Working our way to Zero

- potable water for landscapes
- volatile organic compounds
- GHG emissions
- virgin paper
- pesticides
- waste
# The 8th Annual UC/CSU/CCC Sustainability Conference

UC Santa Barbara, June 21-24, 2009

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We would like to acknowledge our steering committee, which helped us immensely in designing an inspiring program and making this conference possible.

**Steering Committee List**

**Ann McCormick**  
Principal  
Newcomb | Anderson | McCormick  
CCC/IOU Partnership  

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Student Regent  
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**Ron Cortez**  
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Administrative Services  
UC Santa Barbara  

**Tinnah Medina, LEED™ AP**  
University Planner  
CSU Office of the Chancellor  

**Warren Jacobs, LEED™ AP**  
University Architect  
CSU Office of the Chancellor  

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**UCSB Campus Sponsors:**

- Administrative Services
- College of Creative Studies
- College of Engineering
- Donald Bren School of Environmental Science & Management
- Geography
- Student Affairs
Special Thanks to:

UC/CSU/IOU Energy Efficiency Partnership
CCC/IOU Energy Efficiency Partnership
PIER State Partnership for Energy Efficiency Demonstrations

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![10h+k](image2.jpg)

Silver Sponsors

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![P2S Engineering](image4.jpg)
![Siemens](image5.jpg)

Blue Sponsors

![All-Phase Electrical Supply Co.](image6.jpg)
![Canon](image7.jpg)
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![Flad Architects](image9.jpg)
![Heery](image10.jpg)
![Steelcase bkm](image11.jpg)
![WRNS Studio LLP](image12.jpg)
![Waxie Sanitary Supply](image13.jpg)

Green Sponsors

![APP](image14.jpg)
![Challenge](image15.jpg)
![Dovetail DCI](image16.jpg)
![FuelCell Energy](image17.jpg)
![Itron](image18.jpg)
![Mithun](image19.jpg)

In-Kind Sponsors

<table>
<thead>
<tr>
<th>Blenders</th>
<th>Isla Vista Food Coop</th>
<th>The Isla Vista Bike Boutique</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sierra Nevada Brewing Company</td>
<td>Steaz Soda</td>
<td>UCSB Bookstore</td>
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</tbody>
</table>
Throughout this conference, we hope to both create a space to share best practices and to have that space in and of itself be part of the solution. These are some of our accomplishments:

**Virtual Conference**

- Webcasted and podcasted 14 sessions, including all of the keynote presentations at the conference for free to everyone at sustainability.ucsb.edu/conference.
- Allowed speakers who could not travel to the conference to speak from their home location and to be broadcast at the conference.
- Planned the conference primarily through conference calls and electronic means.
- Set up a social networking site for the conference, through a service called “Ning,” where participants and people unable to attend the conference can discuss issues of campus sustainability.

**Waste Reduction**

- Created a waste minimization and recycling strategy early in conference planning, with the goals of minimizing waste, providing adequate recycling for all materials that would enter the waste stream, and raising awareness about recycling practices.
- Ensured that as much of the materials the conference organizers used and/or provided as possible was recyclable or biodegradable and had high recycled content.
- Printed the program and handouts on 100% recycled content paper.
- Requested that exhibitors not distribute non-useable give-aways or unrecyclable brochures.
- Provided recycling bins for glossy paper in the exhibitor area to encourage recycling of this more challenging paper type.
- Encouraged speakers and exhibitors to make materials available online rather than in print form.
- Eliminated tote bags and conference mugs from give-aways this year, and encouraged participants to bring their own.
- Asked conference participants to return their name badges at the end of the conference for re-use in future events.
- Plan to perform a waste audit the day after the event, in order to track the success of the recycling program.

**Food and Beverage Service**

- Provided 100% Organic Produce and Dairy Products.
- Ensure that all eggs served were cage-free, that the chicken was free range, and that seafood was fished sustainably.
- Ensured that all coffee and tea met fair trade standards.
- Eliminated red meat at all catered events.
- Offered a vegan option for all meals.
- Eliminated trays at cafeteria style meals. Many campuses have found that, without trays, people who are dining tend to take more reasonable amounts of food, thus reducing waste.

**Energy**

- Collected data required to calculate the energy use and CO₂ emissions related to the conference. This will help us to track our progress and to eventually become a truly zero emissions event.

**Transportation**

- Encouraged participants to carpool and/or take the train, bus, or bike to the conference.
- Incorporated information on carpooling and other forms of alternative transportation in all emails and informational materials regarding the conference.
- Embedded a way to register for carpooling in the main registration system for the conference.
- Used electric vehicles to transport supplies between buildings on campus.
- Encouraged participants to bike to the conference by offering support in the form of trip planning and connections with biking experts.
- Tracked the mode split of conference participants and, after the conference, will calculate the impact of travel to the conference and the effectiveness of our carpooling system.
Rideshare Program

This year, we implemented a new rideshare program in an attempt to reduce the carbon footprint of transportation to the conference. Often times, ridesharing programs have difficulty getting enough initial users to jumpstart the program. We overcame this challenge by collecting data as participants registered and matched them with other potential carpoolers.

We would like to thank Zimride for their support in developing a program unique to our event.

Hotels and Accommodations

- Encouraged participants to stay on campus to avoid further commuting and to keep the cost of housing low.
- Offered a subsidized housing option for students to make the event more affordable.

Accessibility to People of all Abilities and Affordability

- Planned ahead to make sure that we could meet the needs of our conference participants, setting aside adequate money for sign language translation and wheelchair-accessible vans. This prepared us to be able to meet most accessibility needs that might be requested. Offered Sign-Language Translation.
- Subsidized student registration fees to keep their costs $300 less than regular conference participants and reduced housing costs significantly for students.
- Created a scholarship fund of $8000 to provide support to any conference participants who needed financial aid in attending the event.

Staff/Volunteers at the Event

- Provided training to all staff and volunteers on environmental policies of the conference, particularly the clean-up crew.

Recognition and Awareness

- Gave away drawing tickets to participants who were caught “green-handed,” which helped to make the event more sustainable.
- Posted guides to green event planning on our website, including information on how we made our event more sustainable.
- Kept track of how successful we were in meeting our sustainability goals and will use this data to establish better policies and procedures for future conferences.

Feedback:

- Surveyed participants on what worked and what didn’t in terms of the conference greening.
- Created evaluations for exhibitors, event staff, hotels, etc. so that they can give feedback on the greening efforts and offer new ideas.
## Overall Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Sunday, June 21, 2009</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30am-5:00pm</td>
<td>Green Building Operations and Maintenance&lt;br&gt;The LEED™ Implementation Process (USGBC)</td>
<td>Harbor Room</td>
</tr>
<tr>
<td>9:00am-3:00pm</td>
<td>Curriculum Development Workshop</td>
<td>State Street Room</td>
</tr>
<tr>
<td>12:00pm-5:00pm</td>
<td>Sustainability Officers Meeting</td>
<td>McCune Conference Room</td>
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<tr>
<td>12:00pm</td>
<td>Exhibitor Set-Up Opens</td>
<td>Storke Plaza</td>
</tr>
<tr>
<td>1:00pm-5:45pm</td>
<td>Green Campus Program Meeting</td>
<td>Bren Hall 1424</td>
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<tr>
<td>2:00pm-3:00pm &amp;</td>
<td>Tour of the Campus Lagoon</td>
<td>Manzanita Village Bus Loop</td>
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<tr>
<td>3:30pm-4:30pm</td>
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<tr>
<td>2:00pm-3:00pm &amp;</td>
<td>Tour of the San Clemente Restoration Project</td>
<td>Manzanita Village Bus Loop</td>
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<tr>
<td>3:30pm-4:30pm</td>
<td></td>
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</tr>
<tr>
<td>2:00pm-3:30pm</td>
<td>Fairview Gardens Tour ($10)</td>
<td>Manzanita Village Bus Loop</td>
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<tr>
<td>5:00pm</td>
<td>Exhibitor Set-up Closes</td>
<td>Storke Plaza</td>
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<tr>
<td>5:00pm</td>
<td>Registration Opens</td>
<td>Storke Plaza</td>
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<tr>
<td>5:00pm-8:00pm</td>
<td>Welcome Reception</td>
<td>Storke Plaza</td>
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<tr>
<td>6:00pm-7:15pm</td>
<td>Dinner in the Dining Commons for participants staying on campus</td>
<td>Carrillo Dining Commons</td>
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<tr>
<td>6:00pm-7:15pm</td>
<td>Green Campus Meeting</td>
<td>Lookout Mountain Room</td>
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<tr>
<td>8:00pm</td>
<td>Registration Closes</td>
<td>Storke Plaza</td>
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<table>
<thead>
<tr>
<th>Time</th>
<th>Monday, June 22, 2009</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>7:00am-8:15am</td>
<td>Breakfast for participants staying on campus</td>
<td>Carrillo Dining Commons</td>
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<tr>
<td>7:30am</td>
<td>Registration Opens</td>
<td>Storke Plaza</td>
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<tr>
<td>8:00am</td>
<td>Exhibit Hall Opens</td>
<td>Storke Plaza</td>
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<tr>
<td>8:00am</td>
<td>Canon Business Office Opens</td>
<td>Mission Room</td>
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<tr>
<td>8:00am-9:00am</td>
<td>Welcome and Opening Plenary</td>
<td>Campbell Hall</td>
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<tr>
<td>9:00am-10:00am</td>
<td>Morning Break</td>
<td>Storke Plaza</td>
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<tr>
<td>10:00am-11:30am</td>
<td>Educational Track Sessions #1</td>
<td>Various Locations (See Tracks)</td>
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<tr>
<td></td>
<td>A Professor, a Green Building Team, and Life-Cycle Costing (Green Building New Construction)</td>
<td>Corwin Pavilion East</td>
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<td></td>
<td>Innovative Technologies in Labs and Data Centers (Energy)</td>
<td>Corwin Pavilion West</td>
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<td></td>
<td>Rethinking Diversion Rates and Innovations in Waste Management (Waste Reduction and Recycling)</td>
<td>Flying A Room</td>
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<td>Student Leadership in Sustainability Curriculum, Funding, and Freshman Orientation (Student Affairs)</td>
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<td></td>
<td>Equitable Housing and Development Practices (Social Equity)</td>
<td>State Street Room</td>
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<td></td>
<td>Emerging Technologies (Water)</td>
<td>MCC Theater</td>
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<td></td>
<td>Energy Efficiency and Climate Plans in Hospital and Laboratory Settings (Health)</td>
<td>Bren Hall 1414</td>
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<tr>
<td>11:45am-12:45pm</td>
<td>PIER 50% Savings Solutions and Potential for a Zero Net Energy Recreational Center at UCSB (Sponsor Session)</td>
<td>Corwin Pavilion East</td>
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<td></td>
<td>The CCC/IOU Energy Efficiency Partnership: Sustainability in Higher Education (Sponsor Session)</td>
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<th>Time</th>
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<th>Location</th>
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<tbody>
<tr>
<td>11:45am-12:45pm</td>
<td>Navigating Towards Zero: A Roadmap to Sustainability</td>
<td>MCC Theater</td>
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<td>(Sponsor Session)</td>
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<td></td>
<td>Tour of the San Clemente Restoration Project</td>
<td>Manzanita Village Bus Loop</td>
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<td></td>
<td>Tour of the Interdisciplinary Humanity Center’s Sustainable Office</td>
<td>Manzanita Village Bus Loop</td>
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<tr>
<td>12:30pm-2:00pm</td>
<td>Lunch for All Participants</td>
<td>Carrillo Dining Commons</td>
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<tr>
<td>2:15pm–3:30pm</td>
<td>Educational Track Sessions #2</td>
<td>Various Locations (See Tracks)</td>
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<td></td>
<td>Climate Action Planning (Institutionalizing Sustainability)</td>
<td>Corwin Pavilion East</td>
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<td></td>
<td>Overall Sustainable Design (Best Practice Awards)</td>
<td>Corwin Pavilion West</td>
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<td>Closed Loop Procurement (Procurement)</td>
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<td>Case Studies on Infusing Sustainability into Curriculum</td>
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<td></td>
<td>(Research and Curriculum)</td>
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<td></td>
<td>Student Presentations on Sustainable Transportation (Transportation)</td>
<td>State Street Room</td>
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<tr>
<td></td>
<td>LEED™ EB Case Studies (Green Building Operations, Maintenance, and Renovations)</td>
<td>MCC Theater</td>
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<td></td>
<td>Sustainable Dining Service Operations (Food Systems)</td>
<td>Bren Hall 1414</td>
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<tr>
<td>3:30pm–4:00pm</td>
<td>Afternoon Break</td>
<td>Storke Plaza</td>
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<tr>
<td>4:00pm–5:15pm</td>
<td>Educational Track Sessions #3</td>
<td>Various Locations (See Tracks)</td>
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<tr>
<td></td>
<td>Student-Led Office Greening and Building Greening Programs</td>
<td>Corwin Pavilion East</td>
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<td></td>
<td>(Green Building Operations, Maintenance, and Renovations)</td>
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<td></td>
<td>HVAC Design and Retrofit (Best Practice Awards)</td>
<td>Corwin Pavilion West</td>
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<td></td>
<td>Student-Run Recycling Programs; Innovative Techniques, Opportunities for Growth, and</td>
<td>Flying A</td>
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<td></td>
<td>Evaluation (Waste Reduction and Recycling)</td>
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<td></td>
<td>Applying Transportation Research in Policy and Practice (Research and Curriculum)</td>
<td>Harbor Room</td>
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<td>Green Collar Jobs (Social Equity)</td>
<td>State Street Room</td>
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<td></td>
<td>System-Wide Green Building Solutions (Green Building New Construction)</td>
<td>MCC Theater</td>
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<td></td>
<td>Food Procurement (Food Systems)</td>
<td>Bren Hall 1414</td>
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<tr>
<td>5:00pm</td>
<td>Exhibit Hall Closes</td>
<td>Storke Plaza</td>
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<tr>
<td>5:00pm</td>
<td>Canon Business Center Closes</td>
<td>Mission Room</td>
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<tr>
<td>5:00pm</td>
<td>Registration Closes</td>
<td>Storke Plaza</td>
</tr>
<tr>
<td>5:00pm-8:00pm</td>
<td>Exhibitor Security</td>
<td>Storke Plaza</td>
</tr>
<tr>
<td>5:15pm–6:30pm</td>
<td>Poster Show</td>
<td>Storke Plaza</td>
</tr>
<tr>
<td>6:30pm-9:00pm</td>
<td>Reception and Awards Dinner</td>
<td>Ocean Lawn</td>
</tr>
<tr>
<td>9:00pm-10:00pm</td>
<td>Energy-efficiency in Action! A PIER Technology Showcase at UCSB (Tour)</td>
<td>Stage at the Awards Dinner</td>
</tr>
<tr>
<td>9:00pm-11:00pm</td>
<td>Eating Alaska (Film Showing)</td>
<td>Anacapa Recreation Room</td>
</tr>
<tr>
<td>9:00pm-11:30pm</td>
<td>Star Gazing in the Mountains</td>
<td>Vans leaving from Manzanita Bus Loop at 9pm. If you would like to travel with the vans, please sign-up at the registration desk.</td>
</tr>
</tbody>
</table>
### Schedule (continued)

