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To save paper the participant roster can be found online at www.sustainability.ucsb.edu
Dear Conference Participant,

Welcome to UCSB and the fifth annual UC/CSU/CCC sustainability conference, Turning the Tide: Implementing Sustainability Strategies. Each of us contribute to the process of helping our institutions achieve a positive balance between being good stewards of the Earth and meeting our research, teaching, and public service missions. Keeping abreast of the newest information relating to sustainability can be a challenge, so we encourage each of you to share tactics and strategies so that we can all achieve success through attaining new knowledge and hearing about practical applications. We have planned times within the conference for participants to exchange ideas and develop new friendships and we hope that you will take advantage of these to build informal networks that will allow the information flow to continue long beyond the conference. Ultimately, we hope the conference will empower and motivate you to advance sustainable practices within your units and institutions. Thank you for your commitment and participation.

Sincerely,

Marc Fisher
Associate Vice Chancellor, Campus Design and Facilities, UC Santa Barbara

Wilfred E. Brown
Executive Director, Housing & Residential Services, UCSB

Ernst Ulrich von Weizsäcker
Dean, Donald Bren School of Environmental Science & Management

Mo Lovegreen
Executive Officer, Department of Geography, UCSB
We would like to acknowledge our steering committee, which helped us immensely in designing an inspiring program and making this conference possible.

Diane Behling  
Educational Facility Planner, Capital Planning & Space Management, UC Santa Cruz

Karl Brown  
CIEE Deputy Director, California Institute for Energy and Environment

Dan Burgoyne  
Sustainability Manager, Department of General Services

Marc Fisher  
Associate Vice Chancellor, Campus Design and Facilities, UC Santa Barbara

Chuck Haines  
Resource Planning Coordinator, Housing & Residential Services, UC Santa Barbara

Warren Jacobs  
University Architect, CSU Chancellor’s Office, LEED™ AP

Aaron Klemm  
Energy Program Manager, CSU Chancellor’s Office

Mo Lovegreen  
Executive Officer, Department of Geography, UC Santa Barbara

Mark Hunter  
Director of Facility Services, Cal Poly San Luis Obispo

Katie Maynard  
Sustainability Coordinator, Education and Outreach, UC Santa Barbara

John Melack  
Associate Dean, Donald Bren School of Environmental Science & Management

Maric Munn  
Associate Director of Energy and Utilities, UC Office of the President

Mark Stemen  
Associate Professor of Geography and Coordinator of the Environmental Studies Program, CSU Chico

Matthew St.Clair  
Sustainability Specialist, UC Office of the President

Dave Weil  
Assistant Director, Facilities Management, Building, Commissioning and Sustainability, UC San Diego

Joceyln Orr  
CSU Student, Renew CSU, Green Campus Intern, CSU Humboldt

Betty Seto  
Masters Student, Campus Climate Neutral Group Project, Donald Bren School of Environmental Science & Management

Paige Macias  
Associate Vice Chancellor, Administrative and Business Services, UC Irvine

Adam Green  
Assistant Professor of Biology, Biological Sciences, Coordinator of the Environmental Studies Program, Santa Barbara City College
We would like to give special thanks to the 2004-05 UC/CSU/IOU Energy Efficiency Partnership Program under the auspices of the California Public Utilities Commission.

Platinum Sponsors:

DMJM Harris AECOM

Blue Sponsors:

SOUTHERN CALIFORNIA EDISON
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Southern California Edison

PERKINS + WILL
Perkins + Will

Green Sponsors:

California Resource Recovery Association

HMC Architects

Green Building Pages

Numi Tea

Excellent Packaging Supply

Renewable Choice Energy

Platinum Sponsors:

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UCEN

Green Sponsors:

Housing & Residential Services

Donald Bren School of Environmental Science & Management

UCSB Facilities Management

Additional Sponsorship:

Sasaki Associates Inc.

UCSReves
Associated Students Recycling Program
University Center

MAIN LEVEL

- Associated Students
- Main Cultural Center Theater
- MCC Lounge
- Rotunda Entrance
- Jackie Kinsky’s
- Conference Registration/Information Desk
- Rotunda Plaza
- Jamba Juice
- STA Travel
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On-campus attendees can check-in to Manzanita Village between the hours of 7am-1am

LEED™ Events

11:00a
LEED™ EB
Pre-Conference Training, Corwin Pavilion West
Hosted by: USGBC 8am-5pm

12:00p
Exhibitor Set-Up, Storke Plaza 12-5pm

12:30p
LEED™ Buffet Lunch 12:30-1:30pm Corwin Pavilion

1:30p
LEED™ Buffet Lunch 12:30-1:30pm Corwin Pavilion

3:00p
LEED™ Continuous
PM Break 1:30-5pm

4:00p

5:00p

5:30p

6:00p

7:00p

7:30p

8:00p

9:00p

Fairview Gardens Tour 1:30-4:00pm

Bren/Girvetz Tour 4:15-5:45pm

Registration in Corwin Pavilion 5-8pm

Schedule-Sunday, June 25th, 2006
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-4pm</td>
<td>Manzanita Village Tour</td>
</tr>
<tr>
<td>4:15-5:15pm</td>
<td>Student Resource Bldg Tour</td>
</tr>
<tr>
<td>4:30-5:30pm</td>
<td>UCSB Bike Tours w/SB Electric Bicycle Co. and AS Bikes</td>
</tr>
<tr>
<td>4-5pm</td>
<td>Orientation for students, Storke Plaza 7-7:30pm</td>
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<tr>
<td>5-6pm</td>
<td>Dinner Carrillo Dining Commons 6-7:15pm</td>
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<tr>
<td>6-7:15pm</td>
<td>Breakfast is included for on campus attendees only. Off-campus</td>
</tr>
<tr>
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<td>participants will need to pay $19. Only Credit Cards as payment.</td>
</tr>
<tr>
<td>7-9pm</td>
<td>Opening Mixer and Exhibition Storke Plaza 7-9pm</td>
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<tr>
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<td>Open to All Attendees</td>
</tr>
</tbody>
</table>

**Schedule - Sunday, June 25th, 2006**

- Overnight CSO Security in Storke Plaza for Exhibitors 9pm-8:30am
- All campus tours leave from the Manzanita bus loop
<table>
<thead>
<tr>
<th>Location</th>
<th>Green Building</th>
<th>Energy</th>
<th>Green Building &amp; Water</th>
<th>Transportation</th>
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<tbody>
<tr>
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<td>Corwin</td>
<td>Buchanan 1910</td>
<td>State Street Room</td>
<td>Flying A</td>
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</tbody>
</table>

**7:00a**

Breakfast, Carrillo Dining Commons
7:00am-8:15am

**8:30a**

Opening Plenary Featuring:
Marc Fisher, Associate Vice Chancellor, Campus Design & Facilities, UCSB
Donna Carpenter, Vice Chancellor for Administrative Services, UCSB
Ernst von Weizsäcker, Dean, Donald Bren School of Environmental Science & Management

Corwin Pavilion 8:30am-10:00am

**10:00a**

AM Break - Exhibitor Fair (Storke Plaza) 10:00 am-10:30am

**10:30a**

Best Practice Award Winners
In Energy Efficient New Building Design
10:30-Noon

Monitoring-Based Commissioning (MBCx)
Success Stories from New Efficiency Program
10:30-Noon

LEED™ for Coastal Buildings
10:30-Noon

Thinking Outside the Bus: Creative Alternative Transportation Solutions
10:30-Noon

**12:00p**

Lunch in Carrillo Dining Commons
12:15pm-1:30pm

Lunch Discussion
Q&A with USGBC on Certifying Campus Projects through LEED™

**12:30p**

Best Practice Award Winners
In Energy Efficient New Building Design
1:45-3:00pm

Renewable Energy: From Down in the Trenches to What’s on the Horizon
1:45-3:00pm

Water Efficient Irrigation, Synthetic Lawns and Monitoring Outdoor Water Use
1:45-3:00pm

Moving Ahead in Sustainable Transportation
1:45-3:00pm

**3:00p**

Residence Hall Green Building Case Studies
3:30-5:00pm

Today’s Performance Labs: The Energy Challenge
3:30-5:00pm

LEED™ EB Case Studies
3:30-5:00pm

Data Will Drive You Crazy
3:30-5:00pm

**5:00p**

Exhibitor Fair in Storke Plaza
5:00pm-6:00pm

Open to all Attendees

**6:00p**

Reception, Award Ceremony and Buffet Dinner in Las Encinas Courtyard, Manzanita Village
6:00pm-8:30pm

Open to all Attendees

Featuring:
Dorothy Le, Student, UCLA, Move UC
Alex Hofmann, Consultant, Applied Solar Energy, Recent Graduate, CSUMB
Best Practice Award Ceremony

**8:30p**

Star Gazing w/ Joe Jordan
meet at Las Encinas Courtyard, Manzanita Village

*Schedule- Monday, June 26th, 2006*
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
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</thead>
<tbody>
<tr>
<td>10:30-Noon</td>
<td>The Sustainability of Markets: An Overview of EPP</td>
</tr>
<tr>
<td>10:30-Noon</td>
<td>Effective Waste Management Practices in Dining Facilities</td>
</tr>
<tr>
<td>10:30-Noon</td>
<td>Next Steps: Toward Full Sustainability</td>
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<tr>
<td>1:45-3:00pm</td>
<td>Getting Down to Business Part I: Steps Toward Integrating, Sustainability in Campus Dining</td>
</tr>
<tr>
<td>1:45-3:00pm</td>
<td>Buying Green: Campus Success Stories</td>
</tr>
<tr>
<td>3:30-5:00pm</td>
<td>Lunch Discussion: Bridge the Academic-Administration Communication Divide</td>
</tr>
<tr>
<td></td>
<td>Lunch open to all attendees. (Use 1 of the meal tickets in your name badge)</td>
</tr>
<tr>
<td>10:30-Noon</td>
<td>A Path Forward: Criteria to Contracts</td>
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<tr>
<td>3:30-5:00pm</td>
<td>Chancellor’s Sustainability Committee</td>
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<td>No Session</td>
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<td>Movie Showing Buchanen 1930</td>
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<td>Buyer Be Fair- This film will address issues of fair trade, forestry, and coffee farming.</td>
</tr>
</tbody>
</table>

Breakfast is included for on-campus participants. Off-campus participants will need to pay a fee of $19.00, which is only payable by credit card. Students will get a free breakfast at the Co-op Housing.
<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Green Building</th>
<th>Energy</th>
<th>Green Building &amp; Water</th>
<th>Transportation</th>
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<tbody>
<tr>
<td>7:00a</td>
<td>Breakfast, Carrillo Dining Commons, 7:00-8:15am</td>
<td>Corwin</td>
<td>Buchanan 1910</td>
<td>State Street Room</td>
<td>Flying A</td>
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<tr>
<td>8:30a</td>
<td>Morning Plenary</td>
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<td>Corwin Pavilion</td>
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<td>Wendell Brase, Vice Chancellor of Administrative and Business Services, UCI</td>
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<td>Rick Fedrizzi, President &amp; CEO, USGBC</td>
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<td>9:30a</td>
<td>AM Break - Exhibitor Fair (Storke Plaza) 9:30-10:30am</td>
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<td>10:30a</td>
<td>Greening your Campus Building Portfolio 10:30-Noon</td>
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<td>Computers &amp; Servers Technology and Energy Cross-Cutting 10:30-Noon</td>
<td>Stormwater Management Systems and Rainwater Catchment Systems 10:30-Noon</td>
<td>Multi-Modal Money: Strategies for Funding Transportation Programs 10:30-Noon</td>
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<tr>
<td>12:00p</td>
<td>Lunch, Carrillo Dining Commons 12:15-1:30pm</td>
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<td>Lunch is open to ALL attendees (Use the remaining Ticket in your name badge)</td>
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<td>1:45p</td>
<td>Green Building Under Fixed Project Budgets 1:45-3:15pm</td>
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<td>Green Campus and Energy Star Programs: Opportunities for Individuals to Act 1:45-3:15pm</td>
<td>Campus Success Stories In Reducing Building Water Consumption 1:45-3:15pm</td>
<td>Bio-Diesel &amp; Beyond: The Forefront of Alt Fuels 1:45-3:15pm</td>
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<td>3:15p</td>
<td>Closing Plenary</td>
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<td></td>
<td>Jefferson Coombs, President, Alumni Association, University of California, Regent, University of California</td>
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<td>Perrin Pellegrin, Campus Sustainability Manager, UCSB</td>
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<td>James Timberlake, FAIA, Partner, Kiernan Timberlake Associates</td>
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<td>Poster Session in Corwin Pavilion and the Multi-Cultural Center Breezeway</td>
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Schedule- Tuesday, June 27th, 2006
Breakfast is included for on-campus participants. Off-campus participants will need to pay a fee of $19.00, which is only payable by credit card. Students will get a free breakfast at the Co-op Housing.

Schedule: Wednesday 28th, 2006

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>8:00a</td>
<td>LEED™EB Training</td>
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<td>8:30a</td>
<td>Corwin Pavilion West w/ Continental Breakfast 8:00am-Noon</td>
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<td>9:00a</td>
<td>Labs21/EPC Training</td>
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<td>9:30a</td>
<td>Corwin Pavilion East w/ Continental Breakfast 8:00am-Noon</td>
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Lunch Discussion  Bridging the Academic-Administrative Communication Divide  
12:15-1:30pm Monday, June 26th

Description:
On many of our campuses, the facilities departments have been the champions of sustainability. In order to clearly tie sustainability into the core mission of the university/college, get campus wide support, and see our practices carried on and exceeded by future generations, we must recognize the importance of curriculum and research relevant to sustainability. Through establishing campuses as living labs, engaging students in the theory of sustainability, and creating connections with faculty we can ensure that our best practices are noticed, committed to, and built upon.
Location: Lookout Mountain Room, Carrillo Dining Commons

Speakers:
Gene Lucas- Executive Vice Chancellor, UC Santa Barbara
Joshua Skov- Research Director, Principal, Good Company
Ernst von Weizäcker- Dean, Donald Bren School of Environmental Science & Management

Star Gazing  Star Gazing with Joe Jordan  
8:30-10:00pm Monday, June 26th

Description:
Come out for an evening of “true tall tales of the universe” and “cosmic ecology” exploring our natural environment in the larger sense. NASA/SETI scientist Joe Jordan will show us constellations, planets, nebulae and galaxies, and orient us to the lights, colors, motions, and phenomena of the night sky. He uses an amazing GREEN LASER that makes a sharp, brilliant beam that looks like it goes all the way out to the stars!
Location: Las Encinas Courtyard, Manzanita Village

Tour Leader:
Joe Jordan- NASA/SETI Scientist

Lunch Discussion  Q&A with U.S. Green Building Council on Certifying Campus Projects through LEED™  
12:15-1:30pm Tuesday, June 27th

Description:
All are welcome to join this informal discussion following the morning conference session, “Greening Your Campus Building Portfolio.” Matt St.Clair, Sustainability Specialist at the UC Office of the President, will moderate a discussion with Doug Gatlin, Director of LEED™ EB for the U.S. Green Building Council. This is your chance to ask burning questions about LEED™ documentation and submittals for projects on your campuses, or hear about common issues on other campuses.
Location: Lookout Mountain Room, Carrillo Dining Commons

Speakers:
Matthew St.Clair, Sustainability Specialist, UC Office of the President
Doug Gatlin, Director of LEED™ EB, U.S. Green Building Council
## Breakfast Discussion
### Making Sustainable Buildings and Campuses Accessible
**Description:**
What does it mean to make a sustainable building accessible? Join us for an early morning breakfast and a chance to address integrating accessibility needs into sustainability and campus planning with some of UCSB’s top administrative and Facilities Management staff, as well as representatives of the campus’ disabled community. Important issues pertaining to accessibility and campus development on the local, regional, and national level will be addressed from a diverse array of perspectives.

