



Society for College and University Planning

## CONFERENCE PROGRAM

2003 PACIFIC REGIONAL CONFERENCE

# Report Card on Technology: Assessing the Impact on Higher Education



MARCH 30–APRIL 1, 2003 • FAIRMONT SAN JOSE HOTEL  
SAN JOSE, CALIFORNIA USA

San Jose Convention & Visitors Bureau

# CONFERENCE PROGRAM

2003 PACIFIC REGIONAL CONFERENCE

## Report Card on Technology: Assessing the Impact on Higher Education



March 30–April 1, 2003 • Fairmont San Jose Hotel • San Jose, California USA

### SCUP's Pacific Region

#### United States

- Alaska
- California
- Hawaii
- Nevada
- Oregon
- Washington

#### Canada

- British Columbia
- Yukon Territory

#### American Samoa Guam

#### Australia

#### China

#### Indonesia

#### Japan

#### New Zealand

#### North Korea

#### South Korea

#### Northern Mariana Islands

#### Philippines

#### Singapore

#### Southeast Asia

#### Trust Territory of the Pacific Islands

#### Other Pacific Rim countries

On behalf of the 2003 SCUP Pacific Regional Conference Committee we'd like to welcome you to this year's conference *Report Card on Technology: Assessing the Impact on Higher Education*. The setting for the conference San Jose, California, in the heart of Silicon Valley—provides the perfect backdrop for discussions centered around technology in higher education. What makes this conference so unique is the opportunity to review the influence technology has had on higher education, and vice versa, since the last technology themed conference was held in San Jose seven years ago.

We invite you to take advantage of the many concurrent sessions—the core of the conference program—to hear some new perspectives and innovative approaches to technology in higher education. Or attend the pre-conference workshop and get a “hands on” lesson in implementing wireless networks. Following up on last years' successful panel session on energy, we've arranged for a panel discussion/audience participation session to discuss current issues related to technology. This session will be held on Monday, March 31 from 1:00 PM –2:30 PM. And finally we're pleased to once again offer the popular Current Projects session, an enjoyable way to learn about projects on campuses throughout the region. The current projects session is scheduled for Tuesday, April 1 from 10:30 AM–Noon.

We'd like to take this opportunity to personally thank all of those individuals who have made this conference possible: the Conference Committee, reviewers of proposals, session conveners, SCUP staff, and the Local Host Committee for all of their support. Each and every one of them worked extremely hard to put together an exciting and provocative program.

We'd also like to give a special thanks to our sponsors. It is through their generous support that we are able to offer many of the exciting events included in this conference. Please take the time to visit with and thank them for helping make this conference a success. Be sure to visit the exhibit space—especially during breakfast and refreshment breaks—and learn more about our sponsors.

We have put together what we think will be one of the more spirited conferences in recent memory. Thanks for joining us. Enjoy the conference!

Mary Doyle  
Washington State University  
Conference Co-Chair

Michael Sestric  
Lewis & Clark College  
Conference Co-Chair

# PROGRAM AGENDA

## SUNDAY, MARCH 30, 2003

**7:00 AM–6:00 PM REGISTRATION**

**8:00 AM–NOON OPTIONAL WORKSHOP**

### **Facilities Planning and Wireless Network Implementations: What You Need to Know**

**Garden**

*Mary Doyle and Dave Ostrom, Washington State University*  
Wireless implementations are expanding networking capabilities available in and around college and university facilities. Wireless is everywhere (cell phones, PDAs, laptops, and tablet PCs) and is changing the way we work and communicate. This workshop will provide an in depth look at planning requirements for wireless network implementations to accommodate ever-expanding options for communication. Gain an understanding of the wireless spectrum and current IEEE standards, components in wireless implementations, coverage limits, physical barriers, radio frequency conflicts, basic wireless electronics, site surveys, and policy and security issues. Develop an understanding of the basics needed to plan and implement wireless networks in capital building projects. Learn where wireless does and doesn't work and when wireless is a good substitute for wired connections. Attendees will receive a workbook detailing the workshop topics covered.  
Pre-registration required

### **LUNCH ON YOUR OWN**

**NOON–5:00 PM OPTIONAL THREE-CAMPUS TOUR**

*Sponsored by Forell/Elsesser Engineers, Inc., Skidmore Owings & Merrill, LLP, and tBP/Architecture*