<table>
<thead>
<tr>
<th>Time</th>
<th>Tuesday, June 23, 2009</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00am-8:15am</td>
<td>Breakfast for participants staying on campus</td>
<td>Carrillo Dining Commons</td>
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<tr>
<td>7:30am</td>
<td>Registration Opens</td>
<td>Storke Plaza</td>
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<tr>
<td>8:00am</td>
<td>Exhibit Hall Service Opens</td>
<td>Storke Plaza</td>
</tr>
<tr>
<td>8:00am</td>
<td>Canon Business Center Opens</td>
<td>Mission Room</td>
</tr>
<tr>
<td>8:30am–9:30am</td>
<td>System Wide Perspectives on Sustainability (Plenary)</td>
<td>Campbell Hall</td>
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<tr>
<td>9:30am-10:30pm</td>
<td>Morning Break</td>
<td>Storke Plaza</td>
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<tr>
<td>10:30am-11:45am</td>
<td>Educational Track Sessions #4</td>
<td>Various Locations (See Tracks)</td>
</tr>
<tr>
<td></td>
<td>Campus Sustainability Plans (Institutionalizing Sustainability)</td>
<td>Corwin Pavilion East</td>
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<td></td>
<td>Lighting Design and Retrofit and MBCx (Best Practice Awards)</td>
<td>Corwin Pavilion West</td>
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<tr>
<td></td>
<td>Greenwashing (Procurement)</td>
<td>Flying A Room</td>
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<td></td>
<td>Student-Led and Service Learning Curriculum (Research and Curriculum)</td>
<td>Harbor Room</td>
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<td></td>
<td>Saving Green by Being Green (Transportation)</td>
<td>State Street Room</td>
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<td></td>
<td>Low-Impact Development (Water)</td>
<td>MCC Theater</td>
</tr>
<tr>
<td></td>
<td>Climate Action Plans and Waste Management Strategies for Medical Facilities (Health)</td>
<td>Bren Hall 1414</td>
</tr>
<tr>
<td>12:00pm-1:30pm</td>
<td>Lunch for All Participants</td>
<td>Carrillo Dining Commons</td>
</tr>
<tr>
<td>1:00pm-2:00pm</td>
<td>Tours / Interactive session</td>
<td></td>
</tr>
<tr>
<td></td>
<td>You CAN pull $Millions out of thin air on your campus! (Sponsor Session)</td>
<td>Corwin Pavilion East</td>
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<td></td>
<td>Tour of the Campus Lagoon</td>
<td>Manzanita Village Bus Loop</td>
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<td>Tour of the Interdisciplinary Humanity Center's Sustainable Office</td>
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<td></td>
<td>Energy-efficiency in Action! A PIER Technology Showcase at UCSB</td>
<td>Meet at PIER Booth</td>
</tr>
<tr>
<td>2:15pm-3:30pm</td>
<td>Educational Track Session #5</td>
<td>Various Locations (See Tracks)</td>
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<tr>
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<td>Examples of Institutionalizing Sustainability Throughout All Aspects of an Organization (Institutionalizing Sustainability)</td>
<td>Corwin Pavilion East</td>
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<td></td>
<td>Demonstrated Energy Efficient Lighting and HVAC Technologies (Energy)</td>
<td>Corwin Pavilion West</td>
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<td>Green Cleaning (Procurement)</td>
<td>Flying A</td>
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<td></td>
<td>Best Practice Awardees for Student Sustainability Programs (Student Affairs)</td>
<td>Harbor Room</td>
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<td>Tools for Reducing GHG from Transportation: Climate Action Plans (Transportation)</td>
<td>State Street Room</td>
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<td></td>
<td>LEED™ CI Case Studies (Green Building Operations Maintenance and Renovations)</td>
<td>MCC Theater</td>
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<td></td>
<td>Sustainable Food Education (Food Systems)</td>
<td>Bren Hall 1414</td>
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(Tuesday schedule continues on next page)
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<tr>
<th>Time</th>
<th>Tuesday, June 23, 2009</th>
<th>Location</th>
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<tbody>
<tr>
<td>3:00pm</td>
<td>Canon Business Center Closes</td>
<td>Mission Room</td>
</tr>
<tr>
<td>3:00pm</td>
<td>Exhibit Hall Closes</td>
<td>Storke Plaza</td>
</tr>
<tr>
<td>3:45pm-5:00pm</td>
<td>Closing and Action-Planning Plenary</td>
<td>Campbell Hall</td>
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<tr>
<td>3:30pm</td>
<td>Exhibitor Breakdown</td>
<td>Storke Plaza</td>
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<tr>
<td>5:00pm</td>
<td>Registration Closes</td>
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<tr>
<td>5:45pm-7:15pm</td>
<td>Late Departure Dinner for participants</td>
<td>De La Guerra Dining Commons</td>
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<tr>
<td>8:00pm-11:00pm</td>
<td>Open Mic Night</td>
<td>The Hub, UCen</td>
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<tr>
<th>Time</th>
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<tr>
<td>7:30am-9:00am</td>
<td>Late Departure Breakfast for participants staying on campus</td>
<td>De La Guerra Dining Commons</td>
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<tr>
<td>9:00am-1:00pm</td>
<td>Understanding LEED™ Project Costs and Returns (USGBC)</td>
<td>Harbor Room</td>
</tr>
<tr>
<td>8:00am-12:00pm</td>
<td>The 3rd Annual Beyond Fire Workshop</td>
<td>Bren Hall 1414</td>
</tr>
<tr>
<td>8:30am-3:00pm</td>
<td>Using LEED™ CI to Green Campus Renovation Projects</td>
<td>State Street Room</td>
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<tr>
<td>8:30am-3:00pm</td>
<td>(UC/CSU/IOU Energy Efficiency Partnership Program)</td>
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<tr>
<td>9:00am-1:00pm</td>
<td>Student Convergence</td>
<td>McCune Conference Room</td>
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<tr>
<td>11:30am-1:30pm</td>
<td>Late Departure Lunch for participants</td>
<td>De La Guerra Dining Commons</td>
</tr>
<tr>
<td>3:00pm</td>
<td>Conference Closes</td>
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</tbody>
</table>

*The University of California, Project Management Institute is a Registered Provider with The American Institute of Architects Continuing Education Systems. Credit earned on completion of this event will be reported to CES Records for AIA members by the Provider. Certificates of Completion for non-AIA members are available upon request.*
Keynote Sessions

Welcome and Opening Plenary
Monday, June 22nd
8:00-9:00am
Campbell Hall

Speakers:

Ron Cortez, Co-Chair, Chancellor’s Campus Sustainability Committee, Associate Vice Chancellor, Administrative Services, UC Santa Barbara

Bonnie Reiss, Regent, University of California

Dave Newport, Director, Environmental Center, University of Colorado Boulder

Biographies:

Ron Cortez, Co-Chair, Chancellor’s Campus Sustainability Committee, Associate Vice Chancellor, Administrative Services, UC Santa Barbara

Ron Cortez was appointed as the Associate Vice Chancellor for Administrative Services, for UC Santa Barbara in March 2008. He oversees Business Services and Environmental Health and Safety Departments and leads campus efforts in sustainability and emergency planning. Prior to coming to UCSB, Mr. Cortez held positions with the County of Santa Barbara, including Deputy County Executive Officer, Acting Director of Planning and Development, Acting Director of Housing and Community Development, Director of General Services, and Deputy Director of Public Works.

Bonnie Reiss, Regent, University of California

Bonnie Reiss is one of the nation’s leading authorities on environmental, education, public safety and public policy. Most recently, Ms. Reiss served as Senior Advisor to California Governor Schwarzenegger (2003-2007) and, in 2008, was appointed by the Governor to the University Of California Board Of Regents. She is an Operating Advisor with Pegasus Capital Advisors where she focuses on cleantech innovation.

Dave Newport, Director, Environmental Center, University of Colorado Boulder

Dave Newport was appointed Director of the Environmental Center at the University of Colorado Boulder in December 2005. Dave’s background is in environmental and sustainability research, teaching, publishing, and public service. At CU, Dave also teaches a Campus Carbon Neutrality Planning Course in the Environmental Studies Department, and he Chairs CU’s Carbon Neutrality Working Group. He is active in national sustainability issues as Secretary of the Board of Directors for the Association for the Advancement of Sustainability in Higher Education.

System-Wide Perspectives on Sustainability
Tuesday, June 23rd
8:30-9:30am
Campbell Hall

This session will provide an overview of upcoming trends and opportunities across the individual campuses. Speakers will include representatives from the CSU and the California Community College Chancellor’s Offices, as well as students who have been active in system-wide initiatives and policy changes from each of the three major higher education systems.