**Location:** Lookout Mountain Room, Carrillo Dining Commons

**Speakers:**
- Gary White- Director, Disabled Students Program, UC Santa Barbara
- Jeremy Johansen- Student, Commission on Disability Access (CODA), UC Santa Barbara

## LEED™ Workshops
### Labs21, Environmental Performance Criteria and LEED™ for Labs
**Description:**
The primary guiding principle of the Labs21 program is to improve the energy efficiency and environmental performance of laboratories by examining the entire facility from a “whole building” perspective. The Labs21 program has developed resources to support the design, construction, and operation of high-performance labs. This half-day seminar will present information on the Labs21 Environmental Performance Criteria (EPC), a point-based rating system to help assess the environmental performance of laboratories.

**Location:** Corwin Pavilion East

**Speaker:**
Paul Mathew, LBNL/Labs 21, member of USGBC’s LEED™ for Labs Committee

## LEED™ Workshops
### Using LEED™ for Existing Buildings to Green Your Campus Buildings
**Description:**
The intent of this workshop is to provide an effective tutorial on applying the LEED™ Existing Building (EB) Rating System in campus environments, with an emphasis on the unique challenges and opportunities presented by educational institutions, multi-building properties/sites, and ongoing management of campus sustainability initiatives.

**Location:** Corwin Pavilion West

**Speaker:**
Perrin Pellegrin, Campus Sustainability Manager, UC Santa Barbara
Dan Ackerstein, Leonardy Academy, developer of the LEED™ EB program for the USGBC
### Green Building: Corwin Pavilion

**Monday, June 26th, 2006**  
10:30am-12:00pm  
Best Practice Awarded Energy Efficient New Building Design: Best Overall Sustainable Design, and Best Integrated Design Process

This session will include presentations from the Higher Education Energy Efficiency Partnership Best Practice Awards Program in the categories of Best Overall Sustainable Design and Best Integrated Design Process.

**Speakers:**  
Barbara Winslow- Architect JSW/D, Award Winner Best Integrated Design Process  
George Conde- AIA, Project Director, Capital Programs, UCLA, Award Winner Best Overall Sustainable Design  
Bonnie Blake-Drucker- AIA, LEED™ AP, Principal Blake Drucker Architects, Award Winner Best Overall Sustainable Design  
Keith Marchando- Director of Energy Sustainability, Sonoma State University, Award Winner Best Overall Sustainable Design  
Wendy Rodgers- AIA, Principal Designer, LPA, Inc., Award Winner Best Lighting Design  

**Moderators:**  
Warren Jacobs- University Architect, CSU Office of the Chancellor, LEED™ AP  
Tara Lamont- AIA, Assistant Director for Design and Construction Services, UC Office of the President

**Monday, June 26th, 2006**  
1:45pm-3:00pm  
Best Practice Awarded in Energy Efficient New Building Design: HVAC, Lighting, and Building Envelope

This session will include presentations from the Higher Education Energy Efficiency Partnership Best Practice Awards Program in the categories of Energy Efficient New Building Design – Lighting, HVAC, and Building Envelope.

**Speakers:**  
Alan Locke- Founding Principal, IBE Consulting Engineers, Award Winner Best HVAC Design  
Craig Johnson- Mechanical Engineer, Design and Construction Office, UC San Diego, Award Winner Best HVAC Design  
Keith Marchando- Director of Energy Sustainability, Sonoma State University, Award Winner Best Lighting Design and Best HVAC Design  

**Moderator:**  
Satinder Gulati- University Engineer, CSU Office of the Chancellor

**Monday, June 26th, 2006**  
3:30pm-5:00pm  
Residence Hall Green Building Case Studies

Universities continue to build many new housing projects as a way to improve student life and community on campuses. Green building concepts have only recently begun to be integrated into housing projects, but already there are many great examples around the country and here in California. This session highlights a completed project at UC Merced that is one year into occupancy, a project at Cal Poly San Luis Obispo that has completed design and is beginning construction, and an exciting curriculum and student-research integrated green dorm project at Stanford that recently completed a feasibility study and will soon commence schematic design.

**Speakers:**  
Mark Maxwell- LEED™ Sustainability Coordinator, Physical Planning, Design & Construction, UC Merced  
Tom Lollini- Associate Vice Chancellor of Design and Construction, UC Merced  
Susan Kulakowski- Energy Manager, Stanford  
Lauren Dietrich- Director of Students for a Sustainable Stanford  
Joel Neel- Associate Director of Facilities Planning, Cal Poly San Luis Obispo  

**Moderator:**  
Wilfred E. Brown- Executive Director, Housing & Residential Services, UC Santa Barbara

**Tuesday, June 27th, 2006**  
10:30am-12:00pm  
Greening Your Campus Building Portfolio

The intensive documentation, expense, and effort needed to seek LEED™ certification for multiple projects can be overwhelming, especially to universities holding a campus-wide commitment to greening. UC Irvine and UC Merced are both working with the USGBC to streamline this process in order to make it less expensive for campuses and to address the context of campus building projects. The Director of LEED™ for Existing Buildings (LEED™ EB) from the USGBC will share USGBC’s new portfolio to facilitate campuses that want to make every building on campus a green one.

**Speakers:**  
Doug Gatlin- Director of LEED™ for Existing Buildings (EB), U.S. Green Building Council  
Tom Lollini- Associate Vice Chancellor of Design and Construction, UC Merced  
Richard Demerjian- Director of Physical and Environmental Planning, UC Irvine  

**Moderator:**  
Perrin Pellegrin- Campus Sustainability Manager, Facilities Management, UC Santa Barbara
Green Building Under Fixed Project Budgets

With little or no State funding available to “green” higher education projects, campuses need to make wise design decisions in order to appropriately allocate funds within the fixed project budget to be able to incorporate mandated “green” design. The presentations on this panel will describe how UC Davis and the L.A. Community College District are addressing this challenge, and also provide the perspective of a cost consultant familiar with green buildings and the higher education sector.

Speakers:
Bharat Patel- Sustainability Specialist, Principal at DMJM, LA Community College District
Peter Morris - Principal, Davis Langdon
Bill Starr - Project Manager, UC Davis

Moderator: Warren Jacobs- University Architect, CSU Office of the Chancellor, LEED™ AP

Richard Demerjian

Richard Demerjian is the Director of the Office of Campus and Environmental Planning at the University of California, Irvine. In this role he oversees land use planning, community planning, transportation and infrastructure planning, and environmental programs at UCI. Richard has a Bachelors degree in Landscape Architecture from California State Polytechnic University, Pomona and an MBA from the UCI Graduate School of Management. Richard lives in Trabuco Canyon, CA with his wife Chris and two children Derek and Kalie.

Satinder ‘Steve’ Gulati

Mr. Gulati has been a University Engineer at the California State University, Office of the Chancellor for over five years. At the CSU, Mr. Gulati manages the CSU major capital projects. He is also responsible for managing the CSU Mechanical Review Board. He has acquired over 35 years of extensive experience in the management, supervision and design of mechanical, plumbing, fire protection, and telecommunications systems.

Bharat Patel

Bharat Patel is a Principal at DMJM and has over 25 years experience in Design and Construction. He is chair of the USGBC, LA chapter, and an adjunct professor at UCLA. Patel heads the sustainable group for DMJM in America and works closely with the firm’s sister company in Europe that was responsible for the BREEAM Green Building Rating Standard. Patel is implementing the Sustainable Policy for the LACCD and review of campus policies and procedures (Existing Buildings) and review of campus policies and procedures (A&E). He specializes in managing projects with challenging energy conservation and environmental goals. He is currently managing the Tahoe Center for Environmental Sciences, the Veterinary Medicine Instructional Facility and the Veterinary Medicine 3B Laboratory Building. All three projects are targeting LEED™ Silver certification or higher. Bill co-authored his office’s sustainable design policy and the Davis campus’ LEED™ baseline. He is also an active participant in the Laboratories for the 21st Century program.

Peter Morris

Peter Morris, a Principal with Davis Langdon, has 27 years of experience in construction cost planning and management, with expertise in construction economics, sustainable design, scheduling and life-cycle costing. Peter is the head of Davis Langdon’s research initiative, and has spoken at several major conferences on the topics of cost benchmarking, cost planning, and the cost of sustainable design.

Bill Starr

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Barbara Winslow

Barbara has a degree in social psychology from Cornell University and received a Masters in Architecture from the University of California at Berkeley in 1978. With thirty years of experience in architectural design, she has focused on projects emphasizing passive solar design and serving users with special needs. Recent work includes several childcare centers.

Mark Maxwell

Mark Maxwell, the LEED™ Sustainability Coordinator at UC Merced, has been responsible for tracking and coordinating all building documentation for LEED™ submissions to the USGBC. All new construction for the campus must meet minimum LEED™ Silver Certification. In addition to managing the LEED™ program for the campus, Mark is responsible for overseeing the Environmental Stewardship Program for the campus, which includes such things as managing LEED™ EB (Existing Buildings) and review of campus policies and procedures for sustainable practices.

Lauren Dietrich

Lauren Dietrich earned a Masters in Construction Management from the Civil and Environmental Engineering Department at Stanford University and has been heavily involved with the Green Dorm since the project began in November 2003. Lauren plans to continue participating in collaborative design, pushing for implementation of sustainable development, and education about resource use.
Green Building

Alan Locke is the founding principal at IBE Consulting Engineers. He started the firm to facilitate his vision of having Principal Engineers involved in the design process and to ensure that senior staff take a lead role in mechanical and building engineering design. His intent was to be an integral part of the project team, adding value throughout the process. Alan is also an adjunct professor in the School of Architecture at the University of California, Los Angeles.

Susan Kulakowski is the Campus Energy Manager for Stanford University, where she works to improve energy and water use efficiency in academic facilities. Previously, she was a Senior Project Manager at Energy Solutions (Oakland, CA) and obtained her graduate degree at UC Berkeley’s Energy and Resources Group.

Joel Neel is the Senior Associate Director of Facilities Planning and Capital Projects at Cal Poly San Luis Obispo. In that capacity Joel oversees the 22 staff and consultants required for constructing the UC Merced campus, a $400 million program. A unique planning objective for this campus is to attain the first USGBC LEED™ rating for the entire campus program, and LEED™ Silver rating for each building. Newly occupied buildings are performing at 30-50% above CA T-24 energy conservation requirements.

Judy Chess is the Manager for Policy and Programs for Capital Projects at UC Berkeley. Ms. Chess has worked in campus planning and project management for almost 20 years, and has worked in the private, municipal and campus sectors across several specialty areas, including environmental planning, historical preservation, and designing for access for persons with disabilities. Ms. Chess is the Co-chair of the Chancellor’s Advisory Committee on Sustainability and is responsible for establishing the Berkeley campus’ Green Building Baseline and implementation.

Perrin Pellegrin is the Campus Sustainability Manager for the University of California, Santa Barbara. Ms. Pellegrin works to ensure that the U.S. Green Building Council’s (USGBC) LEED™ guidelines are met in all new campus construction projects. She is piloting the LEED™ EB program on campus and is developing the policy implementation with a coalition of individuals and departments. Ms. Pellegrin is also the project manager for the development of the Campus Sustainability Plan.

Craig Johnson is a mechanical engineer in the design and construction office at UC San Diego. While working on the campus he has conducted design reviews, supported the construction, and commissioned seven laboratory buildings on the campus. Collectively they contain over 300,000 square feet of laboratory space and approximately 55,000 square feet of vivarium space.

Tara Lamont, AIA is Assistant Director of Design Services for the UC Office of the President. She has been Assistant Director for Project Management for UC Berkeley and the Bureau Chief for the City & County of San Francisco in the Bureau of Architecture. Ms. Lamont has been working with the campuses to develop their Campus Green Building Baselines and will be involved with the certification of projects as they are completed and developing guidelines for life-cycle costing methodology.

Keith Marchando has thrived as an engineer by bucking conventional wisdom. In 1991 he began work at Sonoma State University and by 1998 he was working with campus architect Bruce Walker to assist in engineering, design, and implementation issues. His work has led to the innovative and award-winning sustainable engineering of numerous projects.

Bonnie Blake-Drucker, AIA, LEED™ AP is a Principal at BlakeDrucker Architects and earned her Masters in Architecture from the University of California at Berkeley and Master of Science from the University of Massachusetts at Amherst. She has over 20 years experience in design and construction of complex facilities such as laboratories, healthcare facilities, manufacturing, and computer facilities. Bonnie is also the winner of a Best Overall Sustainable Design, for the full floor remodel of the UCSP School of Dentistry, Tissue and Cell Biology Laboratory located in an existing high-rise research tower which recently received certification under the LEED™ CI program of the USGBC.

Keith Dunnavant, P.E., western regional sales manager for Des Champs Technologies, has more than twenty years of HVAC and controls experience, with expertise in the fields of air-to-air energy recovery, dehumidification, and evaporative cooling. Keith holds a BS degree in mechanical engineering from N.C. State University. He is a member of ASHRAE and has authored technical articles published in the ASHRAE Journal and Heating Piping Air Conditioning Magazine.

Bonnie is a Principal at BlakeDrucker Architects and earned her Masters in Architecture from the University of California at Berkeley and Master of Science from the University of Massachusetts at Amherst. She has over 20 years experience in design and construction of complex facilities such as laboratories, healthcare facilities, manufacturing, and computer facilities. Bonnie is also the winner of a Best Overall Sustainable Design, for the full floor remodel of the UCSP School of Dentistry, Tissue and Cell Biology Laboratory located in an existing high-rise research tower which recently received certification under the LEED™ CI program of the USGBC.

Mr. Conde began his design and construction career at UCLA in 1974 after graduating from USC. He is project director for medical research building projects and heads a project team responsible for 400,000 square feet of new laboratory buildings in addition to the LEED™ certified, La Kretz Hall instructional building.

Wendy Rodgers is a design principal at LPA, Inc., one of the largest architectural firms in California. Ms. Rodgers graduated Magna Cum Laude with a Bachelor of Architecture from California Polytechnic State University, Pomona, California. During her 18 year career at LPA, Ms. Rodgers has had the opportunity to work on a variety of distinctive, award-winning projects that focus on integrating design environments with public and educational spaces.
Karl Brown

Karl Brown is the Deputy Director of the California Institute for Energy and Environment, a part of the University of California Office of the President. His work includes planning and management of end-use energy RD&D, as well as energy planning, policy development, and efficiency program coordination for UC facilities. His efforts are currently focused on energy performance monitoring and benchmarking to assist the design and operation of campuses.

Andy Coghlan

Andy Coghlan is a Senior Program Associate with the Alliance to Save Energy where he works on the California Green Campus Program, a grant-funded program on California State University and University of California campuses that seeks energy savings through student-led energy efficiency and conservation campaigns. Prior to joining the Alliance to Save Energy, Mr. Coghlan worked with a Marin County based non-profit, Strategic Energy Innovations, and interned with the Apollo Alliance in Washington, DC.

William Cowdell, P.E.

Bill has over 30 years of Mechanical Engineering experience with 8+ years at UC Irvine as the Director of Quality Assurance in Design and Construction Services. Working with Facilities Management he brings insight into the campus’ energy savings ideas and plans. UC Irvine has constructed eight research labs in the last 10 years. Two more are now in the design phase.

Dale Gauthier

Dale Gauthier, Senior Project Manager with DMJM Harris Energy & Power Services, has a 25 year career in the industry that includes both supply and demand side management experience. A registered mechanical engineer in California, Dale recently completed the Investment Grade Assessment for CSU San Bernardino with energy measures ranging from central plant expansion to campus-wide lighting, water, and plug load efficiency measures.