Here's your opportunity to get acquainted with three outstanding campuses in the Silicon Valley. We will visit San Jose City College, Santa Clara University, and Stanford University, with knowledgeable guides from each campus. On the tour, you will receive a general overview of each campus plus a more detailed look at one or more recently constructed or renovated facilities. Please join us for what promises to be an informative and entertaining afternoon. Lunch will be provided.  
Pre-registration required

**6:00 PM–7:00 PM OPENING PLENARY SESSION**

**Crystal**

*Chris Ross, Cisco Systems, Inc.*

Ms. Ross is the Workplace Resource's Client Account Manager for the Customer Advocacy Organization at Cisco Systems, Inc. Her team is responsible for understanding the business needs of the client, translating the needs into real estate and facilities solutions and acting as the advocate for the client.

**7:00 PM–9:00 PM WELCOME RECEPTION AT THE SAN JOSE MUSEUM OF ARTS**

*Sponsored by The Steinberg Group*

Enjoy great food while greeting old friends and welcoming new SCUP members and visitors at this unique opening event at the San Jose Museum of Arts.

## PROGRAM AT A GLANCE

### **Sunday, March 30, 2003**

7:00 AM–6:00 PM	Registration
8:00 AM–NOON	Optional Workshop
NOON–5:00 PM	Optional Tour
6:00 PM–7:00 PM	Opening Plenary Session
7:00 PM–9:00 PM	Welcome Reception at the San Jose Museum of Arts

### **Monday, March 31, 2003**

7:30 AM–8:30 AM	Continental Breakfast
7:30 AM–NOON	Registration
8:30 AM–NOON	Concurrent Sessions
NOON–1:00 PM	Lunch
1:00 PM–2:30 PM	Technology Discussion
2:45 PM–5:00 PM	Concurrent Sessions
5:30 PM–6:30 PM	Walking Tour

### **Tuesday, April 1, 2003**

7:30 AM–8:00 AM	Continental Breakfast
8:00 AM–10:15 PM	Concurrent Sessions
10:30 AM–NOON	Current Projects
NOON–12:30 PM	Closing Remarks

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### MONDAY, MARCH 31, 2003

#### 7:30 AM–8:30 AM CONTINENTAL BREAKFAST

Sponsored by EHDD Architecture

#### 7:30 AM–NOON REGISTRATION

#### 8:30 AM–9:30 AM CONCURRENT SESSIONS

##### Taking Charge of Learning Technology— Advocating a New Design Approach

Garden

*Andrew J. Milne, Stanford University; Wendell E. Wickerham, Shepley Bulfinch Richardson & Abbott*

In the last decade, information technology has become inextricably linked to academic facility design. Institutions often install new technology tools without an adequate understanding of how these will affect educational experiences. Sadly, institutional leaders often abdicate decision-making authority to technology specialists who arrive without expertise in curricular planning. Can't we do better? This session will explore the conditions and issues in technology planning/design processes and offer both long term and short-term strategies for better integration of technology that supports learning.

Convener: William C. Dann, Thomas Hacker Architects Inc.

##### Planning for Technology Trends: Two-Year vs. Four-Year Campuses

Valley

*Michelle L. Ganey, Brown University; Greg Notley, Thoma Electric; Fred Sweeney, Phillips Metsch Sweeney Moore Architects*

The presentation outlines current trends in Information Technology that have an impact on college campus facilities. Once the trends have been identified and discussed, we will present how future campus planning and renovation should consider these trends. This discussion will be based on real campuses that have both good and bad examples of how to integrate trends into their facilities. Lastly, we will explore if there is a difference between a 2-year and 4-year college campus in terms of trends and facilities planning.

Convener: Howard Weiss, MBT Architecture

##### But Do You Still Have Books? Technology Advances at the University Library

Empire

*Tracey L. Mayfield, California State University-Long Beach, University Library*

If "Information is the currency of democracy," then university libraries are the banks. A university library is the heart of a

college campus, but is often overlooked when technology discussions arise. Technology is integral to libraries, not just the types of information provided, but the delivery as well. This presentation will highlight the technological changes that taken place over the last 5 years at California State University-Long Beach, University Library and how we have changed because of them.