Speakers:

Frederick E. Harris, Assistant Vice Chancellor, College Finance and Facilities Planning, CCC Chancellor’s Office

Elvyra F. San Juan, Assistant Vice Chancellor, Capital Planning, Design, and Construction, CSU Office of the Chancellor

Luis Suarez, 07-08 Associated Students Board Director, Environmental Studies, Santa Monica College

Jocelyn Orr, Student, Environmental Science, Ethics, & Advocacy, Humboldt State University

Tony Bautista, Chancellor’s Climate Action Intern; Student, Environmental Studies; Economics, UC Santa Cruz

Moderator:

Matthew St.Clair, LEED™ AP, Sustainability Manager, UC Office of the President

Biographies:

Tony Bautista, Chancellor’s Climate Action Intern; Student, Environmental Studies; Economics, UC Santa Cruz

Tony Bautista was born and raised in East Los Angeles. Currently, he attends UC Santa Cruz where he majors in Environmental Studies and Economics. He is the Chancellor’s Climate Action Intern, working with the Chancellor’s Council on Climate Change, helping with the development of the Climate Action Plan. He is also one of the co-facilitators for the Ecocites and Sustainable Communities Action Research Team (ART) under the Education for Sustainable living Program.
Tony was the Green Building Coordinator for the Student Environmental Center and led the campaign to construct the Student Cowell Health Center as a LEED™ certified building.

**Frederick E. Harris**, Assistant Vice Chancellor, College Finance and Facilities Planning, CCC Chancellor’s Office

Fred oversees the CCC system's fiscal compliance responsibilities for approximately $4 billion in state funds annually for support of the largest postsecondary education system in the world. This includes updating the system’s financial accounting requirements, collecting system-wide fiscal information, and monitoring districts’ financial condition. He also oversees the Facilities Planning and Utilization Unit. That unit is responsible for the allocation of over $1 billion annually in state local assistance and capital outlay funds to help provide the sustainable infrastructure necessary for student access and success at all 110 community colleges in California.

**Elvyra F. San Juan**, Assistant Vice Chancellor, Capital Planning, Design, and Construction, CSU Office of the Chancellor

Elvyra 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 leadership to the twenty-three campuses and their off-campus centers, and operational direction for the planning, design, and construction for the $1.3B CSU capital outlay program. Responsibilities include management direction for public/private partnerships, land use, utility management, and maintenance of the system-wide physical plant.

**Luis Suarez**, 07-08 Associated Students Board Director, Environmental Studies, Santa Monica College

From introducing carbon neutrality resolutions at A.S. to physically saving trees, Luis has played a significant role in Santa Monica College's and the community’s sustainability efforts by institutionalizing sustainability, participating in campus and community environmental politics, and lobbying for a learning edible garden on campus. Luis now works part-time at Sustainable Works as a Water Programs Associate. He is transferring to UC Berkeley this Fall.

**Matthew St.Clair**, LEED™ AP, Sustainability Manager, UC Office of the President

Matthew St. Clair has led the UC system's award-winning sustainability program since 2004 as the first Sustainability Manager at the UC Office of the President. He is a member of the Sustainability Committees on the Berkeley, Merced, Santa Cruz, and San Francisco campuses. St.Clair has spoken at universities such as Yale and the University of Michigan and as a keynote speaker at several national conferences, and he has advised the U.S. Congress on establishing its Office of Greening of the Capitol. Mr. St. Clair is a founding member of the Board of Directors for the Association for the Advancement of Sustainability in Higher Education.

## Closing and Action-Planning Plenary

**Tuesday, June 23rd**

3:45-5:00pm

Campbell Hall

Join us as we hear representatives of each of the tracks reflect on the conference and discuss what they see as the necessary actions that we should take as we move forward from this event.

**Facilitators:**

**D’Artagnan Scorza**, Student Regent, University of California; PhD Candidate, School of Education, UC Los Angeles

**Jesse Bernal**, Student Regent, University of California; PhD Candidate, Gevirtz School of Education, UC Santa Barbara

**Biographies:**

**D’Artagnan Scorza**, Student Regent, University of California; PhD Candidate, School of Education, UC Los Angeles

D’Artagnan Scorza is a PhD candidate in the UC Los Angeles School of Education. Currently, he serves as a member of the UC Board of Regents and advocates for equity and inclusion, affordability, and access for students. His emphasis on clean energy and sustainable practices supports the University’s environmental-friendly policies. Scorza will use his research to address K-12 educational inequities by establishing educa-
Jesse Bernal, Student Regent, University of California; PhD Candidate, Gevirtz School of Education, UC Santa Barbara

Jesse M. Bernal is the 2009-2010 Student Regent of the University of California. Bernal is a graduate student at the Gevirtz School of Education at UC Santa Barbara, working on his PhD in Education with an emphasis in Cultural Perspectives, including underrepresented students in higher education. He has served on the boards of the UC Students Association, the UCSB Graduate Students Association, and on the Chancellor’s Committee on Budget Strategy and the Academic Senate committees on Planning and Budget and Diversity and Equity.

Eco Facts:

Every 5mph you drive over 60, you’re paying about an additional 30 cents per gallon.
**Sponsor Sessions**

**PIER 50% Savings Solutions and Potential for a Zero Net Energy Recreational Center at UCSB**

Monday, June 22nd  
11:45-12:45pm  
Corwin Pavilion East, UCen

Public Interest Energy Research Program solutions pave the way toward zero net energy buildings by reducing energy consumption 50-70%, compared to traditional energy-efficiency measures. This presentation (20 min) and walking tour (40 min) will highlight lighting and HVAC technologies successfully demonstrated at UC Santa Barbara. SCE, PIER, and UCSB's preliminary retrofit energy model for the recreational center’s move towards zero net energy will also be discussed.

**Speakers:**
- **Michael Seaman**, Contract Manager, California Energy Commission
- **Cori Jackson**, Development Engineer, California Lighting Technology Center
- **Alok Singh**, Manager, Design & Engineering Services, Southern California Edison
- **Gary Jurich**, Assistant Director, Exercise & Sports Studies, UC Santa Barbara

**Moderator:**  
**Karl Johnson**, Research Coordinator, California Institute for Energy and the Environment

**The CCC/IOU Energy Efficiency Partnership: Sustainability in Higher Education**

Monday, June 22nd  
11:45-12:45pm  
Corwin Pavilion West, UCen

California Community Colleges have been very successful in achieving economic and environmental sustainability through energy efficient construction, operation of facilities, and showing how this translates into life-cycle cost savings that free up dollars for the classroom. This presentation showcases Community College Best Practices and the role that the CCC/IOU Partnership has played in helping campuses on this path.

**Speakers:**
- **Fred Harris**, Assistant Vice Chancellor, College Finance & Facilities Planning, CCC Chancellor’s Office
- **Bob Bradshaw**, Construction Program Manager, Citrus College
- **Ron Beeler**, District Director, Facilities Planning and Construction, North Orange County CCD
- **Mike Miller**, Director, Facilities Planning and Management, Butte-Glenn CCD
- **Lisa Hannaman**, Account Executive, Southern California Edison
- **Laura Wetmore**, Account Executive, Pacific Gas & Electric Co.
- **Linh-Chi Hua**, Program Manager, San Diego Gas & Electric Co.

**Biographies:**

**Fred Harris**, Assistant Vice Chancellor, College Finance & Facilities Planning, CCC Chancellor’s Office

Fred Harris is Assistant Vice Chancellor of College Finance and Facilities Planning in the California Community Colleges Chancellor’s Office. In that capacity, he oversees the system's fiscal compliance responsibilities, which ensure the appropriate expenditure of approximately $4 billion in state funds annually for support of the largest postsecondary education system in the world. This includes updating the system's financial accounting requirements, collecting system-wide fiscal information, and monitoring districts’ financial conditions. He also oversees the Facilities Planning and Utilization Unit, where he began his career in the Chancellor’s Office in October 1997 as Administrator. That unit is responsible for the allocation of over $1 billion annually in state local assistance and capital outlay funds to help provide the sustainable infrastructure necessary for student access and success at all 110 community colleges in California.

**Bob Bradshaw**, Construction Program Manager, Citrus College

As Construction Program Manager, Bob is responsible for the management and implementation of the Citrus College $121 million construction bond program. The program funds the build-out of the District’s Facility Master Plan: five new buildings, rehabilitation of several existing buildings, and numerous secondary effect projects. Bob has been with the District from the start of the program in January of 2005. Prior to his current position, Bob was Director of Construction Administration with TBP Architecture for 15 years, representing numerous community college districts.
throughout the state. Bob has been in various positions in the construction industry, in both the private and public sector, for thirty seven years. In addition to his construction program responsibilities, Bob currently serves on the Management, Outreach and Training, and Education teams in the CCC/IOU Partnership.

**Ron Beeler**, District Director, Facilities Planning and Construction, North Orange County CCD

Ron Beeler is the District Director of Facilities Planning and Construction for the North Orange County Community College District. Ron has been with the District for 35 years and has responsibility for the District’s Building Program. Ron is a long-time member of the CCC Association of College Business Officers (ACBO) Facilities Task Force, and he represents the Community College System on the Division of the State Architect (DSA) Advisory Board. Ron is one of the original contributors to the development of the Field Act Collaborative and Alternative Processes. Ron also serves on the CCC/IOU Partnership Management Team and is a member of the steering committee for the CCC space inventory and condition database, FUSION. Ron prides himself with beginning his higher education in the Community College System by obtaining an AA Degree at Fullerton College. Ron holds both a Bachelor of Science and a Master of Business Administration degree from the University of La Verne in La Verne California.

**Mike Miller**, Director, Facilities Planning & Management, Butte-Glenn CCD

Mike is responsible for campus safety, operations and services, and capital projects. He has been instrumental in completing approximately $180 million of construction projects on the Butte and Chico campuses. All the current projects he has managed have been designed and constructed to be well under Title 24 requirements. He is currently managing two large construction projects ($53 million) that are designed to achieve a LEED™ Gold rating. Mike was responsible for two large solar PV projects on the main Butte campus in two phases of approximately 900kW each. The campus electricity supply will be 50% solar by 2010. He is the co-chair of the Sustainability Steering Committee at Butte College and, because of his leadership, the college is holding its third annual Sustainability Conference in August of this year.

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**Navigating Towards Zero: A Roadmap to Sustainability**

Monday, June 22nd
11:45-12:45pm
MCC Theater

Experts from HOK’s Sustainable Design Team will lead an interactive session where attendees will have the opportunity to actively participate in a discussion of the many approaches to holistic campus sustainability. By the end of the seminar, participants will be well versed in many valuable options available to complete your campus sustainability goals while working your way towards zero

**You CAN pull $Millions out of thin air on your campus!**

Tuesday, June 22nd
1:00-2:00pm
Corwin Pavilion East, UCen

Learn how newly developed technology already applied at UC, CSU, and CCC campuses is generating as much as $4 / sq.ft. in annual energy savings, while simultaneously improving indoor environmental quality and making a substantial contribution to your Campus’ sustainability. The IOU partnership makes it even more attractive by providing incentives to put this in place, often resulting in paybacks under two years.

**Speaker:**

**Brady Nations**, Regional Manager, Western North America, Aircuity, Inc.

Mr. Nations is the Regional Manager for Aircuity, Inc., a firm dedicated to near real time measurement and management of indoor environmental quality in non-residential facilities. Their technology leads to substantial energy reduction by managing ventilation. Mr. Nations is a thirty year veteran of the building industry, with extensive experience in all forms of building management, automation, and control. His experience has involved him in buildings of all types, in many countries throughout the world. He is a graduate of Cal Poly San Luis Obispo.
Field Trips and Tours:

Tour of the Campus Lagoon
Sunday, June 21st, 2:00-3:00pm and 3:30-4:30pm and Tuesday, June 23rd, 1:00-2:00pm
Meet at Manzanita Bus Loop

Join the Cheadle Center for Biodiversity and Ecological Restoration for a tour of the Campus Lagoon and Manzanita Village. Our experienced staff will teach you about the diversity of birds and other wildlife that use the lagoon and surrounding upland areas. See the restoration of dunes, coastal sage scrub, oak woodland, native grasslands, and rare vernal pool habitats. Learn about the network of bioswales throughout Manzanita Village and how they effectively filter stormwater run-off.