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Maric Munn

Maric Munn is the Associate Director of Energy and Utility Services for the UC Office of the President. Ms. Munn has 15 years experience in the energy industry, as an Energy Management Engineer for PG&E, an Energy Resource Specialist for the State of California, an Energy Manager for the Presidio National Park, and a Senior Mechanical Engineer for a consulting firm where she specialized in energy efficiency and cogeneration. Ms. Munn holds a Bachelor of Science degree in mechanical engineering.

Dale Sartor, P.E.

Mr. Sartor heads the LBNL Building Technologies Applications Team, which aids the transfer of new and underutilized technology. He is a licensed Mechanical Engineer and General Building Contractor. He has over thirty years of experience in energy efficiency and renewable energy applications, including ten years as a principal of an architecture and engineering company, and seven years as the head of LBNL’s In-House Energy Management Program. Mr. Sartor has an AB in Architecture, and a Masters in Business Administration.

Judi Quach

Ms. Quach serves as Project Coordinator at Strategic Energy Innovations (SEI) focusing on green building projects and implementing energy conservation programs. Judi collaborates with universities to achieve Energy Star/Sustainable Residence Hall Demonstration Showcases. Earlier, Judi directed energy saving projects and facilitated an Energy 101 course at UC Berkeley, where she served as a Green Campus Program Coordinator and Resident Assistant. Ms. Quach holds a BS degree in Conservation and Resource Studies from UCB.

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Mr. Sartor heads the LBNL Building Technologies Applications Team, which aids the transfer of new and underutilized technology. He is a licensed Mechanical Engineer and General Building Contractor. He has over thirty years of experience in energy efficiency and renewable energy applications, including ten years as a principal of an architecture and engineering company, and seven years as the head of LBNL’s In-House Energy Management Program. Mr. Sartor has an AB in Architecture, and a Masters in Business Administration.

Judi Quach

Ms. Quach serves as Project Coordinator at Strategic Energy Innovations (SEI) focusing on green building projects and implementing energy conservation programs. Judi collaborates with universities to achieve Energy Star/Sustainable Residence Hall Demonstration Showcases. Earlier, Judi directed energy saving projects and facilitated an Energy 101 course at UC Berkeley, where she served as a Green Campus Program Coordinator and Resident Assistant. Ms. Quach holds a BS degree in Conservation and Resource Studies from UCB.

Sukhjeet Sandhu P.E.

Sukhi is Associate Director of Engineering with Capital Projects & Facilities Management at UCSF and chairs the UCSF Sustainability Natural Resources Committee. He has a Masters in Mechanical Engineering from Stanford University, is a registered professional engineer, and has been an engineering consultant for 14-plus years in California in the areas of HVAC, energy, utilities procurement and cogeneration. Sukhi has also served as the Director of Energy & Environment for Punjab State in India for 5 years.
Jeff Whitman

Jeff Whitman has a BS degree in Information Systems from the University of Redlands and has been in the IT field for over 25 years. He has been an Information Technology Consultant at CSUSB since 1995. He is also the published author of “STR8 BOLT” in the Sci-Fi genre.

Tom Blair

Tom Blair is the Energy Administrator and Deputy Environmental Services Director, for the City of San Diego. He was also the Director of Facilities Services at Cal State San Marcos for 8 years. Tom manages city utility expenditures of $38 million providing service to 1,400 facilities. The city has a “Green Construction” program and is ranked 13th on the EPA’s top 25 Green Power Purchasers. The city produces 25% of its municipal power using renewable fueled systems.

Felicity Blue

Felicity Blue has been a Program Coordinator for the Green Campus Program at CSU, San Bernardino since 2004. Since joining Green Campus, Felicity completed a B.A. in Art Education and will be completing her teaching credential June 2, 2006. Beginning in Fall, 2006 she will be pursuing a career in teaching art, but looks forward to getting involved with the Green Schools Program that works toward energy savings at elementary and secondary schools.

Oksana Harris

Oksana Harris is a program coordinator for the Green Campus Program at California State University, San Bernardino. She is in her junior year and majoring in Business Administration and concentrating in Marketing and Finance. Oksana has been working with the Office of Housing and Residential Life to engage Residents in generating energy awareness amongst campus residents. In the future, she hopes to further use her marketing skills to promote Green Campus Program goals and ideals.

Ryan Schauland

Ryan Schauland is a recent graduate of the University of California, Santa Barbara where he received a BS degree in Environmental Studies and a BA in Geography. Over the last year, he has worked as a Program Coordinator for the Green Campus Program on projects ranging from student energy conservation education to LEED™ for Existing Building projects. Ryan was integral to the LEED™ EB Certification of Girvetz Hall and assists in the Sustainability efforts at UCSB.

Ashleigh Talberth

Ashleigh Talberth is a third-year economics major, and currently interns for the Alliance to Save Energy. Her environmental advocacy work includes facilitating an Education for Sustainable Living Program (ESLP) UC Sustainable Purchasing class, being a student representative on the UCSB Campus Sustainability Plan, collaborating with the CSSC to draft a systemwide Sustainable Purchasing Policy, and co-coordinating the recently successful Green Initiative Fund (TGIF) campaign.

Herb Hayden

Herb Hayden is the Solar Program Coordinator for the Arizona Public Service Company. He has led the development, construction and operation of solar power plants for APS and managed the development of new solar technologies. Herb also initiated the development of the APS Remote Solar Electric Service. This program provided off-grid solar power services to 50 homes and ranches in Arizona as well as several unique larger scale “solar hybrid” systems for military, national park, and commercial customers in the US southwest and Mexico.

Patrick McCoy

Patrick McCoy is Project Manager for the California State Department of General Services’ Solar Power Purchase Program. Mr. McCoy has been a former member of the Department of General Services Natural Gas Services Program, a charter member of the Department of General Services Electricity Services Program, a project developer and manager for millions of dollars of energy projects at various State facilities. Mr. McCoy also participated in Governor Arnold Schwarzenegger’s Hydrogen Highway Blueprint effort as a member of the Implementation Team.

Lucinda J. Andreani

Ms. Andreani is an independent energy consultant. She has served the City of San Diego, which has established a goal for developing 50MW of renewable energy resources at city facilities over the next five years. She has developed RFPs, including the pricing instruments, reviewing the proposals, serving on the evaluation team during interviews, and negotiating the contracts. Ms. Andreani also served as a Senior Consultant for Enron Energy Services and as Pacific Gas & Electric Company’s Director of Public and Institutional Markets.

Bill Lekas

Lekas is currently Energy Manager at Physical Plant, San Diego State University. He is responsible for utility budgets for Physical Plant and provides projections and energy efficiency information for Housing, KPBS and other campus organizations. He also interfaces with the CEC, the Federal EIA and DOE on matters relating to the operation of the cogeneration plant, energy efficiency and QF. Bill is involved in energy project development dealing with energy and utilities, energy conservation measures, and efficiency monitoring and was responsible for the initial studies for expansion of cogeneration on campus and on the team that initially developed and implemented the campus energy management system. San Diego State University won the The Best Practice Award for CSU campuses in monitoring-based commissioning.
Monday, June 26th, 2006
10:30am-12:00pm
**LEED™ for Coastal Buildings**

At most universities, academic programs and facilities management operate as independent “silos.” This presentation will illustrate how student projects have educated and motivated the users of the facility. The collaboration between practitioners, students, faculty, and staff bridges the traditional divide by using a real campus design project as the vehicle for student learning about campus sustainability practices, LEED™, and green building.

**Speakers:**
Gary Banks- Architect and Project Manager, UCSB
Margot McDonald- Professor of Architecture, Cal Poly, San Luis Obispo
Kelly Teich- Student, Cal Poly, San Luis Obispo
Michael Kamit- Student, Cal Poly, San Luis Obispo

**Moderator:** Perrin Pellegrin- Campus Sustainability Manager, Facilities Management, UC Santa Barbara

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Monday, June 26th, 2006
1:45pm-3:00pm
**Water Efficient Irrigation, Synthetic Lawns, and Monitoring Outdoor Water Use**

This session will cover water efficient irrigation technologies, smart controllers, and education in reducing outdoor water consumption. We will look at UCSB as a case study, focusing on the importance of raising staff awareness on the use of these technologies and the goals of the university. A representative from UCSD will speak about their use of synthetic lawns and xeriscaping (selection of plants which use less water) on campus and answer the questions: Have synthetic lawns been helpful in reducing water consumption? What barriers or issues are raised with synthetic lawns?

**Speakers:**
Diana Bergen- Landscape Services Project Management, UC San Diego
Chuck Morgan- Landscape Services Manager, UCSD
Ric Williams- Superintendent of Grounds, Housing & Residential Services, UC Santa Barbara

**Moderator:** David Salazar- Executive Director, Facilities Planning and Administrative Services, San Bernardino City College

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Monday, June 26th, 2006
3:30pm-5:00pm
**LEED™ EB Case Studies**

LEED™ EB addresses exterior building site maintenance programs, efficient/optimized use of water and energy, purchasing of environmentally preferred products, waste stream management and ongoing indoor environmental quality (IEQ). This presentation will discuss two case studies. The first will be how Girvetz Hall was able to achieve a LEED™ EB silver rating without hiring outside consultants. The case study will also discuss project costs and duration, and how the building is operating four months after receiving the silver rating. The second case study will cover the UCOP Oakland office building.

**Speakers:**
Perrin Pellegrin- Campus Sustainability Manager, Facilities Management, UC Santa Barbara
Jubilee Daniels- LEED™ EB Project Coordinator, UCOP

**Moderator:** George Getgen- Director, Facilities Management, UC Office of the President

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Tuesday, June 27th, 2006
10:30am-12:00pm
**Storm Water Management Systems and Rainwater Catchment Systems**

Sometimes “best practices” are costly to maintain and have not proven entirely feasible. Alternatives that are “almost best” may be more reliable as well as more cost-effective and have long term solutions. A panel discussion will take a discerning look at this topic in a way that covers costs, alternatives, feasibility, regulatory issues, and where to seek funding for retrofit projects that could improve storm water quality. This panel will cover bio-swales, water-permeable concrete, and rainwater catchment systems.

**Speaker:**
Steve Maranzana- Environmental Health and Safety Specialist, UC Berkeley
Neil Shapiro- Water Resources Section Supervisor and Urban Runoff Management Coordinator, City of Santa Monica
Katherine Noble-Goodman- Visiting Instructor, University of the Redlands Lewis

**Moderator:** Mo Lowgreen- Executive Officer, Department of Geography, UCSB

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Tuesday, June 27th, 2006
1:45pm-3:15pm
**Campus Success Stories in Reducing Building Water Consumption**

Potential water shortages are a serious challenge facing California. This workshop will show the potential for restroom water conservation that will result in water and monetary savings, as well as providing examples of how to use your campus water conservation actions as a learning tool for your students. Please join us for case studies and lively discussion on saving water and money, and how the participation of staff members, students and or faculty can help campuses achieve their water conservation and water stewardship goals.

**Speakers:**
Gary Homesley- Assistant Director of Facilities and Maintenance, Cal State Northridge
Jubilee Daniels- LEED™ EB Project Coordinator, UCOP
Jonathan Reich- Architect and Professor of Architecture, Cal Poly, San Luis Obispo

**Moderator:** Perrin Pellegrin- Campus Sustainability Manager, Facilities Management, UC Santa Barbara

**David Salazar, AICP**

David is the Executive Director of Facilities, Planning, and Administrative Services at San Bernardino Community College District with over 17 years of experience in campus planning. David is also a lecturer in the Urban and Regional Planning Department at California State Polytechnic University, Pomona, and a member of the American Institute of Certified Planners, Society of College and University Planners, and Association of Higher Education Facilities Officers.
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<th>Name</th>
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<tr>
<td><strong>Gary Banks</strong></td>
<td>Gary Banks is an Architect and Project Manager for UCSB. Mr. Banks was the Project Manager (PM) for the University of California’s first LEED™ certified building, Bren Hall, which received a Platinum rating and PM for three additional projects expected to be LEED™ Certified including one with the goal of being Gold certified. Mr. Banks also chairs UCSB’s Sustainability Committee on the Built Environment.</td>
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<tr>
<td><strong>Diana Womack Bergen</strong></td>
<td>Diana Womack Bergen has 17 years experience at UCSD providing Landscape Services including plan review, landscape design, and project management. She is a 1977 Graduate in Landscape Architecture from Cal Poly San Luis Obispo and is interested in bridging the gap between design theories and the daily realities of life.</td>
</tr>
<tr>
<td><strong>George Getgen</strong></td>
<td>George is the Director of Facilities Management at the UC Office of the President and oversees the system-wide energy management, policies and procedures, sustainability, capital renewal and deferred maintenance needs. Prior to this George was the Assistant Director of Planning, Design and Construction and Director of the UC PMI. He also worked as a project manager at Lawrence Livermore National Laboratory. George holds a BS in Civil Engineering from CSU Chico and a Civil Engineering M.S. from Berkeley.</td>
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<tr>
<td><strong>Gary Homesley</strong></td>
<td>Gary Homesley has been in the construction/maintenance field for 37 years, 17 of which were in Student Unions at Cal State LA and Northridge. Gary is passionate about sustainable building and created the first hands-free restrooms in the CSU system using waterless technology that significantly reduced water and energy consumption.</td>
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<tr>
<td><strong>Katherine Noble-Goodman</strong></td>
<td>Katherine Noble-Goodman earned her bachelor’s at UC Berkeley and her master’s at Duke. She teaches courses on sustainability and water in California and campus and community-based environmental problem-solving courses where students apply tools and techniques of environmental analysis, policy and protection to advance sustainability. She is working to establish a campus-wide sustainability program and will be undertaking a campus sustainability assessment next year.</td>
</tr>
<tr>
<td><strong>Jonathan Reich</strong></td>
<td>Jonathan Reich is an Architect and Professor of Architecture at California Polytechnic State University in San Luis Obispo where he teaches architectural design thesis studio and interdisciplinary courses in “sustainable design” which won the American Institute of Architects national award for “Ecological Literacy in Architectural Education” in 2005.</td>
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<tr>
<td><strong>Neal Shapiro</strong></td>
<td>Mr. Shapiro is a Water Resources Section Supervisor and Urban Runoff Management Coordinator for the City of Santa Monica’s Environmental Programs Division of the Environmental &amp; Public Works Management Department. Mr. Shapiro oversees water conservation and efficiency programs, and urban runoff management programs. He worked for the City of Los Angeles’ Office of Water Reclamation, promoting the use of recycled water, and for The Jacques Cousteau Society, researching global water issues. Neal is married, has 3 sons, and practices what he preaches.</td>
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<tr>
<td><strong>Steve Marananza</strong></td>
<td>Mr. Marananza graduated from UC Berkeley with an Environmental Science and Economics double major and continued on to get a Masters of Science in Environmental Management at the University of San Francisco. He has been working at UC Berkeley in the EH&amp;S Department since 1999 on the Environmental Protection Team, where among other things, he manages the storm water program and is actively involved in permitting and reviewing construction designs.</td>
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<td><strong>Prof. Margot McDonald, AIA, LEED™ AP</strong></td>
<td>Margot McDonald is a professor of architecture at Cal Poly-San Luis Obispo teaching in the areas of building environmental performance, historic preservation, and design, as well as faculty advisor for the Sustainable Environments minor. She served as a sustainability consultant for the CSU Monterey Bay master plan and most recently as lead investigator for the Sustainable Environmental Design Education Curriculum Project (SEDE), a comprehensive curriculum framework for architects and landscape architects funded by the California Integrated Waste Management Board.</td>
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<tr>
<td><strong>Chuck Morgan</strong></td>
<td>Chuck Morgan is the Landscape Services Manager at UCS and has overseen the maintenance of the 1,200 acres of campus landscape at UCS for 18 years. He has 28 years in the ornamental horticulture industry. Though no formal degree, has attended numerous college ornamental horticultural, business and management courses and is a certified arborist, and member &amp; volunteer treasurer for the Professional Tree Care Association of San Diego (PTCA).</td>
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<tr>
<td><strong>Perrin Pellegrin</strong></td>
<td>Perrin Pellegrin is the Campus Sustainability Manager for the University of California, Santa Barbara. Ms. Pellegrin works to ensure that the U.S. Green Building Council’s (USGBC) LEED™ guidelines are met in all new campus construction projects. She is piloting the LEED™ EB program on campus and is developing the policy implementation with a coalition of individuals and departments. Ms. Pellegrin is also the project manager for the development of the Campus Sustainability Plan.</td>
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<tr>
<td><strong>Ric Williams</strong></td>
<td>After receiving degrees in Horticulture and Landscape Architecture, Ric Williams specialized in the field of small-scale design for over thirty years. As Superintendent of Grounds for Housing &amp; Residential Services at UCSB, he is able to apply his interests in sustainability to modifying existing practices used in grounds management for the campus. He has co-authored the Water Resource Management Handbook and serves on several design and landscape committees for the University.</td>
</tr>
<tr>
<td><strong>Jubilee Daniels</strong></td>
<td>Jubilee Daniels, M.L.A. is currently working on green building certification for the UCOP downtown Oakland office through the USGBC LEED™ EB program. She was Associate Project Coordinator for the UC Berkeley Campus Sustainability Assessment and conducted a Masters Thesis study demonstrating the potential to save water and monetary resources at UCB.</td>
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## Transportation: Flying A Room

### Monday, June 26th, 2006

**10:30am-12:00pm**

**Thinking Outside the Bus: Creative Alternative Transportation Solutions**

Students, faculty, and staff all need to get to and from the campus and also have other transportation needs throughout the day. This panel will demonstrate solutions to the following questions:

- How does the campus set alternative transportation priorities?
- What organization structures work? What marketing tools work?
- How is success measured? What research would help? How will it be funded? This session will highlight two Best Practice award winners.

