-2:30, Lobero*

### **Using Adobe Suite and Maya to Create Research/Grant Proposal Graphics**

2D/3D graphics are crucial in communicating research outcomes within academia. It is important to understand how current tools can aide to the process of such creation and bring additional funding and publication success to the campus community. This technical training will be walk through a examples of research and scientific graphic designs and present the before and after products. The class will focus on the current use of Adobe Photoshop and Autodesk Maya software products that can allow simple designs created by the researcher to be expanded into full blown 3D graphics that are ready for publication on journals or the web.