Tour Guides:
Ryan Lippitt, Restoration Assistant, Cheadle Center for Biodiversity & Ecological Restoration, UC Santa Barbara
Darwin Richardson, Natural Areas Steward, Cheadle Center for Biodiversity & Ecological Restoration, UC Santa Barbara

Tour of the San Clemente Restoration Project
Sunday, June 21st, 2:00-3:00pm and 3:30-4:30pm and Monday, June 22nd, 11:45-12:45pm
Meet at Manzanita Bus Loop

Join the Cheadle Center for Biodiversity and Ecological Restoration for a tour of one of our most recent projects, the San Clemente Ecological Restoration and Stormwater Management Project. Composed of native grasslands, coastal sage scrub, oak woodland, and wetland habitats, this site is already valuable to native plants, mammals, reptiles, birds, and insects. Learn about stormwater bio-filtration and how innovative constructed wetlands and bioswales utilizing native plants can fulfill this important need.

Tour Guides:
Dave Harris, Restoration Coordinator, Cheadle Center for Biodiversity & Ecological Restoration, UC Santa Barbara

Interdisciplinary Humanity Center Sustainable Office
Monday, June 22nd, 11:45-12:45pm and Tuesday, June 23rd, 1:00-2:00pm
Meet at Manzanita Bus Loop

The UC Institute for Research in the Arts, UCIRA, is the only multi-campus program dedicated to supporting arts research and practice throughout the UC system. The Institute’s offices are located at the UC Santa Barbara Interdisciplinary Humanities Center on the 6th floor of the Humanities and Social Sciences building. When UCIRA moved to UCSB in 2003, the Directors commissioned artist and recent UCSB MFA Jesse Wilson to create a space to house the Institute. Using recycled materials and leftovers from a prior commission at the Santa Barbara Museum of Art, Jesse created a beautiful, affordable, mobile, and (most importantly) eco-friendly space.

Tour Guides:
ZouZou Manos, Program Coordinator, UC Institute for Research in the Arts, UC Santa Barbara
Kim Yasuda, Co-Director, UC Institute for Research in the Arts, UC Santa Barbara

Fairview Gardens
Sunday, June 21st
2:00-3:30pm
Meet at Manzanita Bus Loop

The Center for Urban Agriculture at Fairview Gardens is an internationally respected model for small-scale urban food production, agricultural preservation, and farm-based education. Known as one of the oldest Organic farms in Southern CA, Fairview Gardens has a thriving CSA Farm Stand and attends local farmers markets. On 12.5 acres, the farm produces a hundred different fruits and vegetables, feeds approximately five hundred families, and employs over twenty people. Join us on a tour of the land to learn about Fairview Gardens.
Field Trips and Tours (continued)

Energy-Efficiency in Action!
A PIER Technology Showcase at UCSB
Monday, June 22nd, 11:45am-12:45pm
Corwin Pavilion East, UCen
Monday, June 22nd, 9:00-10:00pm
Stage at the Awards Dinner
Tuesday, 1:00-2:00 pm
PIER booth in Storke Plaza

UC Santa Barbara is a Public Interest Energy Research Program (PIER) demonstration site. The projects include energy-efficient lighting and HVAC technologies. Conference attendees can view product installations via a walking tour of campus and benefit from seeing these technologies first-hand. Get out into the sunshine for some fresh air and a walk. What could be better at a conference on sustainability and green design?

Tour Guides:
Cori Jackson, Development Engineer, California Lighting Technology Center
Daniel Dau, Development Engineer, California Lighting Technology Center
Karl Johnson, Research Coordinator, California Institute for Energy and the Environment
Michael Seaman, Program Area Lead, California Energy Commission, Public Interest Energy Research Program

Entertainment:

Eating Alaska
Film Showing
Monday, June 22nd
9:00-11:00pm
Anacapa Recreation Room

Eating Alaska is a documentary film that follows a vegetarian who moves to Alaska, marries a fisherman and hunter, and begins to wonder what is the “right” thing to eat on the last frontier. This humorous and enlightening film explores ideas about eating healthy sustainable food from one’s own backyard, versus industrially produced food shipped thousands of miles.

www.eatingalaska.com

Stargazing Tour with NASA/SETI Scientist, Joe Jordan
Monday, June 22nd
9:00pm

Vans will depart from Manzanita Bus Loop at 9pm (or immediately after the awards dinner). Participants may also collect directions at the registration desk and meet the trip on location at 9:30pm. If you would like to travel with the vans, please sign-up at the registration desk.

Stay out on Monday night for an evening of exploring our natural environment in the Los Padres Mountains. NASA/SETI scientist Joe Jordan will show us constellations, planets, nebulae, and galaxies and will acquaint us with the lights, colors, motions, and phenomena of the night sky. He uses an amazing “green laser” that makes a sharp, brilliant beam and makes it easy to find the constellations and follow along with the tour.

Eco Facts:

In the Brazilian Amazon, a total of 16.5% of the forest (230,000 square miles, an area nearly the size of Texas) was affected by deforestation by 1988.
Understanding LEED™ Project Costs & Returns

Presented by the U.S. Green Building Council

Wednesday, June 24th
9:00-1:00pm
Harbor Room, UCen

This course is designed to help those working on a LEED™ project team learn how to handle cost issues to build more environmentally and economically sound projects. Information on construction and life-cycle costs are introduced, using LEED™ certified project case studies and current research data. The course also provides tools to calculate and evaluate the costs and benefits of LEED™ certification and strategies to maximize resource selections.

Using LEED™ CI to Green Campus Renovation Projects

The UC/CSU/IOU Energy Efficiency Partnership Program

Wednesday, June 24th
8:30-3:00pm
State Street Room, UCen

The UC/CSU/IOU Energy Efficiency Partnership Program is holding a free workshop for UC and CSU staff on Using LEED™ CI to Green Campus Renovation Projects. This workshop will include the following elements: an overview of the LEED CI rating system; a summary of the changes to LEED CI and LEED in general, initiated by the roll-out of LEED v.3; lessons learned from UC project managers who have worked on LEED CI projects over the last year and a half; and a breakout exercise that will allow participants to explore the LEED CI checklist in more detail.

The course is geared to the needs of project managers; prior knowledge of and familiarity with LEED is highly recommended. Participants should have taken a LEED CI Technical Review workshop or will need to review the LEED CI Rating Guide prior to the workshop: http://www.usgbc.org

Student Convergence

Wednesday, June 24th
9:00-1:00pm
McCune Conference Room

The annual post-conference Student Convergence allows students the chance to share ideas and engage in discussions about the projects and opportunities related directly to them, reflect on the lessons learned at the conference, and solidify ways to implement these lessons on their own campuses. This year, the convergence will cover topics such as tips for a successful campaign to gain sustainable funding, ways to motivate others to make eco-friendly choices, student involvement in sustainable food systems, and the greening of a Greek System.

The 3rd Annual BeyondFire™ Workshop

Wednesday, June 24th
8:00-12:00pm
Bren Hall 1414

BeyondFire is the concept of a built environment that produces and manages its own clean energy in a network of Sustainable Utility Nodes (SUN Buildings). BeyondFire advocates becoming harvesters of energy, thus moving beyond the contemporary combustion-based hunter-gatherer paradigm. The 2009 BeyondFire™ workshop will share information about the policies, economics, and technologies that show zero-net energy buildings are both economically viable and crucial to humanity’s future. Furthermore, we will discuss issues of certification and education.

Eco Facts:

Researchers at the University of Chicago found that the average American diet is responsible for 1.5 tons of greenhouse gas emissions annually, compared to a vegetarian diet.
**Best Practice Awards**

*We are pleased to congratulate the winners of the 2009 Higher Education Energy Efficiency Partnership Program Best Practices Competition*

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<th>Institution</th>
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<tr>
<td><strong>Overall</strong></td>
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<td><strong>Sustainable Design</strong></td>
<td>Cal Poly San Luis Obispo; Center for Sciences</td>
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<td>Los Angeles Harbor College; NE Academic Hall and Student Services</td>
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<td>&amp; Administration Bldg.</td>
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<td><strong>HVAC</strong></td>
<td>UC San Francisco; Mount Zion Research Center</td>
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<tr>
<td><strong>Design/Retrofit</strong></td>
<td>Cal Poly San Luis Obispo; HVAC Demonstration Project</td>
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<td>Butte Community College; Instructional Arts Center</td>
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<td><strong>Lighting</strong></td>
<td>UC Davis; Bi-Level Exterior Lighting System</td>
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<tr>
<td><strong>Design/Retrofit</strong></td>
<td>Cal Poly San Luis Obispo; Lighting Demonstration Projects</td>
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<td>San Diego City College; Harry West Gymnasium</td>
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<td><strong>Monitoring-Based</strong></td>
<td>UC Berkeley; Tang Health Center</td>
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<td><strong>Commissioning</strong></td>
<td>CSU San Bernardino; Chemical Sciences</td>
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<td><strong>Water Efficiency</strong></td>
<td>Los Angeles CCD; Waterless Urinal Program</td>
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<td><strong>Site Water Quality</strong></td>
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<td><strong>Student Energy Efficiency</strong></td>
<td>UC San Diego; Green Campus Program</td>
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<td>Cal Poly San Luis Obispo; Green Campus Program</td>
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<td><strong>Student Sustainability Program</strong></td>
<td>CSU Northridge; Satellite Chiller and Subtropical Rainforest</td>
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<td>San Diego City College; Seeds at City Urban Farm</td>
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**HONORABLE MENTIONS**

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<tr>
<td><strong>Overall</strong></td>
<td>UC Merced; Science and Engineering Building</td>
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<td><strong>Sustainable Design</strong></td>
<td>De Anza College; Visual and Performing Arts Center</td>
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<td>San Diego City College; West City Campus for Continuing Education</td>
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<tr>
<td><strong>HVAC/Design/Retrofit</strong></td>
<td>Chabot Community College; HVAC Design</td>
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<td>Cerritos College; Infrastructure and Central Plant</td>
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<td>Shasta College; Central Plant Renovation</td>
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<td><strong>Lighting Design/Retrofit</strong></td>
<td>Bakersfield College; Gym Lighting</td>
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<td>Cerritos College; Lighting upgrade</td>
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<td><strong>Water Efficiency</strong></td>
<td>Butte Community College; Instructional Arts Center</td>
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<tr>
<td><strong>Site Water Quality</strong></td>
<td>Santa Rosa Junior College; Pulse Power Water Treatment</td>
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<tr>
<td><strong>Student Energy Efficiency</strong></td>
<td>Humboldt State University; Green Campus Program</td>
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**Best Practice Award Sessions**

**Overall Sustainable Design, Best Practice Award Winners**  
Monday, June 22nd  
2:15-3:30pm  
Corwin Pavilion West, UCen

**Summary:**  
This session includes presentations from winners of the Higher Education Energy Efficiency Partnership Program Best Practices Competition in the category of New Construction Best Overall Sustainable Design. Cal Poly San Luis Obispo will present on its Center for Sciences building design and UC Davis will present on the Veterinary Medicine 3B project.

**Speakers:**  
- **Larry Eisenberg**, Executive Director, Facilities Planning and Development, Los Angeles CCD  
- **Bill Starr**, Senior Project Manager, Architects & Engineers, UC Davis  
- **Barbara Queen**, AIA, Project Architect, Facilities Planning & Capital Projects, Cal Poly San Luis Obispo  
- **Ted A. Hyman**, AIA, LEED™ AP, Managing Partner, Zimmer Gunsul Frasca Architects LLP  
- **Peter Rumsey, PE**, Managing Principal, Rumsey Engineers

**Moderator:**  
- **Tara Lamont**, AIA, LEED™ AP, Interim Director, Design & Construction Services, UC Office of the President

**HVAC Design and Retrofit, Best Practice Awards**  
Monday, June 22nd  
4:00-5:15pm  
Corwin Pavilion West, UCen

**Summary:**  
This session includes presentations from winners of the Higher Education Energy Efficiency Partnership Program Best Practices Competition in the categories of HVAC Design and Retrofit. Cal Poly San Luis Obispo will present on a variety of technologies, including the DART wireless mesh network that optimizes constant volume air handlers in three buildings, UC San Francisco will present on its project to reduce air flow changes in the Mt. Zion Research Center laboratories, and Butte Community College will present on its Instructional Arts Center.