**Speakers:**
- Susan Rains- Commuter Access Coordinator, Cal Poly San Luis Obispo
- Jonathan Giffard- Intern, Physical Planning and Construction, Chancellor’s Undergraduate Internship Program, UCSC
- Logan Green- Student, co-founder of the UCSB Carshare Program, UC Santa Barbara
- Eyedin Zonobi- Transportation Solutions Manager, SJSU and Transportation Award Winner for Transit Locator Program
- Larry Pageler- Senior Transportation Planner, UCSC and Transportation Award Winner for the Santa Cruz Bike Shuttle Program

**Moderator:** Charlotte Strem- Coordinator, Environmental Planning, UC Office of the President

### Monday, June 26th, 2006

**1:45pm-3:00pm**

**Moving Ahead in Sustainable Transportation**

This session takes a broader look at questions of sustainable transportation. What should a sustainable campus transportation system look like? Should all campuses pursue the same goals? What are the economic and human impacts of sustainable transportation? This session will highlight two Best Practice award winners.

**Speakers:**
- James D. Ruby II- Fleet Services, UC San Diego, Award Winner, Electric Vehicle Program
- Gary Beddingfield- Special Projects Manager, Plant Operations, CSU Fresno Transportation Award Winner for the Red Bike Program
- Mark Stemen- Associate Professor of Geography and Coordinator of the Environmental Studies Program, CSU Chico
- Timothy Papandreou- Transportation Planning Manager, LA County
- Dorothy Kieu Le- Student, UCLA, California Student Sustainability Coalition (CSSC), Move UC Campaign

**Moderator:** Paige Macias- Associate Vice Chancellor Administrative and Business Service

### Monday, June 26th, 2006

**3:30pm-5:00pm**

**Data Will Drive You Crazy**

This session will present some of the challenges in collecting data. Methodology and approaches to overcoming these issues will be discussed. There will be a focus on collecting fleet data including:

- number, emission rating (TLEV, LEV, ULEV, SULEV, PZEV, AT PZEV and ZEV), average vehicle ridership, and a transportation corridor study.

**Speakers:**
- Tara Goddard - Transportation Planner, City of Sacramento
- Stacey Murren- Director of Parking and Transportation, UCI
- Larry Charlton- Fleet Services Manager, UC Riverside

**Moderator:** Lori Hoffman- Deputy Senior Vice President, Business and Finance, UC Office of the President

### Tuesday, June 27th, 2006

**10:30am-12:00pm**

**Multi-Modal Money: Strategies for Funding Transportation Programs**

Securing funds for the diverse modes of transportation is a challenge. This session aims to provide attendees with examples of best practices, new ideas for funding University transportation, discuss how they can be applied, and will cover a diverse set of strategies to tap into new sources.

**Speaker:**
- Olof Hansen- Environmental Protection Specialist, Environmental Protection Agency

**Moderator:** Arjun Sarkar- Fleet Manager, UC Santa Barbara

### Tuesday, June 27th, 2006

**1:45pm-3:15pm**

**Bio-Diesel and Beyond: The Forefront of Alternative Fuels**

This session will focus on near-term and longer-term alternative fuel options available to campus fleets to reduce greenhouse gas emissions and the use of fossil fuels. Discussion will explore the opportunities, challenges and future of bio-diesel, ethanol 85, CNG and hydrogen as fuels available for use by campus fleets.

**Speakers:**
- Teresa Buika- Senior Transportation Planner, UC Santa Cruz
- Olof Hansen- Environmental Protection Specialist, Environmental Protection Agency
- Kira Stoll- Planner, Parking & Transportation Dept, UC Berkeley

**Moderator:** Dorothy Kieu Le- Student, UCLA, California Student Sustainability Coalition (CSSC), Move UC Campaign
Larry Charlton

Larry Charlton has been the Fleet Services Manager for the University of California, Riverside since 1995. He is responsible for a 350-vehicle fleet and a staff that leases and maintains the fleet. He has been working to increase the number of alternative and low emission level fueled vehicles, resulting in 60% of their fleet meeting these goals. In the next few years, he and his staff hope to increase that level to more than 90 percent.

Logan Green

Logan Green graduated this year in Business Economics with an emphasis in Accounting. He has chaired the Parking Rate Payers Board, represented Bus Riders on the Santa Barbara Metropolitan Transportation District, and sat on the Transportation Alternatives and the Isla Vista Recreation and Parks District Boards. He founded the UCSB Carshare Program which increased its membership by 50% this year and now serves 1,264 faculty and staff. He is currently unemployed and looking for a job in Santa Barbara this summer.

Olof Hansen

Olof has more than 20 years experience in environmental protection and natural resources, both in the U.S. and Europe. He has worked at the university level, as a consultant and for the state and federal agencies. For the last three years, he worked on voluntary partnerships between U.S. EPA in San Francisco and industries along the West Coast. He has a Bachelors and Masters from the TU Berlin, Germany. He also did post-graduate work as a Fulbright scholar at UW-Madison.

Lori Hoffman

Lori Hoffman is the Deputy Senior Vice President-Business and Finance of the University of California, Office of the President and serves as Director of Non-State Capital Programs in the Budget Office. Lori was also a Fellow for the U.S. Department of Housing and Urban Development. She taught for five years in the City and Regional Planning department at Cal Poly San Luis Obispo and directed the project management team for a large affordable housing non-profit corporation.

Dorothy Kieu Le

Dorothy Kieu Le is a senior geography student at UCLA. She is co-chair of E3, a chapter of the California Student Sustainability Coalition (CSSC). She is a member of Move UC, which helped develop the UC-wide sustainable transportation policy in January. As a rep of E3/CSSC, she contributed to the UC Sudan Divestment Taskforce and was a 2006 delegate to USSA’s Legislative Lobby Congress in Washington, DC.

Tara Goddard

Tara Goddard is a Transportation Planner for the City of Sacramento. Last year, she was the UCOP Sustainable Transportation Intern, and helped plan the transportation track of the 2005 UC/CSU/CC Sustainability Conference. She’s thankful to speak at her alma mater, since Sacramento has neither a beach nor such lovely weather.

Stacey Murren

Stacey Murren is the Director of Parking and Transportation at UCI. Ms. Murren received her BA in Social Ecologogy from UCI, continuing her studies in Transportation Demand Management at UCLA. She has 17 years of experience in transportation, and has received numerous awards; including the California Council Quality Award for Team Excellence, the International Parking Institute for Innovation, and from the AQMD for writing the most thorough and innovative TDM strategy for reducing commuter trips.

Larry Pageler

Mr. Pageler is Senior Transportation Planner for the University of California’s Santa Cruz campus. Since 1984, he has worked as an environmental analyst, facilities planner and transportation planner for UCSC. During most of the 1990’s, Mr. Pageler served as Director of Transportation and Parking Services (TAPS). He has led the creation of new and innovative transportation and parking programs that benefit the University/campus and surrounding region, with a special emphasis on transit services and Travel Demand Management (TDM) programs.

Mark Stemen

Mark Stemen is an Associate Professor of Geography and the Coordinator of the Environmental Studies Program at CSU, Chico. His academic interests include environmental literacy, campus sustainability, and getting students engaged in the wider community. “Dr. Mark” is a founding member of North State Renewable Energy, an organization dedicated to expanding solar power in the region. He received an EPA P3 grant to partner students and community members on renewable energy projects.

Charlotte Strem

Charlotte Strem, Coordinator of Environmental Planning at the UC Office of the President, is responsible for implementation of the Sustainable Transportation policy. Charlotte is a 1974 graduate of the UCSB Environmental Studies program, and did her graduate work in City Planning at the University of Pennsylvania. She carpool in a hybrid.

Jonathan Giffard

Jonathan Giffard is a senior Environmental Studies major at UCSC. He got involved as a freshman in the MoveUC campaign with the CSSC and as a representative on the UCSC Transportation Advisory Committee. During the last academic year Jonathan was part of the Chancellor’s Undergraduate Internship Program, working with the campus planning department to update the UCSC Bike Plan.
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<tbody>
<tr>
<td>Dick Sun</td>
<td>Manager of Environmental Programs at UC Irvine. He received his Bachelors in Chemistry and Asian Studies from UC Santa Barbara, and his Masters in Public Administration from California State University, Long Beach. Dick has 16+ years of experience in managing environmental, health and safety programs.</td>
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<tr>
<td>Peter F. Ward</td>
<td>Policy Advisor to Commissioner James Boyd, at the California Energy Commission. He was the Fuel Distribution Program Manager for the California Clean Fuels Infrastructure Program, and served as the statewide Clean Cities Program Coordinator for five years. Peter was responsible for the Alternative Fuels Infrastructure Plan and Program which included a bi-annual Market Assessment of Alternative Fuels for Transportation and Alternative Fuel Infrastructure project cost-sharing solicitations.</td>
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<tr>
<td>Eyedin Zonobi</td>
<td>Manager of Transportation Solutions at San Jose State University. He is also an alumnus of SJSU. His background is Civil Engineering and Urban Planning. He has worked 12 years in the field of Transportation Demand Management (TDM) with emphasis in grant development. He created the SJSU Transportation Solutions department in August 2000. Transportation Solutions has pioneered utilizing Geographic Information System (GIS) technology to implement TDM at SJSU.</td>
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<tr>
<td>Patrick Thorson</td>
<td>Ms. Thorson manages the air quality and stormwater compliance programs at Lawrence Berkeley National Laboratory in Berkeley. He has held positions with local, regional, state, and federal government organizations, as well as the private sector. He played the key role in getting Berkeley Lab's E85 fueling station permitted in 2003 and has been involved in Berkeley Lab's use of biodiesel and electric vehicles. His preferred alternative method of transportation remains the bicycle!</td>
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<tr>
<td>Gary Beddingfield</td>
<td>Special Projects Manager for Plant Operations at California State University Fresno and a Sustainable Transportation Award Winner for the Red Bike Program. Gary developed the rideshare program and has been the Parking Administrator at Fresno State. He received his Bachelor's degree from Long Beach State and his Master's from Fresno State. Gary was previously employed with IBM for 25 years.</td>
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<tr>
<td>James D. Ruby II</td>
<td>has served with the University of California, San Diego, Fleet Services since 1998. Jim came to UCSD with over thirty years of experience in the automotive business working with industry leaders such as Toyota, Ford, Audi, Porsche, and DaimlerChrysler. UCSD Fleet Services provides a full range of automotive services to include repair, maintenance, rental, lease, DMV registration, emissions testing, specification, customization, and fueling.</td>
</tr>
<tr>
<td>Paige Macias</td>
<td>Associate Vice Chancellor for Administrative and Business Services at UC Irvine. In the past, Paige has been the Assistant Vice Chancellor for Facilities Management and served as the Budget Officer for Administrative &amp; Business Services, as Management Services Officer in Administrative Computing Services, and as Management Services Officer in the Department of Medicine. Ms. Macias is dedicated to improving the services that Administrative &amp; Business Services provides to the campus.</td>
</tr>
<tr>
<td>Josh Mauzey</td>
<td>Senior Research Engineer and Hydrogen Program Manager at the National Fuel Cell Research Center, located at the University of California, Irvine. His current projects focus on hydrogen production, fuel cell vehicle and hydrogen infrastructure demonstrations, distributed power generation demonstrations, and the operation of microturbine generators on alternative fuels. He previously held a position at Hydrogen Burner Technology, a developer of novel hydrogen generation products.</td>
</tr>
<tr>
<td>Susan Rains</td>
<td>is the Commuter and Access Services Coordinator of the Cal Poly San Luis Obispo Police Department. She has oversight for Transportation Demand Management for the Cal Poly campus community. Her program includes 10 vanpool vans, 90 bike lockers, over 2,100 bike rack spaces, a staff carpool program, and more. Her program has earned recognition as a Best Workplaces for Commuters by the U.S. Environmental Protection Agency, Susan also services on many city and county transportation committees.</td>
</tr>
<tr>
<td>Kira Stoll, AICP</td>
<td>Transportation Planner in the Parking and Transportation Department at UC Berkeley. Kira has had the opportunity to design and implement rideshare, transit, telecommuting, bicycling and pedestrian programs. She has secured numerous grants to improve transportation infrastructure at UC campuses. Kira has been an avid transit commuter most of her life — starting at age 10 when she paid just $.10 a ride to today when she pays $8.65 a ride as part of the UCB employee bus pass program.</td>
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<tr>
<td>Arjun Sarkar</td>
<td>has been passionate about alternative fuel form his teenage years. He graduated from Universal Technical Institute in 1992. He worked for Santa Barbara Metropolitan Transit District on their electric bus program. His current work at UCSB is focused on the AFV fleet. He is also a Change Agent on the UCSB sustainability plan focused on the transportation section. Arjun describes himself as a “Radiant Catalyst for the Renewable Energy Transition.”</td>
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<tr>
<td>Teresa Buika</td>
<td>has sixteen years experience working as a transportation planner and currently serves as a Senior Transportation Planner at UCSC. She focus on campus transportation planning issues including the Long Range Development Plan; primary grant-writer and project manager for grant-funded capital projects and studies; and program development. She is currently working to initiate a carshare program at UCSC and also manages a study with the City of Santa Cruz and local transit district to explore bus rapid transit options. Teresa is a graduate of UCSB Environmental Studies.</td>
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<tr>
<td><strong>Timonie Hood</strong></td>
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<td>Timonie Hood works for the U.S. EPA Pacific Southwest Regional Office on environmentally preferable purchasing and green building. Timonie was the first Federal employee to become a U.S. Green Building Council LEED™ Accredited Professional and received an Office of the Federal Environmental Executive Award for her work on green purchasing.</td>
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<tr>
<th><strong>Kirsten Ritchie</strong></th>
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<tr>
<td>Kirsten Ritchie, PE is director of environmental claims for Scientific Certification Systems, the nation’s first scientific program for independently verifying the accuracy of environmental claims on products. Instituted in 1990, the program has addressed certified recycled content, biodegradability, indoor air quality performance, environmentally preferable products, and sustainability. Ms. Ritchie currently serves as the Chair of the ASTM T ask Force on Environmentally Preferable Products and as Vice-Chair of the USGBC Material and Resources Technical Advisory Group.</td>
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<th><strong>Craig Duehring</strong></th>
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<td>Craig Duehring is a State Procurement Engineer for the California Department of General Services. Mr. Duehring currently manages California’s Environmentally Preferable Purchasing program and was the Project Manager for developing California’s web based Environmentally Preferable Purchasing Best Practices Manual.</td>
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<thead>
<tr>
<th><strong>Desirae Early</strong></th>
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<tbody>
<tr>
<td>Desirae is a third year student at UC Berkeley, majoring in Environmental Economics and Policy. She is a Program Coordinator for Green Campus, which works towards educating people on the importance of energy conservation and realizing energy savings. She is also a Program Advisor for the Global Environment Theme House at UC Berkeley.</td>
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<tr>
<th><strong>Lin King</strong></th>
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<td>Lin completed his BS from UC Davis in Environmental Science. He then completed his Masters at CSU Fullerton, focusing on evaluating and reporting the status of recycling programs at all the California State Universities and became the first graduate student recycling coordinator at Fullerton. Lin has managed the R4 Recycling Program at University of California, Davis for ten years and served as Vice President on the California Resource Recovery Association Board and as Chair of the California Collegiate Recycling Council.</td>
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<tr>
<th><strong>Scott MacKenzie</strong></th>
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<tr>
<td>Scott MacKenzie is a Sustainability Coordinator at UCSB in the Purchasing Department and Business Services. Scott participates on UC system-wide Strategic Sourcing Initiatives to ensure that sustainability is a strategic principle within all UC RFP’s and Contracts. He also provides educational training and outreach to campus staff, faculty, and students regarding sustainability and Environmentally Preferable Purchasing (EPP). Scott’s workshops encourage collaboration and communication around the multiple sustainability initiatives here at UCSB and across the UC system.</td>
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<tr>
<th><strong>Gary Hopper</strong></th>
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<tr>
<td>Director of Purchasing for the University of California, Santa Cruz since January 2005, Gary Hopper possesses 27 years of procurement experience. Prior to coming to UCSC, Gary worked for such private sector giants as Disney Corporation, Intel and Apple. Gary is a Certified Purchasing Manager (CPM) and holds an MBA from Golden Gate University.</td>
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<tr>
<th><strong>Alec Cooley</strong></th>
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<td>Alec Cooley has been involved in the recycling field since 1991. Since 1997 he has managed recycling and waste reduction programs through HSU’s Plant Operations. From 1998 to 2005 Alec was a steering committee member of the California Collegiate Recycling Council, serving as Chair from 2002 to 2003. Since 2003, he has served on the Board of Directors of the California Resource Recovery Association. He is currently president of the organization.</td>
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<tr>
<th><strong>Cindi Deegan</strong></th>
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<tr>
<td>Cindi Deegan has worked in Purchasing at the University of California for twenty three years. She led the Computing and Communication procurement team on the Riverside Campus for 18 years and then managed the UCOP and UC Merced purchasing team at UCLA for three years. In 2004 Cindi moved to Merced and is currently Purchasing Director at UC Merced. Cindi has a lifetime Certified Purchasing Manager (CPM) accreditation and has presented purchasing-related training sessions for various professional organizations.</td>
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<tr>
<th><strong>Haggai Hisgilov</strong></th>
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<tr>
<td>Haggai Hisgilov is the Executive Director of Strategic Sourcing for the UC Office of the President. Haggai worked as Director of Strategic Sourcing at UCLA where his successes in cost savings proved the value of the UC Strategic Sourcing Initiative. He also held the position of VP of Corporate Contracts at the 1st Interstate Bank. Haggai was born in Russia, served 5 years in the Israeli military and received his undergraduate degree in Economics and Statistics from the Hebrew University of Jerusalem.</td>
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<tr>
<td>Name</td>
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<tr>
<td>Jeff Hunts</td>
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<td>Pam Lombardo</td>
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<td>James Mathwin</td>
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<td>Ashleigh Talberth</td>
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<td>Lesley Clark</td>
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<th>Name</th>
<th>Position</th>
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<tr>
<td>John J. Russell</td>
<td>Senior Project Manager for The Ashkin Group, LLC Mr. Russell consults with distributors, contract cleaners, and end users on the subject of green cleaning chemicals and the impact on the users, the environment, and the facility.</td>
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Procurement 26
Monday, June 26th, 2006
1:45pm-3:00pm