Convener: Kathryn Clagett, STUDIOS Architecture

#### 9:30 AM–9:45 AM BREAK

Sponsored by Niles Bolton Associates

#### 9:45 AM–10:45 AM CONCURRENT SESSIONS

##### Eight Years on the Road, Are We There Yet?

Garden

*Kathy Fernandes and William Post, California State University-Chico*

Since 1994 California State University-Chico has had a comprehensive technology planning process as part of a campus wide strategic plan. The plan has focused on building an electronic learning community and results have been measured against a target learning environment. The planning process and results to date will be discussed as well as an "in the trenches view" of the effects on the learning process at CSU-Chico.

Convener: Craig A. Stradley, Mogavero Notestine Associates

##### Seniors Back to School To Solve Your Future Equations

Valley

*Daniel J. Cinelli and Aaron B. Schwarz, Perkins Eastman Architects; James Perlman, Perlmark Realty Corporation*

This session will highlight how creating a senior housing continuum on your campus is beneficial to the community as a whole. Alumni and their parents, faculty, staff, and neighbors help share an institution's life long learning focus. This demographic also creates a platform for retail, hospitality, conference, and mature student housing programs.

Convener: Katrina Shum Miller, Green Building Services

#### AIA CONTINUING EDUCATION CREDITS

SCUP is a registered provider of continuing education units from the American Institute of Architects. As an AIA member, you are eligible to earn continuing education units for attended preconference workshops, concurrent sessions, and campus tours. AIA forms for the conference will be available at the SCUP registration desk.

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**Collaboration is the Key  
to a Successful Technology Program**

**Empire**

*Sabrina Lawrence-Coffelt, Jenny Smith, and Edward J. Valeau, Hartnell College*

This session highlights how bringing the right team together is the key to successful planning for technology, updating infrastructure in aging buildings, and faculty support/training for integrating technology into the classrooms. Examples of how Hartnell has created this team include implementing and maintaining a faculty resource center, hiring key personnel, and financial planning for current and future needs. Hartnell College is moving into the future by planning for the expansion of distance education, focusing on funding the support of personnel, training, and technology.

Convener: Genevieve Bantle, The Design Partnership

**11:00 AM–NOON CONCURRENT SESSIONS**

**Technology Integration in a Major Community College  
Expansion/Renovation Program**

**Garden**

*David Hart, The Steinberg Group; Bruce P. Risley, PinnacleOne; Linda M. Spink, Los Angeles Harbor College*

This presentation will highlight classroom improvements in technology from the perspective of the project manager, the program architect, and the college president. The discussion will include processes used to identify and quantify technology needs within budgetary limits of the \$125 million renovation and new construction at Los Angeles Harbor College.

Convener: Leo Sumner, The Tiburon Group

**Developing Identity, Strategic Positioning  
at a Small Specialty Medical School**

**Valley**

*Sandi Cutler, Bastyr University; Robert S. Sena, Moore Iacofano Goltsman*

If Bastyr University, a young, private, naturopathic medical school, was to survive, it needed to define its identity and position itself to be the leader in its field. The campus embarked on a 1-year campus planning, design, and development process that also dealt with organizational structure, strategic positioning, and planned flexibility. This session details the resulting plan that reflects Bastyr's community and environmental values.

Convener: Victoria C. Cooper, LMN Architects

**Sharing e-Learning Services: Improving Education  
While Stretching Tuition Dollars**

**Empire**

*Thomas Gaylord, University of Akron; Evan Nisonson, WebCT*  
Archrivals on the football field and steely competitors for Ohio's best students, the University of Akron and Kent State University are joining forces to share a massive e-learning infrastructure. The goal is to expand education/research opportunities while saving \$1.5 million in technology costs over the next five years. The collaboration broadens students' exposure to programs they might otherwise miss while exposing faculty to research and best practices from an expanded group of peers. This session will explore the origin, rationale, politics, and expected benefits of forming a shared e-learning services collaborative.

Convener: Mark Kiszona, Ratcliff

**NOON–1:00 PM LUNCH**

**Club Regent**

*Sponsored by DMJMH+N*

**1:00 PM–2:30 PM TECHNOLOGY DISCUSSION**

**Club Regent**

This interactive session will provide an opportunity to discuss current issues related to technology and planning for new and renovated facilities in a constantly changing technology environment. The session will encourage attendees to share experiences and lessons learned with colleagues.