**Speakers:**  
- **Dennis Elliot**, Sustainability Manager, Facility Services, Cal Poly San Luis Obispo  
- **Patrick McGee**, Project Manager, Capital Programs, UC San Francisco  
- **Michael Sweeney**, PE, LEED™ AP Associate Principal, Arup  
- **Michael Miller**, Director, Facilities Planning & Management, Butte Community College  
- **Brian Provencal**, President, Turley and Associates Mechanical Engineering Group

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

**Lighting Design and Retrofit and MBCx, Best Practice Awards**  
Tuesday, June 23rd  
10:30-11:45am  
Corwin Pavilion West, UCen

**Summary:**  
This session will include presentations from winners of the Energy Efficiency Partnership Best Practice awards competition for projects that demonstrate successful Lighting Design/Retrofit and Monitoring Based Commissioning (MBCx) projects. Cal Poly San Luis Obispo, UC Davis, and San Diego CC will present on projects that implemented emerging technology solutions to lighting applications in areas such as stairwells, parking lots, classrooms, and gymnasiums. CSU San Bernardino and UC Berkeley will present MBCx projects that were implemented on their campuses, such as supply air temperature reset, supply air static pressure reset, time control of the air handlers, and lowering minimum flow settings on supply fans.

**Speakers:**  
- **David Umstot**, PE, Vice Chancellor, Facilities Management, San Diego Community College District  
- **Phil Westbrook**, QCxP, Chief Engineer; Energy Manager, Facilities Services, CSU San Bernardino  
- **Dennis Elliot**, Sustainability Manager, Facility Services, Cal Poly San Luis Obispo  
- **Christopher Cioni**, Associate Director, Utilities Office, UC Davis
Moderator:
Ardie Dehghani, Campus Engineer, Architects & Engineers Resource Management & Planning, UC Davis

Please note that the Best Practice Awards in Student Sustainability, Student Energy Efficiency Programs, and Water Efficiency and Site Water Quality are presenting in their respective tracks (Student Affairs and Water).

Biographies:
Christopher Cioni, Associate Director, Utilities Office, UC Davis
Christopher Cioni is the Associate Director of the Utilities Office at UC Davis. His responsibilities at UCD include high voltage power distribution, central heating and cooling operations, exterior lighting, emergency generator systems, and purchase of natural gas and electricity. Prior to joining UCD, he was an Underwriting Director for a specialty insurance firm and also worked as an engineering consultant in the areas of process safety and environmental compliance, facilities engineering at a large Department of Defense facility, and operations engineering aboard large merchant ships.

Ardie Dehghani, Campus Engineer, Architects & Engineers Resource Management & Planning, UC Davis
Ardie Dehghani is the Campus Engineer at the UC Davis Campus. A registered professional mechanical engineer and a graduate from the University of Oklahoma, he has over 20 years of experience in engineering. As Director of Engineering, Ardie has been the leader in conceiving and developing cost-effective renewal strategies and innovative solutions to support the University’s sustainability mission and carbon reduction goals.

Larry Eisenberg, Executive Director, Facilities Planning and Development, Los Angeles CCD
Larry H. Eisenberg is the Executive Director of Facilities Planning and Development for the Los Angeles Community College District. He directs a $5.7 billion sustainable building and renewable energy program and oversees planning, facilities development, maintenance, and real estate. By 2014, the district’s nine campuses will feature almost 100 new buildings that exceed the U.S. Green Building Council's LEED™ certified standards, including numerous “zero-energy” buildings. LACCD’s renewable energy plan will ensure that the campuses will be energy independent by 2010.

Dennis Elliot, Sustainability Manager, Facility Services, Cal Poly State University
Dennis Elliot is the Sustainability Manager in Facility Services at Cal Poly San Luis Obispo. Dennis is a licensed Mechanical Engineer and a Certified Energy Manager, and he has over 25 years experience in building and plant energy systems. He manages the University’s utilities, energy, and water conservation programs and assists with green design of new buildings. Dennis also manages the Green Campus Program, serves on two campus sustainability committees, and is a part time instructor in the Mechanical Engineering Department.

Satinder ‘Steve’ Gulati, University Engineer, CSU Office of the Chancellor
Mr. Gulati is a University Engineer at the CSU Office of the Chancellor. He manages the CSU major capital projects and is also responsible for managing the CSU Mechanical Review Board. Mr. Gulati is a Registered Professional Engineer in the State of California in Mechanical and Fire Protection engineering. He has a BS in Mechanical Engineering from Cal Poly Pomona and a BS in Physics, Chemistry, and Mathematics from the University of Delhi, India.

Ted A. Hyman, AIA, LEED™ AP, Managing Partner, Zimmer Gunsul Frasca Architects LLP
Ted Hyman is managing partner of ZGF’s Los Angeles office. He has led teams for many of the firm’s most challenging and technologically complex projects, taking responsibility for programming, management, coordination, production, and construction administration. Having been involved in the design of a number of new engineering, nanotechnology and bioscience facilities over the last two decades, Ted is knowledgeable about the latest concepts and innovations in laboratory buildings.

Tara Lamont, AIA, LEED™ AP, Interim Director, Design & Construction Services, UC Office of the President
Tara Lamont, AIA, LEED™ AP, is the Interim Director of Design & Construction Services for the UC Office of the President. As the Chair of the UC Green Building Working Group, she has worked with the campuses to develop their Campus Green Building Baselines and is involved with the certification of projects. Currently, with members of the Green Buildings Working Group, she is involved in developing standards for estimating GHG emissions for new construction and renovation projects.
Patrick McGee, Project Manager, Capital Programs, UC San Francisco

Patrick McGee has 12 years of experience working within the UC San Francisco Capital Programs and Facilities Management. Over the course of his tenure, he has held positions in the Contracts Unit as a Facilities Manager and is currently Project Manager. He is a graduate of San Francisco State University.

Michael Miller, Director, Facilities Planning & Management, Butte Community College

Mike Miller is the Director of Facilities Planning & Management. He is responsible for campus safety, operations and services, and capital projects. He has been instrumental in completing construction projects and assuring they are built in the most economic and energy efficient way. He is currently managing two large construction projects that will both be LEED™ certified and are currently receiving LEED™ Gold. He is the co-chair of the Sustainability Steering Committee at Butte College.

Brian Provencal, President, Turley and Associates Mechanical Engineering Group

Brian Provencal has been President of Turley and Associates Mechanical Engineering Group for seventeen years. His experience in mechanical systems includes: chillers, central plants, master planning, steam systems, laboratory gas systems, ice storage systems, cogeneration systems, and fuel systems. His leadership in the firm has changed the firm’s focus to sustainable design and energy efficiency with special emphasis on schools, hospitals, public sector and commercial buildings.

Barbara Queen, AIA, Project Architect, Facilities Planning & Capital Projects, Cal Poly State University

Barbara Queen is a licensed Architect working with the Facilities Planning & Capital Projects department at Cal Poly San Luis Obispo. She is involved in project management for the University’s Major Capital projects and is currently working with the Center for Science project. Barbara is regularly involved with the department’s review and selection committees and is a participating member of the University’s Physical Access Task Force.

Peter Rumsey, PE, Managing Principal, Rumsey Engineers

Peter Rumsey is the founder of Rumsey Engineers, the first engineering firm in the US to achieve four LEED™ Platinum projects. He has designed mechanical systems for data centers, cleanrooms, and laboratories that are among the most energy efficient in the US. He is a certified energy manager, a Senior Fellow of Rocky Mountain Institute, and an ASHRAE Fellow. The focus of Peter's career has been transforming the building industry by designing affordable and dramatically energy efficient buildings.

Bill Starr, Senior Project Manager, Architects & Engineers, UC Davis

Bill Starr is an architect and a graduate of Cornell University who specializes in managing building projects with high environmental goals. He has managed the Vet Met Instructional Facility (on target for LEED™ Silver), the Tahoe Center for Environmental Sciences (LEED™ Platinum), and the Vet Med 3B Laboratory Building (on target for LEED™ Gold) and has supported many other projects in reaching their green building goals.

Michael Sweeney, PE, LEED™ AP Associate Principal, Arup

Michael Sweeney is a Registered Professional Engineer and a LEED™ Accredited Professional. Michael has over 18 years of experience in building energy consulting, in building systems design, and in developing and marketing web-based building energy information systems. Michael is currently the leader of Arup's emerging strategic energy consulting business. Michael’s past roles include acting as the Director of Marketing for Enerwise Global Technologies and partnering a successful start-up consulting firm. He is a graduate of Kansas State University, with a degree in Architectural Engineering.

David Umstot, PE, LEED™ AP Vice Chancellor, Facilities Management, San Diego Community College District

David Umstot is Vice Chancellor of Facilities Management at SDCC and is overseeing a $1.55 billion construction bond program, facilities services, and police functions for the District. Before entering the educational facilities market, Dave had extensive experience in commercial and public agency construction, most recently as Vice President of Operations for Syska Hennessy Group Construction. He earned a BS degree from the University of the Pacific and a Master of Engineering from the Colorado School of Mines.

Phil Westbrook, QCxP, Chief Engineer; Energy Manager, Facilities Services, CSU San Bernardino

Phil Westbrook has been with CSU San Bernardino for 16 years, serving as Supervising Building Service Engineer and becoming Chief Engineer/ Energy Manager in 2007. He has worked on many energy projects on the CSUSB campus, including the campus-wide Energy Efficiency and Infrastructure upgrade that won the 2009 National Energy Project of the Year from the Association of Energy Engineers. Prior to joining CSUSB, Phil had served for eight years in the Navy’s nuclear power program and spent 10 years as Plant Engineer with Versa Care Health Systems.
Innovative Technologies in Labs and Data Centers  
Monday, June 22nd  
10:00-11:30am  
Corwin Pavilion West, UCen  

Laboratories and data centers are among the most energy-intensive buildings found on university campuses. Efficiency has often been overlooked because it is falsely assumed that there is very little that can be done in this specific classification of buildings. Case studies from Stanford University and Lawrence Berkeley National Laboratories will demonstrate how to utilize innovative technologies to reduce energy use in labs and data centers.

Speakers:  
Paul Mathew, Staff Scientist, Lawrence Berkeley National Laboratory  
Dale Sartor, PE, Program Manager, Building Technologies Applications Team, Lawrence Berkeley National Laboratory  
Susan Kulakowski-Vargas, Demand-Side Energy Manager, Utilities, Stanford University  

Moderator:  
Ann McCormick, PE, Principal  
Newcomb | Anderson | McCormick  

Demonstrated Energy Efficient Lighting and HVAC Technologies  
Tuesday, June 23rd  
2:15-3:30pm  
Corwin Pavilion West, UCen  

Products that improve building environments and reduce energy use have a competitive edge in the quest for Net Zero energy. UC Los Angeles, Sonoma State, and UC Santa Barbara, in partnership with the California Institute for Energy and the Environment, have implemented technologies in energy efficient lighting and HVAC design in an attempt to reduce carbon emissions from energy consumption on campuses. Energy modeling and analysis will also be discussed as integral parts of the Net Zero process.

Speakers:  
Robert Striff, LEED™ AP, Senior Energy Engineer, Energy and Utility Services, UC Los Angeles  
Ted M. Tiffany, Lecturer, Energy Management and Design, Sonoma State University  
Karl F. Johnson, Research Coordinator, California Institute for Energy and the Environment  
Cori Jackson, LEED™ AP, Development Engineer, California Lighting Technology Center  

Moderator:  
Len Pettis, Chief of Plant, Energy & Utilities, CSU Office of the Chancellor  

Biographies:  
Cori Jackson, LEED™ AP, Development Engineer, California Lighting Technology Center  
Cori Jackson is an associate development engineer at the California Lighting Technology Center, a research facility at the University of California Davis. She currently manages lighting development and demonstration projects, including demonstrations of PIER lighting technologies, at UCSB and across the state. Ms. Jackson is a LEED certified professional and holds degrees in Optical Engineering and Mathematics.  

Karl F. Johnson, Research Coordinator, California Institute for Energy and the Environment  
Karl received a MS in Mechanical Engineering-Product Design from Stanford University. He has almost 30 years of experience in the energy field and is currently managing lighting, energy-efficient technology development, demonstration, market connection, strategic planning, and evaluation activities at CIEE. He has received awards and written papers discussing technologies in lighting, water heating, appliances, cooling, HVAC, energy analysis, commissioning, monitoring, cogeneration, ground source heat pumps, and renewable energy. He has developed national and international programs for applying these technologies.  