Getting Down to Business, Part I: Steps Toward Integrating Sustainability in Campus Dining Services

Sustainability is sweeping through campus dining services as diverse stakeholders are coming to the table. Case studies of how UC campuses have integrated sustainability into dining services will be highlighted through speaking Associate Director(s) of Dining Services visions and implementation strategies, a chef’s perspective of cooking with seasonal food, and how student involvement in bringing the classroom to the dining hall has been instrumental.

Speakers:
Scott Berlin- Associate Director of UC Santa Cruz Dining
Bonnie Crouse- Assistant Director of Residential Dining Services at the University of California, Santa Barbara
Geraldine McCutcheon- Head Chef, UC Santa Cruz

Moderator/Speaker: Tim Galarneau- UC Sustainable Foods Campaign Advisor of the UC Santa Cruz Food Systems Working Group Coordinator

Monday, June 26th, 2006
3:30pm-5:00pm

Getting Down to Business, Part II: Establishing Distribution and Sustainable Purchasing Practices on Your Campus

Establishing sustainable purchasing guidelines and an efficient distribution network for your dining service needs can be a formidable challenge. Come prepared to learn how both in-house and contracted dining service programs are overcoming obstacles and achieving innovative partnerships and accomplishments toward sustainability!

Speakers:
Yvonne Macon- Strategic Sourcing Buyer, Dining Services, UC Santa Cruz
Kari Bernardi- Director and Program Coordinator for the Monterey County Farm to School Partnership, CSU Monterey Bay Watershed Institute
Dan Kaupie- General Manager Sodexho Campus Services, California State University Monterey Bay
Dina Izzo- Marketing Coordinator, Agriculture and Land Based Training Association (ALBA)
Anya Fernald- Program Director, Community Alliance With Family Farmers

Moderator: Tim Galarneau- UC Sustainable Foods Campaign Advisor of the UC Santa Cruz Food Systems Working Group Coordinator

Tuesday, June 27th, 2006

1:45pm-3:15pm

Next Steps to Green Dining Certification and Energy Saving Initiatives

This track session will feature Richard Young of the Food Service Technology Center and UC Berkeley’s dining service green certification initiative. Richard Young will share his work and give examples of energy savings processes.

Speakers:
Brian Walker- Housing Facilities Unit Manager, Crossroads UC Berkeley
Richard Young- Senior Engineer and Director, Education at the Food Service Technology Center (FSTC)

Moderator: Tim Galarneau- UC Sustainable Foods Campaign Advisor of the UC Santa Cruz Food Systems Working Group Coordinator

Kari Bernardi
Kari Bernardi has been the Director and Program Coordinator for the Monterey County Farm to School Partnership, at CSU Monterey Bay’s Watershed Institute since October 2003. She works to improve school foods, support garden-based education and activities, link schools to local farmers, and promote farm fresh nutrition education. Before taking this position she worked as a chef and instructor for Living Light Culinary Arts Institute of Mendocino, California directing students and staff in vegan, raw food preparation and technique.

Bonnie Crouse
Bonnie Crouse is the Assistant Director of Residential Dining Services at the University of California, Santa Barbara. Bonnie has 28 years experience in Food Management overseeing the budget, dining renovations and all procurement of equipment, food and supplies for the dining halls, concessions and catering. She currently serves as the co-chair of the UCSB Sustainability Food Change Agent committee and as UCSB’s representative for the UC Strategic Sourcing Group.

Tim Galarneau
Tim Galarneau is a recent alumna of UCSC. He double majored in Intensive Psychology and Community Studies with an emphasis in Agroecology and Social Justice. Mr. Galarneau served as Campaign Coordinator of Students for Organic Solutions, chaired the Student Environmental Center, and was a founder of the Campus Sustainability Council. Tim served as the coordinator for the Food Systems Working Group at UCSC, as well as statewide CSSC advisor for UC Sustainable Food Systems.

Anya Fernald
Anya Fernald has worked for Slow Food in Italy for the past four years, two of which as the Program Director at the Slow Food Foundation. Before that, she worked as Communications Director for CORFILAC, a rural development project in southeastern Sicily. Anya has co-authored a book for Slow Food Editore, and has written for Slow Magazine, the Snail, Saveur, Specialty Food, and other publications.

Dina Izzo
Dina Izzo has 26 years experience in both wholesale and retail produce. She is the Marketing Coordinator for The Agriculture and Land Based Training Association (ALBA). Her work includes marketing and post-harvest education for small immigrant farmers growing sustainably on ALBA’s two farms in the Central Coast of California. She is the director of ALBA Organics, the distribution company that brings these farmers’ produce to hospitals, elementary schools, UCSC and Stanford University.
### Yvonne Macon

Yvonne Macon is a UCSC Strategic Sourcing Buyer. Yvonne has worked closely with UCSC Dining Services in their effort to incorporate sustainability into a newly established supplier base. UCSC 2004 conversion to self operated dining offered a unique opportunity to integrate various sustainable criteria, along with student involvement, in the procurement process.

### Brian Walker

Brian Walker is the General Manager of Crossroads and The Den, the largest Dining Commons at UC Berkeley, serving an average of 2,100 students daily. As a native of the Bay Area, he was inspired to come to Cal Berkeley 20 years ago. His mother, Barbara Walker was retired from Clark Kerr Dining, therefore wanting to make her proud, he worked his way up through the ranks in dining, holding 7 different positions.

### Richard Young

Richard is the Senior Engineer and Director of Education at the Food Service Technology Center (FSTC), an unbiased research facility that focuses specifically on commercial food service applications. The FSTC works at all levels of the industry, from mom-and-pop restaurants to the largest chains. Richard is an electrical engineer and designed cogeneration power plants before joining the FSTC.

### Geraldine McCutcheon

Geraldine has been in the food business for over 30 years. As a stop-gap measure, she started working for the Marriott Corporation at UC Davis after she graduated from UC Berkeley. She enjoyed the work so much she is still doing it! After completing 20 years of service at UC Davis, she moved to UCSC and just finished her tenth year there.

### Daniel Kaupie

Daniel Kaupie is the General Manager of Sodexho Campus Services at CSU Monterey Bay. He is a current member of the On-Campus Sustainability Committee, a member of Farm to College Partnership, and Vice President for Monterey County Habitat for Humanity. Mr. Kaupie is personally committed to the education and reform of corporate purchasing in food service operations and believes that our Universities are the ideal environments to create fiscally viable and sustainable models for our communities to incorporate.

### Scott B. Berlin

Scott Berlin, Director of Dining and Hospitality Services, UC Santa Cruz has been in the hospitality industry for 29 years and has always been committed to improving the dining industry through volunteering. He has been involved with various committees in NACUFS, CRA and UCOP. He introduced CAN Coffee to Dining and Hospitality Services and has worked extensively with student groups.
Recycling: Harbor Room

Monday, June 26th, 2006  
10:30am-12:00pm

Effective Waste Management in Dining Facilities
A panel from three universities will discuss successful programs for minimizing waste and recycling materials in dining operations, including pre and post-consumer composting, food donations, and recycling. Data will be provided on waste diversion and cost savings.

Speakers:
- Jon Root- Manager of Integrated Waste Management & Moving Services, California State University, Long Beach.
- Mark Rousseau- Housing and Residential Services Energy, and Environment Office, UC Santa Barbara
- Robyn Difalco- Associated Students Recycling Coordinator, Environment Office, UC Santa Barbara

Moderator: Jon Root

Tuesday, June 27th, 2006  
10:30am-12:00pm

Waste Recycling in Construction, Demolition & Operations of Campus Buildings
This panel includes speakers who have successfully incorporated plans into their campus operations to prevent disposal of materials. UC Davis has been given a Best Practice Award for its comprehensive, student-run R4 program. Chico State is the Best Practice Award winner for diverting 98% of the Student Services Center construction and demolition waste from the landfill. CSU Long Beach has also been awarded an honorable mention for its very successful recycling program.

Speakers:
- Robert Thacker - Construction Inspector/Project Manager, CSU Chico, Award Winner, Innovative Waste Reduction
- Jon Root- Manager of Integrated Waste Management & Moving Services, California State University, Long Beach
- Honorable Mention, Innovative Waste Reduction

Moderator: Lin King

Tuesday, June 27th, 2006  
1:45pm-3:15pm LOCATION: Lobero Room

Cradle to Cradle: Confronting Electronic Waste
As machines become obsolete and rules on their disposal become more stringent, campuses are eager to deal with electronic waste. From purchase to the point of disposal, end of life management can be incorporated into the initial price, and responsible recycling can be incentivized. This joint session between the Purchasing and Recycling tracks seeks to establish a dialog, working towards new procedures.

Speakers:
- Lin King- Program Manager for the R4 Recycling Program, UC Davis, Award Winner, Innovative Waste Reduction
- Jeff Hunts- Supervisor, Electronic Waste Recycling Program, California Integrated Waste Management Board
- Pam Lombardo- Acting Director, Business Services, UCSB

Moderator: Bill Propst- Director of Purchasing, UCLA

Jon Root

Alec Cooley

Alec Cooley has been involved in the recycling field since 1991. Since 1997 he has managed recycling and waste reduction programs through HSU’s Plant Operations. From 1998 to 2005 Alec was a steering committee member of the California Collegiate Recycling Council, serving as Chair from 2002 to 2003. Most recently, he has served on the Board of Directors of the California Resource Recovery Association since 2002. He is currently President of the organization.

Lisa Bauer

Lisa Bauer has been involved in the recycling and solid waste field for the last 18 years, and in sustainability activities for the last 5 years. She has been the Campus Recycling and Refuse Manager at UC Berkeley for the last 9 years, and in addition to her day job, has co-chaired the Chancellor’s Advisory Committee on Sustainability, and co-teaches several classes each year on environmental sustainability.

Robyn DiFalco

Robyn DiFalco became involved in recycling in 1995 when, as a student, she helped implement a recycling and composting program at CSU, Chico. She later worked in San Mateo as a consultant and commercial recycling coordinator and has recently returned to Chico as coordinator of the campus program she once helped to form.

Rob Thacker

Construction Inspector/Project Manager Robert Thacker chairs the Campus Conservation Committee, prepares the annual AB 75 report and is active in waste diversion efforts at CSU Chico. He will present on the 98% construction demolition diversion achieved in preparation for the new Student Services Center and the challenges to such accomplishments.

Mark Rousseau

Mark Rousseau has been the Energy & Environmental Manager for Housing & Residential Services at UCSB for ten years. He works with Maintenance, Grounds, Housekeeping, Dining Services, Business Services and other campus departments on sustainability projects and programs. This includes efficiency measures with all utilities (electricity, water, gas), transportation, recycling and composting, buying recycled, and green building issues.