Moderator: Susan Millhouse, EHDD Architecture

**2:45 PM–3:45 PM CONCURRENT SESSIONS**

**Integrating Technology with Green Buildings (LEED)**

**Garden**

*Jerry Yudelson, Interface Engineering Inc*

Many college and university projects have been using LEED. This session will review LEED 2.0 for campuses and will examine several Pacific Region LEED 2.0 certified projects and will detail how current and future projects can most efficiently receive their targeted LEED certification levels. Issues dealing with technology integration, including new security issues, in green buildings will also be addressed. The session will also review the process that design teams have used to achieve LEED certification. From these "lessons learned," we hope future LEED projects will be able to proceed more smoothly.

Convener: Kirk Belles, University of California-San Diego

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### **Social Space on Campus: Backlash to the Virtual World?** Valley

*Keith J. Fuchigami and Craig A. Hamilton, Cannon Design*  
If we live in a digital age where chat rooms and on-line learning mean never having to go to campus—why are so many campuses planning and building places for social interaction and activity--specifically Unions and Recreation Centers? Is supporting an innate desire for human interaction needed, or is it a kind of reactive response to an increasingly virtual existence as we live "on-line" and in cyber space? Through surveys and case studies of campuses on the University of California System, the CSU system and their peer institutions in the west such as schools in the Pac 10, we will share a picture of the trends in planning.

Convener: Christopher Ratcliff, The Ratcliff Architects

### **Phenomenal Results: How to Succeed on Your Next Project**

Empire

*Judy A. Bennett, The Stubbins Associates, Inc.; Jack deMelo, Harvard Planning & Real Estate; Suzanne Teuteberg, Harvard Graduate School of Education*  
Harvard University's Graduate School of Education issued an institutional plan in November 1995. This plan was to insure that students would be effective users of new educational technologies and to define how they could "play a leadership role in bringing emerging technologies to the broader educational community." This interactive presentation will provide insight on the collaborative planning process, classroom renovations, creating a "learning technology center," and highlight changes to the teaching/learning process.

Convener: Trudis Heinecke, University of California System

### **3:45 PM-4:00 PM BREAK**

Sponsored by Swinerton Management

### **4:00 PM-5:00 PM CONCURRENT SESSIONS**

#### **Facility and Spatial Data Integration (FASDI)**

Garden

*Pamela K. Drake, Rob Johnson, and Patricia A. Mead, University of California-Berkeley*  
FASDI is a secure, campus-wide, geographic-based data integration project containing tabular data, CAD drawings, photographs, and GIS maps. It uses data- and web-based technologies to support campus decision-making, and is also used by academic, administrative, and operational staff to

meet both institutional reporting and operational needs. The workshop will provide project overview and details on crucial aspects of FASDI, with the goal of presenting enough information that attendees can visualize their own campus FASDI project.

Convener: Jane Hendricks, LMN Architects

### **Technology-Driven Planning: Reality or Fraud?**

Valley

*Mary Doyle, Washington State University;  
Richard W. Jensen, Consultant*

In 2000 SCUP published a book edited by Boettcher, Doyle, and Jensen entitled *Technology-Driven Planning: Principles to Practice*. The themes drew on the sense of urgency of that period related to technology. The slow-down of the national economy has been far exceeded by the slow-down of investment in technology since that time. Was the premise of that book wrong or has it stood the test of time? We will provide an update and add new topics to the discussion.

Convener: Amy Delson, Strategic Facilities Planning

### **Planning for Instruction: A Teacher Education Case Study**

Empire

*Gerald L. Boerner, Nancy Brashear, and  
Julie Jantzi, Azusa Pacific University*

Planning for facilities and technology are complex processes, the impact on the instructional mission must be considered in all phases of a project. This session explores the interaction of pedagogy, technology, and facilities design in a teacher education program. Guidelines are presented for selecting technologies (computers, networking, projection devices, etc.) and furniture (desks, chairs, infrastructure, etc.) to support a highly interactive classroom. Faculty and student reactions are shared.

Convener: Jeffrey Gee, Swinerton Management & Consulting

### **5:30 PM-6:30 PM WALKING TOUR**

Join us on a walking tour of San Jose State University, the oldest state institution for higher learning in California, founded in 1857. Only a short walk from the hotel, this is an opportunity to see the many interesting features of this compact, urban campus, including the several exciting projects currently underway that are having a dramatic impact on the university. Meet with tour guides in the hotel lobby at 5:30.