Susan Kulakowski-Vargas, Demand-Side Energy Manager, Utilities, Stanford University  
Susan leads and coordinates activities to reduce demand for energy at Stanford University. She manages energy retrofit programs, an electricity conservation incentive program, the annual winter break energy curtailment, and Sustainable IT initiatives. Prior to rejoining the university in 2001, Susan was a project manager with Energy Solutions, where she
designed and administered non-residential energy efficiency programs. She has a BA in Public Policy from Stanford and earned her MS from the Energy and Resources Group at UC Berkeley.

Paul Mathew, Staff Scientist, Lawrence Berkeley National Laboratory

Paul Mathew is a Staff Scientist at Lawrence Berkeley National Laboratory, where he conducts applied research and market transformation activities on energy use in buildings. His current work is focused on energy efficiency and green design for laboratories and data centers, as well as energy benchmarking tools and techniques for commercial buildings. In addition to technical research and consulting, he also teaches courses on energy efficient design. He has a BA in Architecture, and a PhD in Building Performance and Diagnostics.

Ann McCormick, P.E., Principal, Newcomb | Anderson | McCormick

Ann McCormick is a principal of Newcomb Anderson McCormick, a San Francisco based energy engineering and consulting firm that manages the UC/CSU/IOU and CCC/IOU Statewide Partnerships. Ann has been in the energy efficiency field for more than 20 years and holds a Masters degree in Mechanical Engineering from the University of Wisconsin-Madison and a Baccalaureate degree, also in Mechanical Engineering, from Michigan State University. She is a Registered Mechanical Engineer, a Certified Energy Manager, and a LEED Accredited Professional.

Len Pettis, Chief of Plant, Energy & Utilities, CSU Office of the Chancellor

Mr. Pettis is a graduate of Maine Maritime Academy with a bachelors degree in Mechanical Engineering and holds a Chief Engineers license. With over 30 years of experience, Len is responsible for energy policy regulation, energy efficiency programs, and utility procurement. He is the co-architect of the largest statewide energy efficiency grant program, receiving $38 million from the California Public Utilities Commission to fund a three-part comprehensive program for retrofit, Monitoring-Based Commissioning (MBCx), and training and education programs.

Dale Sartor, PE, Program Manager, Building Technologies Applications Team, Lawrence Berkeley National Laboratory

Dale Sartor heads the LBNL Building Technologies Applications Team, which assists in the transfer of new and underutilized technology through project-focused multi-disciplinary teams. Mr. Sartor has an AB in Architecture and a Master’s degree in Business Administration and is a licensed Mechanical Engineer and General Building Contractor. He has over 30 years of experience in energy efficiency and renewable energy applications, including being a principal of an architecture and engineering company and as the head of LBNL’s In-House Energy Management Program.

Robert Striff, LEED™ AP, Senior Energy Engineer, Energy and Utility Services, UC Los Angeles

Robert Striff is currently the Energy Manager at UC Los Angeles and was one of the contributing authors for the campus’ climate action plan. Robert has over 17 years experience working in the Energy Industry. He holds a professional Engineering license from the state of California and was the LEED™ AP, professional for UCLA’s Public Affairs Building LEED™ EB certification.

Ted M. Tiffany, Energy Management and Design Lecturer, Sonoma State University

As a graduate of Sonoma State University, Ted has been involved on the campus since 1994 and now teaches Computer Aided Applications in Energy Management & Design, through the Environmental Studies Department. He also works full time as the Building Performance Manager for Guttmann & Blaevot Consulting Engineers, specializing in Sustainable Engineering.

Eco Facts:

One ton of recycled paper uses:
64% less energy, 50% less water,
74% less air pollution, saves 17 trees and creates 5 times more jobs
than one ton of paper products
from virgin wood pulp.
Sustainable Dining Service Operations
Monday, June 22nd
2:15-3:30pm
Bren Hall 1414

This session will highlight sustainable food practices in dining service operations and will feature speakers from three UC campuses. UC Los Angeles will discuss how their dining service program has successfully cut waste while maintaining customer satisfaction. UC Davis will present how they have prioritized the procurement and delivery of sustainable foods and a focus on developing innovative methods and processes to procure organic, natural, and locally-grown foods. A presenter from UC Santa Barbara will serve as moderator and introduce an innovative composting program.

Speakers:
Craig St. Louis, Interim Director, Dining Services, Housing and Hospitality Services UC Los Angeles
Robert Gilbert, Sustainability Coordinator, Housing and Hospitality Services, UC Los Angeles
James Boushka, Marketing Director, University Dining Services, UC Davis

Moderator:
Bonnie Crouse, Assistant Director, Residential Dining Services, UC Santa Barbara

Food Procurement
Monday, June 22nd
4:00-5:15pm
Bren Hall 1414

Establishing sustainable purchasing commitments and an efficient distribution network for your campus dining service can be a formidable challenge. Learn how UC and Community College campuses have been able to partner with local and sustainable farmers and food producers to create a framework for bringing innovation into their dining program. In addition, we will explore the national Real Food Challenge and how it is engaging students and food service stakeholders in fostering a more just and sustainable food system on their campus.

Speakers:
Jaime Jaramillo, Food Service Director, Cabrillo Community College
Bertrand Weber, Director of Wellness, Nutrition and Culinary Standards, Taher Professional Food Management Service
Hai Vo, SAS Fellow, UC Sustainable Agrifood Systems; Student, Social Ecology, UC Irvine
Kelsey Meagher, Sustainable Agri-food Systems (SAS) Fellow; Student, Cognitive Science, UC Irvine

Speaker/Moderator:
Tim Galarneau, Sustainable Agrifood System Fellowship Coordinator, Center for Agroecology & Sustainable Food Systems, UC Santa Cruz

Sustainable Food Education
Tuesday, June 23rd
2:15-3:30pm
Bren Hall 1414

Educating people on the importance of sustainable food choices is essential for a successful sustainable food program. The Community Agroecology Network will provide an interactive presentation on how their organization fits into the farm-to-college movement and teaches students to work beyond the scope of the classroom. Representatives from Cal Poly Pomona will discuss a workshop series on gardening techniques and food preparation, including planting, composting, simple garden maintenance practices, watering techniques, basic integrated pest management strategies, and proper harvesting.

Speakers:
Eric Grabiel, Associate Director, Community Agroecology Network
Grace Voorheis, Outreach Coordinator, Community Agroecology Network
Rosemary Wing Squires, Masters Candidate, Regenerative Studies, Cal Poly Pomona

Moderator:
Megan Carney, Doctoral Candidate, Anthropology, UC Santa Barbara
Biographies:

James Boushka, Marketing Director, University Dining Services, UC Davis

James serves as Marketing Director for Sodexo at UC Davis and has also been instrumental in driving initiatives that implement processes that include the procuring of locally-grown food, facilitating post-consumer composting, and researching cost-effective strategies that large institutions can employ. These efforts earned UC Davis the 2007 Office of the President Innovative Waste Reduction Award and himself the 2007 Presidents Marketplace Award. He is a current member of the American Marketing Association. James is a graduate of the University of Phoenix.

Megan Carney, Doctoral Candidate, Anthropology, UC Santa Barbara

Megan Carney is a PhD student in Sociocultural Anthropology at UC Santa Barbara, specializing in urban food security, food sovereignty, food policy, gender and power in the food system, and participatory research in the US. She has been campaigning with various organizations for sustainable food in higher education and local communities for the past six years. She is the graduate student mentor for the UCSB-based student organization FoodStuff. Next year, she will be the Sustainable Food Coordinator for UCSB under a special grant through The Green Initiative Fund. She is a 2008-2009 Sustainable Agrifood Systems Fellow and holds a BA in Anthropology from UC Los Angeles.

Bonnie Crouse, Assistant Director, Residential Dining Services, UC Santa Barbara

Ms. Crouse oversees all procurement of food, equipment, and supplies, as well as budget management, for four Dining Commons, Concessions, and Special Event Catering at UC Santa Barbara. Bonnie is the incoming Pacific Region President of the National Association of College & University Food Services (NACUFS), serves on the Advisory Council for the College and University Resource Board (CURB), and is a long term Board member of the Santa Barbara Culinary Arts organization. She is leading the sustainability efforts for Residential Dining Services and established a local Food Sustainability Community Committee.

Tim Galarneau, SAS Fellowship Coordinator, Center for Agroecology and Sustainable Food Systems, UC Santa Cruz

Tim Galarneau serves as the statewide coordinator of the Sustainable Agrifood Systems Fellowship program and works as a research and program specialist at the Center for Agroecology & Sustainable Food Systems at UC Santa Cruz. Mr. Galarneau also advises the California Student Sustainability Coalition Foods initiative, which is working in collaboration with UC staff to develop sustainable food service guidelines for the University of California and to organize students across CA higher education.

Robert Gilbert, Sustainability Coordinator, Housing and Hospitality Services, UC Los Angeles

Robert Gilbert is responsible for the crafting and maintaining of a forward-looking, strategic sustainability plan for all divisions of Housing & Hospitality Services. As part of this charge, Robert assists, promotes, and tracks the success of sustainability programs within each division. Robert received his undergraduate degree from the University of Michigan in Resource and Ecology Management. He is currently completing his doctoral dissertation in Environmental Health Sciences at UC Los Angeles.

Eric Grabel, Associate Director, Community Agroecology Network

Eric Grabel started at Community Agroecology Network, a non-profit based out of Santa Cruz, in 2009 as Associate Director and has over eight years of experience on the campuses of UC Los Angeles, UC Davis, and, more recently, UC Santa Cruz as Bridge Coordinator and EOP Academic Counselor. He studied history as an undergraduate at UCLA. He completed his master’s of Public Policy degree at the CSU Monterey Bay - Panetta Policy Institute in 2007. Eric is passionate about connecting farmers, researchers, coffee companies, and consumers in a network where people, healthy food systems, and environments come first.

Jaime Jaramillo, Food Service Director, Cabrillo Community College

Jaime Jaramillo started his culinary Endeavour in 1994 as a preparatory cook at his family restaurant. Graduate of the Culinary Institute of America in Hyde Park, New York, Jaime Jaramillo has over 16 years of experience in the industry. His current position is the Food Service Director for Cabrillo College in APTOS, California. His intention and direction is to clear a path to a more sustainable future, not only for his own immediate surroundings, but for the surroundings of his peers.
Kelsey Meagher, Sustainable Agri-food Systems (SAS) Fellow; Student, Cognitive Science, UC Irvine

Kelsey Meagher is an undergraduate student in the department of Cognitive Sciences at UC Irvine. This year, she was selected to serve as a Sustainable Agri-food Systems (SAS) Fellow through the Center for Agroecology and Sustainable Food Systems (CASFS) at UC Santa Cruz. She is using her fellowship to conduct a sustainability assessment of campus dining and develop educational programs around sustainable food systems. After she receives her bachelor’s degree, she plans to attend graduate school in hopes of securing a career in research or academia.

Rosemary Wing Squires, Masters Candidate, Regenerative Studies, Cal Poly Pomona

With a Bachelor’s degree in English Literature and a background in teaching, Rosemary is new to gardening and is always looking for ways to connect with seasoned gardeners. As a first year graduate student in Regenerative Studies at Cal Poly Pomona, she is looking into thesis topics which explore the garden to table, farm to table, field to fork phenomenon. She is interested in what keeps people coming back to the garden, and which gardening habits are helping people reap the most benefits in the kitchen.

Craig St. Louis, Interim Director, Dining Services, Housing and Hospitality Services, UC Los Angeles

Craig came to UC Los Angeles 7 years ago as Assistant Director of Dining Services and currently is the Interim Director of Dining Services. Craig has worked in the Food Service Industry for more than 30 years. Prior to coming to UCLA, Craig was an Executive Chef at the prestigious Rancho Murrieta Country Club and the Assistant Director of Food & Nutrition Service for Kaiser Foundation Hospital. Craig has played a pivotal role in the development and implementation of UCLA’s current state-of-the-art dining program.