Lin King

Lin completed his BS from UC Davis in Environmental Science. He then completed his Masters at CSU Fullerton, focusing on evaluating and reporting the status of recycling programs at all the California State Universities and became the first graduate student recycling coordinator at Fullerton. Lin has managed the R4 Recycling Program at University of California, Davis for ten years and served as Vice President on the California Resource Recovery Association Board and as Chair of the California Collegiate Recycling Council.
Next Steps: Toward Full Sustainability

Your campus has a recycling program, an energy plan, and an environmental degree program or two. What is the next step necessary to reach full sustainability? Speakers will address integrating sustainability into academic strategic goals, campus master plans, and campus sustainability plans.

Speakers:
- Scott McNall- Provost and Vice President for Academic Affairs, Cal State University, Chico
- Marc Fisher- Associate Vice Chancellor, Campus Design and Facilities, UCSB

Moderator: Mark Stemen- Associate Professor of Geography and Coordinator of the Environmental Studies Program, CSU Chico

Putting Policies Into Practice: Implementation Progress on LACCD/UC/CSU Sustainability Policies

The L.A. Community College District passed a ground-breaking green building and clean energy policy in 2002. UC and CSU followed with their own policies in 2003 and 2005, respectively. The administrators overseeing the implementation of the policy goals for each university system will give an overview of their respective implementation efforts.

Speakers:
- Larry Eisenberg- Executive Director, Facilities Planning and Development, LA Community College District
- George Getgen- Director, Facilities Management, UC Office of the President
- Elyra San Juan- Assistant Vice Chancellor, Capital Planning, Design & Construction, CSU Office of the Chancellor

Moderator: Mike Bocchicchio- Assistant Vice President, Facilities Administration, UC Office of the President

Chancellor's Sustainability Committees

All UC campuses have, or are forming, Sustainability Committees comprised of members from across the campus community to advise their Chancellor and top administrators on campus sustainability issues. While each committee is dedicated to campus sustainability, they all have a slightly different focus based on their campus’ priorities. Examples include budgeting processes, procurement, green building policy implementation review, and outreach and education. This panel provides a forum for campuses with Sustainability Committees to learn from the experience of others, while also providing guidance to campuses that are still forming committees.

Speakers:
- Diane Behling- Educational Facility Planner, Capital Planning & Space Management, UCSC
- Vahram Miaschian- Senior Facilities Requirements Analyst, UCSC
- Mo Lovegreen- Executive Officer, UCSB Department of Geography
- Tova Lelah- Assistant Director, Campus and Environmental Planning, UCLA
- Jill Blackwelde- Associate Vice Chancellor, Safety Services, UC Davis
- Judy Chess- Manager for Policy and Programs, Capital Projects, Facilities Services, UC Berkeley

Moderator: Matt St.Clair- Sustainability Specialist, UC Office of the President

Higher Education’s Role as a Leader on Climate Change

Presentations in this session will first provide a compelling case for campuses taking immediate action on climate change; explain how the California Climate Action Registry can help campuses track their emissions; detail what students at UC Santa Barbara have learned about moving their campus towards emissions reduction; and describe how faculty can contribute to the campus movement.

Speaker:
- Rachel Tornoe- Manager of Outreach & Member Services, The California Climate Action Registry
- Bob Wilkinson- Director of the Water Policy Program, Donald Bren School of Environmental Science & Management
- Betty Seto- Masters Student, Campus Climate Neutral Bren Group Project, Donald Bren School of Environmental Science & Management

Moderator: Jim Dewey- Energy and Utility Manager, UC Santa Barbara

Best Practices in Student Sustainability Programs

This session features the Best Practice Award winners in the category of Student Sustainability Programs. The UC award winner, the Residential Sustainability Educator Program is a peer-to-peer education program designed to interactively teach students in the residence halls about sustainability. Alumni of this program have gone on to have a hand in nearly every major sustainability accomplishment on the UC Berkeley campus. The CSU award winner, the Chico State Associated Students Sustainability Program organized a major conference and also passed a student fee referendum creating a committee, a fund, and a funded sustainability coordinator position all as part of the student government. The architects of the successful student referendum at UC Santa Barbara will also be presenting on their program that will provide $182,000 per year for the “The Green Initiative Fund.”

Speaker:
- Courtney Voss- Associated Students President, Chico State, Award Winner, Student Sustainability Programs
- Laura Moreno- Residential Sustainability Education Coordinator, Award Winner, Student Sustainability Programs
- Eric Cummings- Co-chair, Environmental Affairs Board, UC Santa Barbara
- Logan Green- Student, UC Santa Barbara

Moderator: Maria Ledesma- Student Regent Designate, Graduate Student, UCLA

Eric Cummings

Eric Cummings is an undergraduate student at UC, Santa Barbara, studying English. He was recently the co-chair of the Environmental Affairs Board, has been the secretary of Isla Vista Chapter of Surfrider, and Vice Chair of the Isla Vista Parks and Recreational District. He was instrumental in the protection of Claire’s Park, a critical open space habitat in Isla Vista and in the passing of The Green Initiative Fund (TGIF).
Michael J. Bocchicchio A.I.A

Mr. Bocchicchio is Assistant Vice President--Facilities Administration for the University of California System, where he oversees long-range development of facilities and provides policy direction, oversight, and technical assistance for facilities design, construction, building management, real estate, environmental protection, and home loan programs. He has been appointed State Architect of California twice, and was the Regional Director of Planning and Facilities for Kaiser Permanente Medical Care Program, Southern California and University Architect and Executive Director at the University of Southern California.

Jim Dewey

Jim is the Energy and Utility Manager at UC Santa Barbara. Under Jim’s leadership, the UCSB energy team has reduced campus energy by more than 30% over the past 6 years, saving more than $26 million. Before serving at UCSB, Jim was an HVAC and controls contractor, and designed control systems for the Department of Energy, Delco Electronics, Hughes Aircraft, and Orbital Sciences.

Larry Eisenberg

Larry Eisenberg is Executive Director for Facilities Planning and Development for the Los Angeles Community College District. LACCD is currently implementing a $2.2 billion construction program under Larry’s supervision. The LACCD program is presently the largest sustainable development program in the world.

Marc Fisher

Marc Fisher joined UC Santa Barbara in 2002 as Associate Vice Chancellor, Campus Design and Facilities. He has a Masters of Architecture from the University of Pennsylvania. Mr. Fisher is also involved in the Campus Sustainability Plan, Campus Vision Plan, planning for 3,000 units of new faculty, staff and student housing, Long-Range Development Plan, Transportation Alternatives Program, $800 million Capital Program, Campus Recreation Study, and the Infrastructure Master Plan.

George Getgen

George is the Director of Facilities Management at UCOP and oversees the UC systemwide energy management, policies and procedures, sustainability, capital renewal and deferred maintenance needs. Prior to this, George was the Assistant Director of Planning, Design and Construction and Director of the UC PML. He also worked as a project manager at Lawrence Livermore National Laboratory. George holds a BS in Civil Engineering from CSU Chico and a Civil Engineering MS from Berkeley.

Diane Behling

Diane Behling, Capital Planning staff at UCSC, has been integral-ly involved in the creation of the campus sustainability committee. She coordinated the very successful 2005 sustainability conference hosted by UCSC last June. Diane is a Berkeley graduate and has been passionate about the environment since her college days.

Scott G. McNall, Ph.D.

Dr. Scott G. McNall serves as the Provost and Vice President for Academic Affairs, and was the Interim President of California State University, Chico. Dr. McNall also serves as the President of CSU Chico’s Research Foundation, has authored over 60 books, articles, and chapters and has been awarded 20 grants. He has a long-term interest in change and conflict in higher education and a particular interest in sustainability, stewardship of public lands, and the environment.

Mark Stemen, Ph.D.

Mark Stemen is an Associate Professor of Geography and the Coordinator of the Environmental Studies Program at CSU, Chico. His academic interests include environmental literacy, campus sustainability, and getting students engaged in the wider community. “Dr. Mark” is a founding member of North State Renewable Energy, an organization dedicated to expanding solar power in the region. He received an EPA P3 grant to partner students and community members on renewable energy projects.

Rachel Tornek

Rachel Tornek is Manager of Outreach & Member Services at the California Climate Action Registry, a non-profit organization that serves as a voluntary greenhouse gas (GHG) registry to protect, encourage, and promote early actions to reduce GHG emissions. She is responsible for informing the public about the work of the Registry, and works closely with members throughout the GHG reporting process. Rachel earned her MESM at the Bren School of Environmental Science & Management at UCSB and her BS at UCSD.

Robert C. Wilkinson, Ph.D.

Dr. Robert C. Wilkinson is Director of the Water Policy Program at the Bren School of Environmental Science & Management, Lecturer in Environmental Studies, and a Senior Fellow with the Rocky Mountain Institute. He advises government agencies, non-governmental organizations, and businesses on environmental policy matters. Dr. Wilkinson has worked extensively in Western and Central Europe, the former Soviet Union and Central Asia.

Betty Seto

Ms. Seto is a graduating Master’s student at UC Santa Barbara, and a member of the Bren School’s Campus Climate Neutral student team. After graduation, she plans to work for KEMA as an Energy Analyst. Her past related job experiences include U.S. EPA Region 9, World Resources Institute’s Green Power Market Development Group and Zilkha Renewable Energy (now Horizon Wind). She has a BS in Mechanical Engineering from Rice University.

Tova Lelah

For the past 20 years, Tova Lelah has been responsible for complying with State (CEQA) and Federal (NEPA) environmental quality laws applicable to University projects for new buildings, renovations and license agreements. Other responsibilities include the Long-Range Development Plan and Environmental Impact Report. Tova is also a co-chair of Campus Sustainability at UCLA. She has a BS in Economics and an MBA, from UCLA, and is a USGBC LEED™ Accredited Professional, and member of the Association of Environmental Professionals.
<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Role</th>
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<tbody>
<tr>
<td>Mo Lovegreen</td>
<td>Executive Officer in the Department of Geography and serves on the Campus Planning Committee, sub-committee on Sustainability. Mo is the founder of UCSB's Virtual Office of Sustainability and created the Sustainability Working Team. Mo was the Assistant Dean for Planning and Administration at the Donald Bren School of Environmental Science &amp; Management, and was responsible for the greening of Bren Hall, the first laboratory building in the United States to achieve the U.S. Green Building Council’s LEED™ Platinum rating. Mo is a LEED™ Accredited Professional.</td>
</tr>
<tr>
<td>Elyvra F. San Juan</td>
<td>Assistant Vice Chancellor Elyvra F. San Juan leads the Capital Planning, Design and Construction (CPDC) department in providing system-wide management, administration and long-range planning of the physical development aspects of the California State University (CSU). Ms. San Juan provides system-wide policy leadership to the twenty-three campuses and their off-campus centers. Responsibilities include management direction for public/private partnerships, land use, utility management, and maintenance of the system-wide physical plant.</td>
</tr>
<tr>
<td>Matthew St.Clair</td>
<td>Matthew St.Clair is the first Sustainability Specialist for the UC Office of the President. While a graduate student, he spearheaded a successful campaign to get the UC Board of Regents to adopt a comprehensive green building and energy policy. The Office of the President then hired him to work on implementation of the policy. Mr. St.Clair is also a founding member of the Board of Directors for the Association for the Advancement of Sustainability in Higher Education and serves on the Chancellor’s Advisory Committees on Sustainability at three campuses.</td>
</tr>
<tr>
<td>Logan Green</td>
<td>Logan Green graduated this year in Business Economics with an emphasis in Accounting. He has chaired the Parking Rate Payers Board, represented Bus Riders on the Santa Barbara Metropolitan Transportation District, and sat on the Transportation Alternatives and the Isla Vista Recreation and Parks District Boards. He founded the UCSB Carshare Program which increased its membership by 50% this year and now serves 1,264 faculty and staff. He is currently unemployed and looking for a job in Santa Barbara this summer.</td>
</tr>
<tr>
<td>Vahram Massehian</td>
<td>Vahram Massehian is a Senior Facilities Requirements Analyst for UCSF Campus Planning. Vahram helped develop a campus sustainability assessment and is working on pilot projects in the areas of recycling, water and energy conservation. He aided in the development of the LEED™ based evaluation criteria to be used on new construction projects at UCSF. Vahram is also a member of the UCSF Sustainability Committee and Natural Resources Working Group.</td>
</tr>
<tr>
<td>Jill Blackwelder</td>
<td>Jill Blackwelder, Associate Vice Chancellor – Safety Services, joined UC Davis in 2000. Her responsibilities include Environmental Health and Safety, Risk Management, Emergency Management, oversight of the Animal Care and Use Program and Chair of the UC Davis Sustainability Committee. She has a BS in Civil Engineering.</td>
</tr>
<tr>
<td>Judy Chess, LEED™ AP</td>
<td>Judy Chess is the Manager for Policy and Programs for Capital Projects at UC Berkeley. Ms. Chess has worked in campus planning and project management for almost 20 years, and has worked in the private, municipal and campus sectors across several specialty areas, including environmental planning, historical preservation and design for access for persons with disabilities. Ms. Chess is the Co-chair of the Chancellor's Advisory Committee on Sustainability, and is responsible for establishing the Berkeley campus’ Green Building Baseline and implementation.</td>
</tr>
<tr>
<td>Courtney Voss</td>
<td>Courtney Voss is a political science student at CSU, Chico. She was the Associated Students Commissioner of Environmental Affairs, where she developed and implemented sustainability programs including a state-wide sustainability conference called “This Way to Sustainability” and developed and passed a $5 per semester, per student fee increase to support an Associated Students Sustainability Program. She now serves as Associated Students President and encourages everyone to attend “This Way to Sustainability II” at CSU, Chico on November 2-5, 2006.</td>
</tr>
<tr>
<td>Maria C. Ledesma</td>
<td>Maria C. Ledesma is a graduate student pursuing her PhD in education at UCLA. She received her bachelor’s degree in English from UC Berkeley and holds a Masters degree in Education from Harvard University. Ms. Ledesma was appointed in July 2005 by The Regents to serve as the 32nd student Regent beginning July 1, 2006.</td>
</tr>
<tr>
<td>Laura Moreno</td>
<td>Laura Moreno is a third year student at UC Berkeley majoring in Microbial Biology. She is a Student Sustainability Education Coordinator, where she coordinates a peer-to-peer education program in the residence halls that focuses on incorporating sustainability into students’ lives. She is also a member of the Chancellor’s advisory Committee on Sustainability and the Green Room Committee, which developed and implemented the 2006 EPA Award Winning Green Room.</td>
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Rick Fedrizzi, founding chairman of the U.S. Green Building Council (USGBC), was appointed President & CEO of the USGBC in April 2004. Under his leadership, the Council has embarked on a new era of growth, openness, and transparency. With a commitment to organizational excellence and a renewed focus on the Council’s mission and core values, Rick has spearheaded a number of critical initiatives, including a major refinement of the LEED™ Rating System, the Council’s chief tool for market transformation; integration and capacity building for the Council’s 60+ local Chapters to speed regional market transformation; and an internal reorganization to align the Council’s resources with its strategic goals. Since Rick joined the Council, USGBC has launched two new rating systems, LEED™ for Existing Buildings and LEED™ for Commercial Interiors; commenced work on

David Oakey: Monday, Opening Plenary 8:30am-10:00am

David Oakey leads global efforts in sustainable or “smart design” by learning from nature, the study of biomimicry. He is passionately following his steps to sustainability through process, product, and people. Oakey challenges industrial designers, architects, teachers and students to take action and impact change today. Sustainable design must be innovative utilizing efficient use of materials, seeking smart products, and eliminating waste in the process. Respecting the Future is the conscious choice of systems thinking, recognizing how design impacts the world during and after its life cycle. Oakey, educated in carpet design at Kidderminster College, pursued his entrepreneurial dream establishing David Oakey Designs in 1985. Structured for integrated design and development programs, Oakey has created an award winning work environment for design research. Oakey and his philosophies have been featured in Business Week, Fast Company, Interior Design Magazine, New York Times Science, Green Futures Magazine, I.D. Magazine, and The Smithsonian Magazine.