### **DINNER ON YOUR OWN**

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## TUESDAY, APRIL 1, 2003

### 7:30 AM–8:00 AM CONTINENTAL BREAKFAST

Sponsored by International Parking Design, Inc.

### 8:00 AM–9:00 AM CONCURRENT SESSIONS

#### Earning that "A": Running Wires and Making a Knowledge Place

Garden

*Ronald L. Danielson, Santa Clara University; Stephen Johnson, Hardy Holzman Pfeiffer Associates; Mark Valenti, Sextant Group*

For the past 10 years, campus libraries have evolved from book repositories to places offering digital access to the world of on-line databases and internet browsing—wired from top to bottom with librarians as knowledge navigators. Now the key direction is the "multi-tasking" and development of the library into an information services building, learning center, and the technical and academic center of the campus. This session will discuss three operational libraries that were planned in the mid-late 1990's, in which technology was a significant planning component. Discuss how these buildings reflect initial concepts for student interaction and the incorporation of technology. Also explore two new projects that are currently being planned and see how this next generation of campus libraries is building on that experience.

Convener: Paul Roberts, Paul Roberts + Partners

#### Tangible Results From Technology Investment

Empire

*Bruce Bagnoli, California State University-Hayward*  
After years of pouring resources into technology, tangible results are in hand. This case study will trace the implementation of e-commerce, imaging, and web communications in the admissions process at California State University-Hayward. It will provide details on how system integration has resulted in improvements in student services and highlight new things that planners must consider. The effect of new technologies and security concerns on student services will also be discussed.

Convener: Anne Schopf, Mahlum Architects

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### HOTEL INFORMATION

The Fairmont San Jose  
170 South Market Street  
San Jose, CA 95113 USA  
Telephone: 408.998.1900  
Fax: 408.287.1648

### 9:15 AM–10:15 AM CONCURRENT SESSIONS

#### Planning, Pedagogy, and People: It's About More Than Technology

Garden

*Michael Sestric and Dan Terrio, Lewis & Clark College*  
Over the past 10 years, investment in technology infrastructure has skyrocketed as a percent of project costs and institutional budgets. As access to technology becomes more universal, the impact on the educational environment must be constantly assessed. In addition to surveying the rising costs of technology, this presentation will examine some of the impediments affecting alignment, integration, and impact of technology on planning. Of special interest are the pedagogical environments technology serves and the people who use it.

Convener: Linda C. Dalton, California Polytechnic State University-San Luis Obispo

#### UC-Davis: Using Technology to Create World-Class Performing Arts Venue

Empire

*Stanley G. Boles, BOORA Architects, Inc.; Robert B. Segar, University of California-Davis*  
This session will describe the unique project UC Davis embarked upon seeking to dramatically enhance the role of the arts on campus, the role of the campus in the region, and strategically position the campus to attract the best students, faculty, and staff. To accommodate a wide range of cultural events, the Center for the Arts had to incorporate sophisticated applications of technology for theatrical, acoustical, structural, and mechanical systems, as well as advanced computer applications critical to the planning and design.

Convener: Tracy De Leuw, DPR Construction, Inc.

### 10:30 AM–NOON CURRENT PROJECTS

Club Regent

Presenters will be allowed five minutes to showcase recently designed or constructed projects in a college or university setting. This enjoyable, fast-paced session will give you an opportunity to find out what's happening on other campuses throughout the Pacific region.

Convener: Richard Macias, San Jose State University

### NOON–12:30 PM CLOSING REMARKS

# CONFERENCE PROGRAM

## 2003 PACIFIC REGIONAL CONFERENCE

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### SCUP'S MISSION

The mission of the Society for College and University Planning is to promote the practice of comprehensive planning in higher education by developing and disseminating planning knowledge.

### PACIFIC CONFERENCE COMMITTEE

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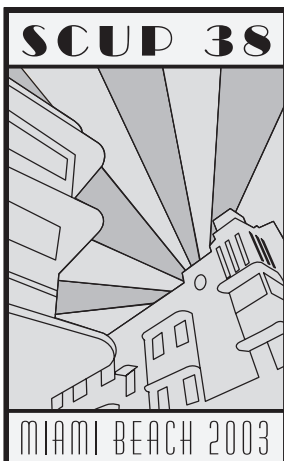
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## 38<sup>th</sup> Annual International Conference and Expo

# Passports to Planning

July 19–23, 2003

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Miami Beach, Florida USA

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