Bertrand Weber, Director of Wellness, Nutrition and Culinary Standards, Taher Professional Food Management Service

Bertrand Weber joined the Taher team in September 2006. He brought with him more than 30 years of combined management experience in the hospitality industry and school food service. Trained in hotel management in Switzerland, Bertrand has managed some of the finest hotels and resorts on the east coast. As director of Wellness, Nutrition and Culinary Standards, Bertrand is directly responsible for the implementation of the Food for Life Initiative.

Hai Vo, SAS Fellow, UC Sustainable Agrifood Systems; Student, Social Ecology, UC Irvine

Hai Vo is a Social Ecology undergraduate studying sustainable food systems. As part of his fellowship for the UC Sustainable Agrifood Systems (SAS), he co-conducted a food assessment of UC Irvine that sought to discover how ecologically-sound, community-based, humane, and fair the food served on campus was. Hai loves to cook, and he is oftentimes found using the best ingredients from local farms for his culinary delights. Post-graduation plans include farm apprenticeships and being an advocate for real food.

Grace Voorheis, Outreach Coordinator, Community Agroecology Network

Grace Voorheis started at CAN in early 2007 as a student intern, working on expanding CAN’s network to include other high school and college campuses. Now a full-time CANista, Grace still works on incorporating more schools into the CAN network, as well as coordinating on-campus outreach and conducting educational programming about CAN and the issues they confront in the global trade system. She studied environmental and social justice issues both here in California and in Brazil and has been involved with California Certified Organic Farmers and LifeLab programs before settling down with CAN.

Eco Facts:

Anthropocene: a new term to suggest the time period in Earth’s history, from the late 1700s, when the human footprint began to grow to a monstrous size.
Green Building New Construction Track

**A Professor, a Green Building Team, and Life-Cycle Costing**

**Monday, June 22nd**

10:00-11:30am

Corwin Pavilion East, UCen

A UC Davis professor will outline the role of an academic client, based on his experience with the exciting Brewery, Winery, and Foot Pilot building. A Stanford presenter will discuss an approach to cost-benefit analysis through an examination of the new Yang and Yamazaki Environment + Energy Building (Y2E2), a lab, classroom, and office building. The leaders of the UC San Francisco Green Building Team will discuss institutionalized steps taken within the Capital Programs unit to implement green building requirements on all projects.

**Speakers:**

Susan Simpson, Project Manager, Capital Programs and Facilities Management, UC San Francisco

Patti Mitchell, Senior Project Manager, Capital Programs and Facilities Management, UC San Francisco

Fahmida Ahmed, Manager, Sustainability Programs, Stanford University

Roger Boulton, Stephen Sinclair Scott Professor of Enology and Chemical Engineering, Viticulture and Enology, UC Davis

Gary Dahl, Director of Project Management, Office of Architects & Engineers, UC Davis

**Moderator:**

Michael Bade, Assistant Vice Chancellor, Capital Programs and Campus Architect, UC San Francisco

**System-Wide Green Building Solutions**

**Monday, June 22nd**

4:00-5:15pm

MCC Theater

In its management of a $5.7 Billion construction bond program, the San Diego Community College District is LEEDing the way with a districtwide Green Building Policy and Major Renovation Standards. LACCD will implement a Design-Build effort as a best-value delivery method for maximizing construction processes, which will ultimately reduce project risk and time and produce cost savings for the District. The California State University Program for Environmental Responsibility has also developed an integrated building design approach to be implemented system-wide.

**Speakers:**

Holly Hill, LEED™ AP, Sustainable Design Manager, HMC Architects

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

David Umstot, PE, CEM, Vice Chancellor, Facilities Management, San Diego Community College District

James Sohn, Program Director, Build LACCD

**Moderator:**

Tara Lamont, AIA, LEED™ AP, Interim Director, Design & Construction Services, UC Office of the President

**Biographies:**

Fahmida Ahmed, Manager, Sustainability Programs, Stanford University

Fahmida directs sustainability programs at Stanford. She co-chairs the sustainability Working Group, connects the Working Teams for key deliverables, supports Stanford’s climate and infrastructure planning, and manages communications and education programs. Before joining Stanford, she served as the campus Sustainability Specialist at UC Berkeley and delivered Cal’s climate target. Fahmida earned a BA in Economics from Smith College and a MA in Public Environmental Management from the Bren School at UC Santa Barbara. Her apprenticeships include positions in the BCDC, NOAA, and LBNL. Prior to her career in sustainability, Fahmida worked in financial and high-tech services in the Bay Area.

Michael Bade, Assistant Vice Chancellor, Capital Programs and Campus Architect, UC San Francisco

Mr. Bade is a California registered architect and Interim Assistant Vice Chancellor - Capital Programs and Campus Architect - at UC San Francisco, with oversight responsibility for roughly 140 capital projects and a program commitment of over $800 million. In addition to UCSF, Mr. Bade also worked in the University President’s office, providing coordination and oversight services for projects system-wide. Mr. Bade has a M. Arch and a BS from UC Berkeley.

Gary Dahl, Director of Project Management, Office of Architects & Engineers, UC Davis

Gary Dahl is the Director of Project Management at the office of Architects & Engineers at UC Davis. UC Davis currently
has 15 LEED™ projects in design or under construction, including its second Platinum project and three projects targeting Gold.

Holly Hill, LEED™ AP, Sustainable Design Manager, HMC Architects
Holly Hill is a LEED™ Accredited Professional who brings over eight years experience with corporate and governmental sustainability programs, including environmental stewardship, voluntary initiatives, management systems, and regulatory compliance. Her experience includes LEED™ and CHPS project management for over 40 projects, sustainability consultation, green procurement, and specification reviews. Ms. Hill’s has direct experience with the creation of the Program for Environmental Responsibility and various CSU projects.

Warren Jacobs, LEED™ AP, University Architect, CSU Office of the Chancellor
Warren Jacobs, University Architect at The California State University Office of the Chancellor, provides support for the system-wide design phase of capital projects, as well as recommending policy and procedures for the design and administration of projects. He brings over 25 years of experience in the practice of architecture, with particular emphasis in the area of higher education. At the CSU, he coordinates the Sustainability Advisory Committee, assists in the management of the CSU plan review programs, and provides system-wide support to the 23 CSU campuses.

Tara Lamont, AIA, LEED™ AP, Interim Director, Design & Construction Services, UC Office of the President
Tara Lamont, AIA, LEED™ AP, is the Interim Director of Design & Construction Services for the UC Office of the President. As the Chair of the UC Green Building Working Group, she has worked with the campuses to develop their Campus Green Building Baselines and is involved with the certification of projects. Currently, with members of the Green Buildings Working Group, she is involved in developing standards for estimating GHG emissions for new construction and renovation projects.

Patti Mitchell, LEED™ AP, Senior Project Manager, Capital Programs and Facilities Management, UC San Francisco
Patti Mitchell is a CA licensed architect and LEED™ AP. She has been with UC San Francisco since 2004 and is actively involved with the green building committees at the Office of the President, Campus and Capital Program levels.

Susan Simpson, LEED™ AP, Project Manager, Capital Programs and Facilities Management, UC San Francisco
Susan Simpson is a CA licensed architect and LEED™ AP. She has been a UC San Francisco Project Manager for 8 years. Prior to UCSF, she was a Project Manager at UC Berkeley, Wells Fargo Bank, and the SF Unified School District.

James Sohn, Program Director, Build LACCD
James Sohn was appointed Program Manager for the $6 Billion LACCD Sustainable Building Program in 2006. As owner’s representative for URS Corporation, he leads a large team of professionals to renovate and construct new facilities at the nine campuses and the district office, while maintaining sustainable building standards. He has a long history in public sector construction management as Program Manager at Rio Hondo College and multiple positions at LAUSD. Mr. Sohn leads the Build-LACCD program management effort to launch the extensive design build effort as a best-value delivery method for maximizing construction processes.

David Umstot, PE, CEM, Vice Chancellor, Facilities Management, San Diego Community College District
David Umstot, PE, is Vice Chancellor of Facilities Management for the San Diego Community College District, overseeing a $1.55 billion construction bond program, facilities services, and police functions for the District. Before entering the educational facilities market, Dave had extensive experience in commercial and public agency construction, most recently as Vice President of Operations for Syska Hennessy Group Construction. He earned a BS degree from the University of the Pacific and a master’s of Engineering from the Colorado School of Mines.

Eco Facts:
Much of our electronic waste gets shipped to Developing countries so that THEY can suffer the leaching toxins while trying to recover reusable materials from it.
Green Building Operations, Maintenance, and Renovation Track

LEED™ EB Case Studies
Monday, June 22nd
2:15-3:30pm
MCC Theater

Documenting sustainable operations for LEED™ EB certification elicits the expertise and involvement of numerous campus departments, off-campus professionals, and building occupants. This session will discuss the relation of campus policies and procedures to the certification process and provide current certification status updates.

Speakers:

Jordan Sager, Masters Candidate, Donald Bren School of Environmental Science and Management, UC Santa Barbara
Dave Weil, Director of Sustainable Operations, Auxiliary and Plant Services, UC San Diego
Erika Kociolek, LEED™ AP, Intern, Green Campus Program; Student, International Studies, UC San Diego

Moderator:

Kristin Simmons, Higher Education Sector Associate, Green Building Council

Student-Led Office Greening and Building Greening Programs
Monday, June 22nd
4:00-5:15pm
Corwin Pavilion East, Ucen

The Building Sustainability @ Cal Program trains and utilizes students to help reduce the environmental footprint of campus buildings by educating building inhabitants and identifying structural and the operational changes that can be made to buildings and campus as a whole. PACES is designed to assess current office practices and formulate recommendations for improvements toward achievable sustainable office standards from student groups at UC Santa Barbara

Speakers:

Sara Shirazi, Student, UC Berkeley
Lisa Bauer, Manager, Campus Recycling and Refuse Services, UC Berkeley

Judy Chess, LEED™ AP, Assistant Director, Green Building Programs, UC Berkeley
Irene Seliverstov, Coordinator, Building Sustainability @ Cal, UC Berkeley
Eli Krispi, Intern, Ellison Hall Sustainability Committee, UC Santa Barbara; Masters Candidate, City and Regional Planning, Cal Poly San Luis Obispo
Courtney Lyman, Intern, Office of Sustainability, UC Santa Barbara

Moderator:

Jack Powazek, Associate Vice Chancellor for General Services, UC Los Angeles

LEED™ CI Case Studies
Tuesday, June 23rd
2:15-3:30pm
MCC Theater

Under the UC Policy on Sustainable Practices, all UC renovation projects over $5 million in budget must achieve at least the equivalent of a LEED™ for Commercial Interiors Certified rating. This session will present case studies of the green building progress made by UC Davis and UC San Francisco, using the LEED™ CI system.

Patti Mitchell, LEED™ AP, Senior Project Manager, Capital Programs and Facilities Management, UC San Francisco
Catherine Buscaglia, Senior Project Manager, Architects and Engineers, UC Davis
Alexander Achimore, Senior Project Manager, Architects and Engineers, UC Davis
Sue Norris, LEED™ AP Interim Director, Design Services, UC Davis

Moderator:

Ed Denton, Vice Chancellor, Facilities Services; Campus Architect, UC Berkeley

Biographies:

Alexander Achimore, Senior Project Manager, Architects and Engineers, UC Davis

Alexander Achimore has been a Senior Project Manager at UC Davis for 10 years. His managed projects include the campus recreation center, Tercero Dining Commons, and a new student health center. He is currently managing the
expansion and renovation of the campus bookstore and the Silo, a campus fast-food and full-service restaurant. He holds a M.Arch from UC Berkeley and a BS from MIT.

Lisa Bauer, Manager, Campus Recycling and Refuse Services, UC Berkeley
Lisa Bauer has been involved in the recycling and solid waste field for the last 20 years, and in sustainability activities for the last 8 years. She has been the Campus Recycling and Refuse Manager at UC Berkeley for the last 11 years and, in addition to her day job, has co-chaired the Chancellor’s Advisory Committee on Sustainability and has co-taught several classes on environmental sustainability.