Ernst von Weizsäcker: Monday, Opening Plenary 8:30am-10:00am

Ernst von Weizsäcker is the Dean of the Donald Bren School of Environmental Science & Management. Previously, he served as the Policy Director at the UN Centre for Science and Technology for Development, Director of the Institute for European Environmental Policy, and President of the Wuppertal Institute for Climate, Environment, and Energy. He became a member of the Bundestag, the federal parliament of Germany, where he was Chairman of the Environmental Committee. He has also been a professor of interdisciplinary biology and was the founding president of the University of Kassel in Germany.

Marc Fisher, AIA: Monday, Opening Plenary 8:30am-10:00am

Marc Fisher joined UC Santa Barbara in 2002, as Associate Vice Chancellor, Campus Design and Facilities. He has a Masters of Architecture from the University of Pennsylvania. Mr. Fisher is also involved in the Campus Sustainability Plan, Campus Vision Plan, planning for 3,000 units of new faculty, staff and student housing, Long Range Development Plan, Transportation Alternatives Program, $800 million Capital Program, Campus Recreation Study, and the Infrastructure Master Plan.

Donna Carpenter: Monday, Opening Plenary 8:30am-10:00am

Donna Carpenter is the Vice Chancellor for Administrative Services at UC Santa Barbara. She has been part of the UC system for 33 years, serving as the Controller and Director of Accounting Services at UCSB after 21 prior years at UC Riverside. She holds a BS from Cal Poly, Pomona, and an MBA from the University of LaVerne. Donna has been integral to the current development of the UCSB Sustainability Plan.

Alex Hofmann: Monday, Award Ceremony 6:00pm-8:30pm

Alex Hofmann received his Bachelors from CSUMB in 2005 in Earth Systems Science and Policy, and an Emphasis in Watershed Science. While at CSUMB, he was elected Associated Students’ Environmental Senator and chaired the Environmental Committee, increasing membership by over 70%. Alex was also the co-chair of the Renew CSU student campaign to pass a CSU Sustainability policy, facilitated the replacement of styrofoam with biodegradable products in CSUMB campus dining commons, and co-founded the CSUMB Energy Innovations Fund. He is currently working as a consultant for Applied Solar Energy.

Dorothy Kieu Le: Monday, Award Ceremony 6:00pm-8:30pm

Dorothy Kieu Le is a senior Geography student at UCLA. She is co-chair of E3, a chapter of the California Student Sustainability Coalition (CSSC). She is also a member of Move UC, which helped develop the UC-wide sustainable transportation policy in January. As a rep of E3/ CSSC, she contributed to the UC Sudan Divestment Taskforce and was a 2006 delegate to USSA’s Legislative Lobby Congress in Washington, DC.

Wendell C. Brase: Tuesday, Morning Plenary 8:30am-9:30am

Mr. Brase is Vice Chancellor for Administrative and Business Services at the University of California, Irvine. With 28 years of experience in the UC system, he is responsible for UC Irvine’s administrative, financial, and business services and received the NACUBO Distinguished Business Officer Award in 2002. He has published several articles in Planning for Higher Education and has been a director of the Society for College and University Planning.

S. Richard Fedrizzi (Rick): Tuesday, Morning Plenary 8:30am-9:30am

Rick Fedrizzi, founding chairman of the U.S. Green Building Council (USGBC), was appointed President & CEO of the USGBC in April 2004. Under his leadership, the Council has embarked on a new era of growth, openness, and transparency. With a commitment to organizational excellence and a renewed focus on the Council’s mission and core values, Rick has spearheaded a number of critical initiatives, including a major refinement of the LEED™ Rating System, the Council’s chief tool for market transformation; integration and capacity building for the Council’s 60+ local Chapters to speed regional market transformation; and an internal reorganization to align the Council’s resources with its strategic goals. Since Rick joined the Council, USGBC has launched two new rating systems, LEED™ for Existing Buildings and LEED™ for Commercial Interiors; commenced work on
Perrin Pellegrin: Tuesday, Closing Plenary 3:30pm-4:45pm

Perrin Pellegrin is the Campus Sustainability Manager for the University of California, Santa Barbara. Ms. Pellegrin works to ensure that the U.S. Green Building Council’s (USGBC) LEED™ guidelines are met in all new campus construction projects. She is piloting the LEED™ project manager for the development of the Campus Sustainability Plan.

EB program on campus and is developing the policy implementation with a coalition of individuals and departments. Ms. Pellegrin is also the cations consulting firm. Rick founded Green-Think after a distinguished 25-year career at United Technologies Corporation (UTC), where he prior to his appointment, Rick was the founder and president of Green-Think, an environmentally focused marketing and communications consulting firm. Rick founded Green-Think after a distinguished 25-year career at United Technologies Corporation (UTC), where he served as an in-house environmental marketing consultant. Internally, Rick worked through UTC's engineering, marketing and sales operations to ensure responsible environmental product development and strategy implementation. Externally, Rick worked with government agencies, utility companies and environmental organizations to advance the environmentally responsible HVAC strategies of UTC subsidiary Carrier Corporation, on issues such as energy efficiency, safe refrigerants, acoustics, indoor air quality, thermal comfort and materials. His work resulted in Carrier receiving the U.S. Environmental Protection Agency’s Stratospheric Ozone Protection Award and the U.S. Department of Energy’s National Energy Award for new product development utilizing these strategies.

Rick is the former President of the World Green Building Council (1999-2004), headquartered in Sydney, Australia, and has worked closely with the Chinese government to develop a framework for the creation of a Chinese Green Building Council. He serves on the Board of Directors of several organizations, including the New York Indoor Environmental Quality (NYIEQ) Center, a non-profit corporation pursuing collaborative research and economic development projects related to indoor environmental quality; and The Environmental Project™, an undertaking of the Iowa Child Institute to transform a 30-acre brownfield site into a cutting-edge center for environmental and ecological education and research. Rick is an internationally renowned speaker on green marketing, industrial ecology and sustainable building design. He writes the monthly internet column Greener Facilities for Buildings Magazine, and is a frequent contributor to a wide range of building industry and environmental publications. Rick holds a Bachelor of Science degree in accounting from LeMoyne College and a Master's Degree in Business Administration from Syracuse University.

James Harrison Timberlake, FAIA: Tuesday, Closing Plenary 3:30pm-4:45pm

James Harrison Timberlake received his Bachelor's degree from the University of Detroit, with honors, and his Master of Architecture from the University of Pennsylvania, with honors. He has 28 years of professional experience and along with Stephen Kieran, FAIA, is a founding partner of the firm KieranTimberlake Associates. He is a recipient of the Rome Prize, American Academy in Rome, 1982-83. Prior to his involvement with KieranTimberlake Associates, Mr. Timberlake was employed by Louis Sauer Associates (1976-77) and was an Associate of Venturi, Rauch and Scott Brown (1977-84). A registered architect in Pennsylvania, New Jersey, New York, Delaware, Maryland, Virginia, Vermont and Washington, DC and an NCARB member, he is also an adjunct associate faculty member of the University of Pennsylvania, School of Architecture where he and Steve Kieran lead a graduate research studio that explores the emerging interface between architecture as high art and the integration of developing technologies in materials science and product engineering. In addition, he has served as Eero Saarinen Distinguished Professor of Design at Yale University with Mr. Kieran, and has taught at several universities including Princeton University and the University of Texas at Austin.


The firm’s current projects include a new building for the Sculpture Department and renovations to Silliman College at Yale University; a private residence on Taylor’s Island in Maryland; a new Middle School, Lower School and parking facilities for Sidwell Friends School in Washington D.C.; the final phases of the West Campus Residential Initiative at Cornell University, and the new Suzanne Roberts Theater for the Philadelphia Theatre Company.

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Jefferson Coombs: Tuesday, Closing Plenary 3:30pm-4:45pm

Jefferson Coombs is the President of the Alumni Association of the University of California and a Regent of the University of California. Jefferson graduated from UC Berkeley in 1989 with a Bachelor's degree in Psychology, emphasizing in Organizational Behavior. It is believed he is the youngest Regent in the history of the governing board— not counting the UC Student Regents. Prior to serving on the Board of Regents, Mr. Coombs served in various senior alumni leadership positions for the Cal Alumni Association for nearly 15 years. He was the Cal Alumni Association’s Vice President for Young Alumni affairs for two years, and served as Vice President at Large for the Association for three years as well. A native Northern Californian, Jefferson is an avid outdoorsman and has grown up with a passion for the environment. He is a member of the Sierra Club, Save The Redwood League, The League of Conservation Voters, and The Trust For Public Land.
## New Construction and Major Renovation

<table>
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<tr>
<th>Awards</th>
<th>Winner</th>
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<tbody>
<tr>
<td>Best Lighting Design:</td>
<td>Sonoma State, Campus-wide Lighting Master Plan</td>
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<tr>
<td>Best HVAC Design:</td>
<td>Sonoma State, Salazar and Darwin Hall</td>
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<tr>
<td>Best Integrated Design Process:</td>
<td>UC San Diego, Price Center Expansion</td>
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<td>Best Overall Sustainable Design:</td>
<td>UC Los Angeles, La Kretz Hall</td>
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<td>Sonoma State, Student Recreation Center</td>
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<td>UC San Francisco, HSIR Major Renovation</td>
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<td>Honorable Mentions:</td>
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<tr>
<td>Best HVAC Design:</td>
<td>UC Los Angeles, Kinsey Hall</td>
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<td></td>
<td>CSU Fullerton, Central Plant</td>
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<tr>
<td>Best Overall Sustainable Design:</td>
<td>UC Berkeley, University Village Housing</td>
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## Sustainable Operations

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<tr>
<th>Awards</th>
<th>Winner</th>
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<tbody>
<tr>
<td>Best Lighting Retrofit:</td>
<td>CSU Dominguez Hills, Gymnasium</td>
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<tr>
<td></td>
<td>UC Davis, Student Housing</td>
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<tr>
<td>Best HVAC Retrofit:</td>
<td>Cal Poly San Luis Obispo, Performing Arts Center</td>
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<td></td>
<td>UC San Diego, Cognitive Sciences</td>
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<td>Best Load Management Program:</td>
<td>UC San Diego, Steam Turbine Retrofit</td>
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<td>Innovative Waste Reduction:</td>
<td>CSU Chico, Sutter Block Demolition and Diversion Excursion</td>
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<td></td>
<td>UC Davis, R4 Programs</td>
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<tr>
<td>Best Monitoring Based Commissioning:</td>
<td>UC San Francisco, Rock Hall</td>
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<tr>
<td></td>
<td>San Diego State University, Chemical Sciences Building</td>
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<tr>
<td>Buy Recycled:</td>
<td>Humboldt State University, 100% PCW Paper Policy</td>
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<td></td>
<td>UC Merced</td>
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<tr>
<td>Student Energy Conservation Programs:</td>
<td>CSU San Bernardino, Green Campus</td>
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<td></td>
<td>UC Santa Barbara, Green Campus</td>
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<tr>
<td>Student Sustainability Programs:</td>
<td>CSU Chico, Associated Students Sustainability Program</td>
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<td></td>
<td>UC Berkeley, Residential Sustainability Education Coordinator Program</td>
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## Honorable Mention

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<th>Awards</th>
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<tbody>
<tr>
<td>Best Lighting Retrofit:</td>
<td>UC Irvine, Campus-wide Lighting Retrofit</td>
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<tr>
<td>Best HVAC Retrofit:</td>
<td>UC Santa Barbara, 5 Building VAV Study</td>
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<td></td>
<td>UC Santa Cruz, Earth and Marine Sciences</td>
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<tr>
<td>Best Load Management Program:</td>
<td>UC Los Angeles, Summer HVAC reduction</td>
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<td>Student Energy Conservation:</td>
<td>Cal Poly San Luis Obispo, Engineering Services</td>
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<td></td>
<td>Student Assistant Training Program</td>
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<td>Best Monitoring Based Commissioning:</td>
<td>Humboldt State University, Science Building</td>
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<td></td>
<td>Sonoma State University, Schultz Information Center</td>
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<tr>
<td>Innovative Waste Reduction:</td>
<td>CSU Long Beach, Campus-wide Waste Diversion Programs</td>
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Reduce Waste!

- Unnecessary resource use was reduced in non-usable giveaways and printed handouts (e.g. plastic bags).
- Items produced and used by the conference are ensured to be recyclable and biodegradable, and items used also had a high recycled content.
- A plan was created identifying all types of waste at the conference and how to identify, reduce, reuse, or recycle the waste.
- All pre- and post-consumer food waste will be composted. Thanks to Eriko, Mark & Ric!

The Background Story:

The University Center, where the majority of our events will be held, sends its waste to a Materials Recovery Facility (MRF, pronounced “murph”) where recyclable materials and trash are co-mingled together in trash bins, then separated out at the MRF. This system has helped the University Center address the problem of getting users of the building to separate their waste appropriately and allowed them to increase the amount of recyclables diverted by 25%. Murphing is not used anywhere else on campus.

Food and Beverage Service:

- 70% organic food will be provided throughout the event.
- Local sources of food are used whenever possible.
- Conference Services has provided attendees with event mugs and volunteers have provided signage to remind participants to use their mugs.
- Biodegradable dishes and cutlery will be used for all events.
- Reusable dishes are used wherever possible. For events where it is too expensive to use reusable dishes, we are using biodegradable dishes and cutlery.
- All meals have a vegan option by request.
- Cage free eggs are used when possible. For more information about campuses that have gone cage free, please see http://www.hsus.org/

Energy:

- We prevented 55,680 pounds of CO₂ pollution, which is equivalent to not driving 60,786 miles in the average car, or planting 759 trees to absorb this much CO₂. Thanks to Renewable Choice Energy for donating 40,000 kWh to the Sustainability Conference!
- Participants have the opportunity to donate towards offsetting their own emissions and energy use through the Cleaner and Greener Program of the Leonardo Academy.

Transportation:

- Participants have been given the option to take the bus from the airport to campus and have been provided material to identify the correct bus line. A hybrid vehicle from our campus fleet was used for speakers who were not able to take the bus.
- Participants were encouraged to stay on campus to avoid further commuting and to keep cost of housing low.
- A rideshare and flightshare website http://www.spaceshare.com/ designed by Spaceshare has been used to encourage participants to reduce single vehicle ridership. Please be sure to let us know at the registration desk if you carpooled to get to the conference and we will give you tickets for the caught “green handed” drawing.
- Electric Vehicles from our campus fleet are being used to transport supplies between buildings on campus.
Hotels and Accommodations:

Hotels:
We worked with our local hotels to implement a new Santa Barbara Green Business Program and encourage participants to use the California Green Lodging Program http://www.ciwmb.ca.gov/EPP/GreenLodging/Program to help them to become more environmentally and socially responsible. We have posted information on the registration page about the hotels we recommend.

UCSB Housing:
Manzanita Residence Hall is set along the coastline and is surrounded by vernal pools, native plant habitats, and bioswales to catch rain water run-off. Manzanita Residence Hall provides the following as a function of its normal operations:

- Co-mingled recycling in each room, laundry room, and throughout the site, picked up by an electric vehicle and taken to a central receptacle.
- Energy Star front-loading laundry machines for residents.
- Cards in rooms educating conference participants that sheets and towels will not be laundered unless they are placed on the floor.
- All trash bin liners are high-density using 2/3 less petroleum-based raw material than the low-density liners.

Manzanita has recently switched over to environmentally safe cleaning products. This will be a big help as Manzanita moves towards LEED™ EB standing.

Staff/Volunteers at event:
- Training on the environmental policies of the conference has been provided to all staff and volunteers, particularly the clean-up crew.

Recognition and Awareness:
- We are giving away tickets for a drawing to participants who are caught “green handed” helping with recycling at the event, giving advice to someone else about how to live more sustainability, etc… If you win, you could get prizes from Patagonia® or the UCSB Bookstore!
- Greening information is included in all event communications as well as here at the event.
- A sustainable campus map was created with key points of interest.
- Local bus and bike path maps are available at check-in and throughout the conference.
- Resources that we used to green the conference are highlighted on the website.
- We implemented tracking of what went right/wrong and are keeping track of waste and energy use for the days of the conference, and will post this information on the website following the conference.

Feedback:
- Evaluation feedback is being requested from participants on our conference greening strategies. These strategies were implemented from the National Recycling Coalition.
- An evaluation form for vendors, event staff, hotels, etc… has been created in order to provide feedback on greening and to solicit new ideas.

To make all this happen we need your help! Even in areas of the campus with good access to recycling bins, approximately 30% of the trash in our receptacles is recyclable according to waste audits that have been completed to date on campus. We will be running some audits during the conference and need you to remember and help others to reduce, recycle, and reuse.

This Program was printed on 100% Recycled Paper with Soy-Based Ink on a Waterless Press (thank you Ventura Printing!). Your tote bag and conference pen are made of recycled material donated by AS Recycling. Your Conference folder is made of 100% Recycled Material.
Exhibitor Descriptions

Ambient Air Technologies provides wind tunnel testing for labs and healthcare facilities. Dispersion of toxic or odorous exhausts can be evaluated during design using a physical model in our wind tunnel. It is the largest of its type in North America. Services are provided to universities, health care facilities, and industry throughout the United States.

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bob.clyburn@amtico.com

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C&L Supply Co. represents products that help sustain our natural resources and contribute to LEED™ credits. Waterless No Flash Urinal -- Save up to 45,000 gallons of water, Xlerator Hand Dryer -- Uses 80% less energy than standard dryers, Technical Concepts Touch Free products -- Up to a 70% water savings. Watermiser Waterbroom -- Average of 60% water savings.

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The UC/CSU/IOU and CCC/IOU Energy Efficiency Partnerships are unique, statewide programs to achieve immediate and long-term energy savings and peak demand reduction within California’s higher education system. The combined funding of nearly $70M for the 2006-08 program will establish a permanent framework for sustainable, comprehensive energy management at campuses served by California’s four Investor Owned Utilities (IOUs).

www.cccueee.org/

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(415) 896-0300
andrew_meiman@newcomb.cc

http://uccsuioeu.org/

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B & K M

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B & K M

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Exhibitor Descriptions
DuPont provides environmentally sustainable building solutions for today’s commercial and residential construction. DuPont Building innovations products and systems are designed to work together to create healthier, safer, more energy-efficient buildings and homes. Tyvek HomeWrap, CommercialWrap, StuccoWrap, AtticWrap, ThermaWrap and DuPont Flashing Systems.

www.tyvek.com

Scott Moore
43562 Crystal Cave Circle
Coarsegold, CA 93614
559-285-6074 p
smoore@weatherizationpartners.com

Exhibitor Descriptions
### Exhibitor Descriptions

**Green Touchscreen**
- **Description**: Green Touchscreen is the industry leader in web based educational kiosks with live building data, building directories and 2D/3D animation. We offer a package of exclusive hardware and software that helps teach about green features, provides users with needed information, and helps earn a LEED™ point. Our kiosks can be browsed at any computer, in addition to a touchscreen.
- **Website**: [www.greentouchscreen.com](http://www.greentouchscreen.com)
- **Contact**:
  - Craig Engelbrecht
  - 614 Billy Sunday Road
  - Suite 500
  - Ames, IA 50010
  - 515-956-1599 (p)
  - 515-233-3380 (f)
  - craig@greentouchscreen.com

**Falcon Waterfree Technologies**
- **Description**: The Falcon Waterfree urinal is a revolutionary system that is more hygienic and resistant to vandalism than traditional urinals. Without flush valves, plumbing repairs and emergencies are eliminated. Each urinal saves an average of 40,000 gallons each year. Several models are available that earn LEED™ points and reduce operating costs.
- **Website**: [www.falconwaterfree.com](http://www.falconwaterfree.com)
- **Contact**:
  - Clay Okabayashi/Geoff Spickler
  - 23417 Appelgate Court
  - Murrieta, CA 92562
  - 951-600-5962 (p)
  - clay.1.okabayashi@gm.com

**GM Alternative Fuels**
- **Description**: GM Alternative Fuels is committed to being a leader in providing customer-driven AFVs. Its goal is to provide customers with vehicles that satisfy government mandates and give the same GM reliability, durability, and safety that they have come to expect.
- **Website**: [www.gmaltfuels.com](http://www.gmaltfuels.com)
- **Contact**:
  - Clay Okabayashi/Geoff Spickler
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  - 951-600-5962 (p)
  - clay.1.okabayashi@gm.com

**Interface Engineering**
- **Description**: Based in Portland, Oregon, Interface Engineering, Inc., provides mechanical and electrical engineering services to design projects for campus communities. We have one LEED™ Silver project at Portland State University, and anticipate a LEED™ Gold project at Humboldt State University and a LEED™ Platinum project at Oregon Health & Science University.
- **Website**: [www.interfaceengineering.com](http://www.interfaceengineering.com)
- **Contact**:
  - Renee Boggus
  - 1503 Orchard Hill Road
  - LaGrange, GA 30240
  - 706-812-0908 (f)
  - renee.boggus@us.interfaceinc.com

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- **Description**: At Interface Flooring Systems, we are committed to doing business with an awareness of how our actions affect nature's balance. To us, sustainability represents a process of changing our company to eliminate environmental impact and to help restore our world. Interface is committed to doing well by doing good.
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- **Contact**:
  - Renee Boggus
  - 1503 Orchard Hill Road
  - LaGrange, GA 30240
  - 706-812-6185 (p)
  - renee.boggus@us.interfaceinc.com
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Exhibitor Descriptions
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www.waterless.com

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- Bamboo used for merchandising and gifts is one of the most sustainable natural resources.
- Numi does not follow the trend of using “silly” (nylon-based) tea bags.
- Numi was a 2005 WRAP winner – Waste Reduction Award Program by the state of California.

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We would also like to thank:

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#### Monday, June 26th, 2006
**10:30am-12:00pm**

**Monitoring-Based Commissioning (MBCx): Success Stories from a Promising New Efficiency Program**

UC and CSU campuses are collaborating with energy utilities in an innovative program to retro-commission buildings with the assistance of permanently installed energy monitoring. Best Practice Award winners will describe their 2004-2005 energy saving projects, along with a program overview and a look at opportunities for project funding in 2006-08.

**Speakers:**
- Bill Lekas- Energy Manager, Physical Plant, San Diego State University, Award Winner, Best Monitoring Based Commissioning
- Sukhjeet Sandhu P.E.- Associate Director of Engineering, Capital Projects and Facilities Management, UC San Francisco, Award Winner, Best Monitoring Based Commissioning

**Moderator:** Karl Brown- Deputy Director, California Institute for Energy and Environment

#### Monday, June 26th, 2006
**1:45pm-3:00pm**

**Renewable Energy: From Down in the Trenches to What’s on the Horizon**

The State of California, the University of California, and the California State University system, as well as many other public entities, are in the process of developing large third party owned solar PV projects. This panel will concentrate on “lessons learned” from recently developed solar PV projects at public institutions in the state with an eye to improving the process in the future. The session will also include a presentation on new and emerging solar technologies from the APS STAR solar research center in Tempe, Arizona.

**Speakers:**
- Lucinda Andreani- Independent Energy Consultant
- Patrick McCoy- Department of General Services, State of California
- Thomas Blair- Energy Administrator & DeputyEnvironmental Service Director, City of San Diego
- Herb Hayden- Solar Program Coordinator, Arizona Public Service STAR, Solar Research Center

**Moderator:** Marie Munn- Associate Director of Energy and Utilities, UCOP

#### Monday, June 26th, 2006
**3:30pm-5:00pm**

**Today’s High Performance Labs: The Energy Challenge**

Intensive ventilation requirements and increasing plug loads make today’s laboratories the single largest campus energy consumer. The challenge is to design and operate energy efficient labs, while still maintaining high performance, comfort, and safety standards. This session presents some of the latest strategies and best practices for optimizing laboratory energy performance.

**Speakers:**
- Craig Johnson- Mechanical Engineer, UCSD Award Winner, Best HVAC Design
- Bill Cowdell- Director of Quality Assurance, Design and Construction Services, Facilities Management UC Irvine
- Richard Yardley- Mechanical Engineer, Neumatic Engineering

**Moderator:** Dale Sartor- Team Leader for the “Applications Team” LBNL

#### Tuesday, June 27th, 2006
**10:30am-12:00pm**

**Computers and Servers: Technology and Energy Crosscutting**

Undeniably, computers and technology have had many benefits, but often the energy impacts are not well understood. This session will provide a discussion of the HVAC energy impacts and direct energy impacts of the growth in use of computers on university campuses. CSU has developed a number of energy efficiency responses to this challenge. CSU San Bernardino is installing an innovative server and network energy efficiency software package. The CSU has just completed telecommunications infrastructures upgrades at most campuses and has a number of lessons learned and best practices to share.

**Speakers:**
- Satinder Gulati- University Engineer, CSU, Office of the Chancellor
- Dale Gauthier- Project Manager, DMJM Harris
- Jeff Whitman- Info Tech Consultant, CSU San Bernardino

**Moderator:** Len Pettis- Chief of Plant, Energy and Utilities, CSU Office of the Chancellor

#### Tuesday, June 27th, 2006
**1:45pm-3:15pm**

**Green Campus and Energy Star Programs: Opportunities for Individuals to Act**

The Green Campus program seeks to empower students to stimulate energy savings in campus buildings and educate the campus community about the reasons and methods for saving energy. In conjunction, the Energy Star Dorm Room program seeks to demonstrate the energy savings potential of Energy Star labeled products and to educate the public about how to purchase energy efficient products.

**Speakers:**
- Judi Quach- Assistant Project Coordinator, Strategic Energy Innovations
- UC/CSU Green Campus Best Practice Awardees
- Ryan Schauland- Green Campus Program Intern, UC Santa Barbara, Award Winner
- Felicity Blue -Green Campus Program Intern, UC San Bernardino, Award Winner
- Oksana Harris -Green Campus Program Intern, CSU San Bernardino, Award Winner

**Moderator:** Andy Coghlan- Green Campus Program Associate, Alliance to Save Energy

#### Tuesday, June 27th, 2006
**1:45pm-3:15pm**

**Renewable Energy: From Down in the Trenches to What’s on the Horizon**

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- Thomas Blair- Energy Administrator & Deputy Environmental Service Director, City of San Diego
- Herb Hayden- Solar Program Coordinator, Arizona Public Service STAR, Solar Research Center

**Moderator:** Marie Munn- Associate Director of Energy and Utilities, UCOP
Procurement: Lobero Room

Monday, June 26th, 2006
10:30am-12:00pm
The Sustainability of Markets: An Overview of Environmentally Preferred Purchasing

Our Universities are an ideal environment for the expansion of purchasing practices that incorporate sustainable design. Higher education and its institutions are symbols for intellectual, technological, and individual growth; they are both well-regarded and highly visible to our local and global communities. Moreover, university purchasing power presents us with both a critical responsibility and an exciting opportunity. This session will introduce Environmentally Preferable Procurement as a strategic business approach for the future, and discuss its implementation from the national to local level, as well as the significant strides being made across the UC and CSU systems.

Speakers:
Timonic Hood- Green Building Coordinator, US Environmental Protection Agency, Region 9
Haggai Haggai- Director of Strategic Sourcing UC Office of the President
Ashleigh Talkerth- Green Campus Program Intern, Student, UC Santa Barbara

Moderator: Scott MacKenzie- Sustainable Procurement Coordinator, UC Santa Barbara

Monday, June 26th, 2006
1:45pm-3:00pm
Buying Green: Campus Success Stories

This session will share the success stories of campuses moving towards responsible purchasing—from the level of individual students to an entire campus: UC Merced has been a UC/CSU Best Practice Award for its institutional commitment to environmental stewardship that extends to everything the campus buys. Humboldt State University is also receiving a UC/CSU Best Practice Award for shifting their entire campus to using only 100% post-consumer recycled content paper. UC Berkeley is modeling purchasing decisions at the level of individual students with the first model green residence hall room in the country.

Speakers:
Cindi Deegan- Director of Purchasing, UC Merced, Award Winner, Buy Recycled
Alec Cooley- Solid Waste Reduction Manager, Humboldt State University, Award Winner, Buy Recycled
Desirae Eatly- Student, Green Campus Program Coordinator, UC Berkeley
Lesley Clark- Commodity Manager, Strategic Sourcing, UC Office of the President

Moderator: Gary Hopper- Director of Purchasing, UC Santa Cruz

Monday, June 26th, 2006
3:30pm-5:00pm
A Path Forward: Criteria to Contracts

Establishing appropriate criterion and specifications can be an overwhelming task. This session will provide insight into the specification process for RFP’s and contracts, as well as an overview of the tools and resources that make the process move more smoothly. Speaker Craig Duehring from the Department of General Services for the State of California has done extensive work on putting together an EPP Best Practices Manual, and speaker Kirsten Ritchie with Scientific Certification Systems has a wealth of knowledge surrounding environmental specifications and ensuring the appropriate criteria make it into the procurement process.

Speakers:
Craig Duehring- State Procurement Engineer, California Department of General Services
Kirsten Ritchie- Director of Environmental Claims, Scientific Certification Systems

Moderator: Lesley Clark- Procurement Analyst, UC Office of the President

Tuesday, June 27th, 2006
10:30am-12:00pm
Effective Implementation: Green Cleaning

The benefits of using Green Cleaning Chemicals has become increasingly evident: improved health and worker conditions, better indoor air quality, equal performance and an environmentally preferable option that meets needs of its use. Today, numerous campuses are making the transition towards environmentally preferable chemicals. Implementing a green cleaning program requires multiple considerations be taken into account. They range from product testing to employee training. This session will present several case studies in making the ”green” transition, as well as share ideas and strategies with other campuses on how to move in the same direction.

Speaker:
James Madison- Operations Manager, Interim Assistant Associate Director, Physical Plant, Campus Services, Custodial Services, UC Berkeley
John J. Russell- Senior Project Manager, The Askin Group, LLC.
Thomas Beland- Assistant Director, Custodial & Landscaping, H&RS, UCSB

Tuesday, June 27th, 2006
1:45pm-3:15pm
Cradle to Cradle: Confronting Electronic Waste

Electronic waste is a growing issue at Universities across the country. With machines rapidly becoming obsolete and guidelines on their disposal becoming increasingly stringent, campuses are feeling the crunch and are eager to take the next crucial steps to tackle the issue. From the purchase to the point of disposal, effective end of life management can be incorporated into the initial price of the item being purchased, and responsible recycling can be ensured by all participating parties. This is a joint session between the Purchasing and Recycling tracks that seeks to establish a dialog between our campus end-users and vendors, laying a foundation for the next steps forward.

Speakers:
Lin King- Program Manager for the R4 Recycling Program at UC Davis, Award Winner, Innovative Waste Reduction
Jeff Hunts- Supervisor, Electronic Waste Recycling Program, California Integrated Waste Management Board
Pam Lombardo- Acting Director, Business Services, UCSC

Moderator: Bill Propst- Director of Purchasing, UCLA