Catherine Buscaglia, Senior Project Manager, Architects and Engineers, UC Davis
Catherine has been a senior project manager at UC Davis for 9 years. She has managed projects such as the Schaal Aquatics Complex and the Segundo Dining Commons. She currently manages the Coffee House Renovation and Student Community Center. Catherine holds a BS ArcE from Cal Poly San Luis Obispo.

Judy Chess, LEED™ AP, Assistant Director, Green Building Programs, UC Berkeley
As Assistant Director for Green Building Programs, Ms. Chess oversees integrating campus sustainability goals and green building measures into campus building projects. She serves on The Green Initiative Fund (TGIF) and the Chancellor’s Advisory Committee on Sustainability and is the Facilities Services liaison to the Building Sustainability @ Cal program. Ms. Chess helped establish Berkeley's Office of Sustainability, the expanded energy efficiency program, and the Green Classrooms and Construction Waste initiatives. Ms. Chess is a LEED™ AP and holds MAs in Landscape Architecture and City Planning from UC Berkeley and a BES from the University of Manitoba, Canada.

Ed Denton, Vice Chancellor, Facilities Services; Campus Architect, UC Berkeley
As Vice Chancellor for Facilities Services and Campus Architect, Ed has been a leader in developing sustainability policies on the Berkeley campus. He is a member of the Office of the President’s Green Building/Clean Energy Committee and the lead administrator for the Chancellor’s Advisory Committee on Sustainability. Ed is a member of the International Alliance of Research Universities (IARU) Campus Sustainability Program, which is committed to reducing the environmental impact of its campus activities through the implementation of wide ranging sustainability strategies. He has spoken at numerous conferences including the 2007 Sustainable Campus Conference in Zurich, Switzerland (Best Practices – Future Challenges) and the 2009 Campus Development Summit (Calculating Your Environmental Impact – Lessons from UC Berkeley’s Climate Action Planning).

Erika Kociolek, LEED™ AP Intern, Green Campus Program; Student, International Studies, UC San Diego
Erika Kociolek is a senior at UC San Diego, majoring in International Studies and minoring in Environmental Studies. As a Green Campus intern, an intern for the Sustainability Solutions Institute, and a representative for the campus Advisory Committee on Sustainability and the Climate Solutions Working Group, she has worked on numerous sustainability projects. Erika has worked extensively on LEED™ certification of the UCSD Campus Services Complex and earned the distinction of LEED™ AP in September 2008. As an SSI intern, she collaborated with faculty, staff, and students to research and write the Environmental Education Report produced by SSI.

Eli Krispi, LEED™ AP Intern, Ellison Hall Sustainability Committee, UC Santa Barbara; Masters Candidate, City and Regional Planning, Cal Poly San Luis Obispo
Eli Krispi is an intern with the interdepartmental Ellison Hall Sustainability Committee. He has helped to create and run the PACES assessment and improvement program and the “Zero Waste: One Step Ahead” waste reduction campaign. Eli served as an officer with UCSB’s Environmental Affairs Board and is a student representative to The Chancellor’s Campus Sustainability Committee. He obtained degrees in Geography and Environmental Studies in June of 2009 and will attend Cal Poly San Luis Obispo for City and Regional Planning in the fall.

Courtney Lyman, Intern, Office of Sustainability, UC Santa Barbara
Courtney Lyman recently graduated from the UC Santa Barbara with a degree in Political Science. She has become involved with the Office of Sustainability at UCSB in order to gain a broad understanding of sustainable methods. She has been a key member in the development of UCSB’s new PACES program and has assisted with the organization of this year’s Sustainability conference. She hopes to use her experience to get involved in Sustainable Development both locally and abroad.
Sue Norris, LEED™ AP Interim Director, Design Services, UC Davis

Sue Norris is a certified Interior Designer and LEED™ AP. She has been with UC Davis Design Services for 23 years and is currently involved in 7 registered LEED Projects which include new Student Housing, a Coffee House expansion, A Residential Dining Facility, a Student Services Center, and a Student Health & Wellness Center. Sue is past president of the American Society of Interior Designers, California/Nevada Chapter and she recently traveled to Washington DC to write questions for the LEED CI 2009 Professional accreditation exam.

Jack Powazek, Associate Vice Chancellor, General Services, UC Los Angeles

Jack Powazek possesses over 34 years of progressively larger and more complex managerial responsibility in UC Los Angeles administration. He is currently Associate Vice Chancellor of General Services at UCLA, which includes the divisions of Facilities Management, EHRS, Transportation Services, and Sustainability. The annual budget for General Services is approximately $200 million, with a workforce of nearly 1,400 employees. Jack has earned three degrees, including a Bachelor of Science in Engineering and an MBA and a Doctorate of Education, all from UCLA.

Patti Mitchell, LEED™ AP, Senior Project Manager, Capital Programs and Facilities Management, UC San Francisco

Patti Mitchell is a CA licensed architect and LEED™ AP. She has been with UC San Francisco since 2004 and is actively involved with the green building committees at the Office of the President, Campus, and Capital Program levels.

Jordan Sager, Graduate Student, Donald Bren School of Environmental Science and Management, UC Santa Barbara

Jordan Sager is a graduate student at UC Santa Barbara’s Donald Bren School of Environmental Science and Management, specializing in energy and climate studies with an emphasis in institutional sustainability. Jordan manages UCSB’s LEED™ for Existing Buildings and LEED™ for New Construction projects. Jordan is also leading the long-term greenhouse gas management for UCSB, including the purchasing of renewable energy credits. Jordan is a co-founder of Santa Barbara’s Emerging Green Builders organization and maintains a Regional Chair position in the California Central Coast Chapter of the US Green Building Council.

Irene Seliverstov, Coordinator, Building Sustainability @ Cal, UC Berkeley

Irene Seliverstov is lead coordinator of Building Sustainability at Cal (BS@C). She was a Residential Sustainability Education Coordinator her first year at UC Berkeley. She later became the administrative intern for the Chancellor’s Advisory Committee on Sustainability and helped plan the Fifth Annual Sustainability Summit. She became involved in Building Sustainability at Cal when she took a BS@C class the first semester it was offered. She then became a coordinator and took on the lead role this semester. She works closely with students, staff, and faculty to run the program.

Kristin Simmons, Higher Education Sector Associate, US Green Building Council

Kristin Simmons is the Higher Education Sector Associate at the U.S. Green Building Council, with a focus on efforts to green college campuses with the LEED™ Green Building Rating System. In this capacity, Kristin oversees the development of tools and resources for green building literacy and leadership trainings in higher education.

Dave Weil, Director of Sustainable Operations, Auxiliary and Plant Services, UC San Diego

Dave Weil is UC San Diego’s Director of Sustainable Operations. In this capacity, he manages UCSD’s Building Commissioning and Operational Sustainability programs, including development and implementation of campus renewable energy, water conservation, sustainable fleet, and Green Building initiatives. Dave’s previous experience includes over twenty-five years in facilities management, including service in the Navy’s Civil Engineer Corps and working as the San Diego Regional Energy Office’s Director of Programs.
Energy Efficiency and Climate Plans in Hospital and Laboratory Settings

Monday, June 22nd
10:00–11:30am
Bren Hall 1414

Hospitals and other healthcare facilities operate 24 hours per day; therefore, energy consumption and conservation are important issues. This session will examine energy efficiency measures undertaken by an innovative CSU laboratory and both university and public hospitals in order to reduce their impact on the environment. The mechanical engineer from ARUP will explain the energy efficient HVAC systems being designed for the new UCSF Mission Campus hospital. CSU Monterey Bay will discuss their laboratory airflow management system. Broadening the focus, a staff member from San Francisco General Hospital will discuss the facility’s climate plan.

Speakers:

Matt Costick, Northern California Representative, George Yardley Company
Mike Lerch, Assistant Director, Energy & Utilities, CSU Monterey Bay
Brady Nations, Regional Manager, Western North America, Aircuity, Inc.
Paul Switenki, Associate, ARUP
Christina Foushee, PhDc, Resident Nurse, UC San Francisco

Moderator:

Robert Hunn, Safety Officer, UC San Francisco Medical Center

Climate Action Plans and Waste Management Strategies for Medical Facilities

Tuesday, June 23rd
10:30am–11:45am
Bren Hall 1414

Implementing a sustainability program in healthcare settings presents unique and difficult challenges. This session will explore sustainable practices utilized in a university medical center and a national, not-for-profit hospital system. Learn how UC San Diego manages the challenge of medical waste with an innovative program that goes beyond basic recycling. In addition, hear how Kaiser Permanente has implemented a sustainability policy in all of its hospitals and clinics nationwide.

Speakers:

Dennis Goodrich, Associate Administrator, Facilities & Hospitality Services, UC San Diego Medical Center
Greg May, Director, Environmental Services, UC San Diego Medical Center
Tom Cooper, National Manager, Sustainable Building Design and Research, National Facilities Services, Kaiser Permanente

Moderator:

Jill Richardson, Sustainability Coordinator; TGIF Grants Manager, UC Santa Barbara

Biographies:

Tom Cooper, National Manager, Sustainable Building Design and Research, National Facilities Services, Kaiser Permanente

Tom Cooper is the chairperson of Kaiser Permanente’s High Performance Buildings Committee (AKA Green Buildings) and is responsible for the company’s green buildings program. He leads the research efforts in developing sustainable materials, building systems, and design strategies for Kaiser Permanente’s national building standards. Tom has a bachelor’s degree from UC Berkeley in Social Science and worked in the construction industry prior to joining Kaiser Permanente in 1988. Tom also chairs the City of Albany, California’s Sustainability Committee.

Matt Costick, Northern California Representative, George Yardley Company

Matt Costick has 15 years of experience in the HVAC industry, having held various positions in manufacturing, design build contracting, and, now, equipment sales. His role was to work with campuses to determine their best candidate buildings in terms of benefit from demand control ventilation. Mr. Costick assisted in the system design and managed the installation effort. He was also responsible for the initial energy analysis of pre and post case Aircuity benefit and assisted the campus in applying for their UC/CSU/IOU incentive.
Brady Nations, Regional Manager, Western North America, Aircuity, Inc.

Mr. Nations is the Regional Manager for Aircuity, Inc., a firm dedicated to near real time measurement and management of indoor environmental quality in non-residential facilities. Their technology leads to substantial energy reduction by managing ventilation. Mr. Nations is a thirty year veteran of the building industry, with extensive experience in all forms of building management, automation, and control. His experience has involved him in buildings of all types, in many countries throughout the world. He is a graduate of Cal Poly San Luis Obispo.

Greg May, Director, Environmental Services, UC San Diego Medical Center

Greg May has led Safety and Support Services operations at major Medical Centers for 32 plus years with Kaiser and Scripps Healthcare Systems throughout California. Among his many duties at the UC San Diego Medical Center, Greg leads the sustainability, waste management, and recycling initiatives and has been instrumental in the implementation phases at the numerous UCSD Medical Center and Clinic facilities. Mr. May received a Bachelor of Business Administration at the University of Phoenix.

Jill Richardson, Sustainability Coordinator; TGIF Grants Manager, UC Santa Barbara

Jill Richardson is a sustainability coordinator and The Green Initiative Fund (TGIF) grants manager for UC Santa Barbara. Jill is responsible for helping oversee the Chancellor’s Campus Sustainability Committee, the Campus Sustainability Plan, and the Climate Action Plan. Prior to this, Jill worked for a Santa Barbara-area green builder and for the Bren School of Environmental Science and Management at UCSB. Jill received her B.S. in Zoology and MESM in Environmental Science and Management from UCSB.

Paul Switenki, Associate, ARUP

Paul Switenki is a mechanical engineer and project manager. He received his Architectural Engineering degree from Pennsylvania State University and his MS in Civil Engineering from the University of Colorado. Paul is a Professional Engineer, licensed in California. He has supervised the design of low-energy HVAC systems for all types of commercial, educational, healthcare, and institutional facilities. His particular areas of expertise are performance halls and hospitals.
Institutionalizing Sustainability and Climate Action Planning Track

Climate Action Planning
Monday, June 22nd  
2:15 - 3:30pm  
Corwin Pavilion East, UCen

We will explore ways in which universities are creating and implementing Climate Action Plans. Representatives from UC Los Angeles will discuss how they engaged campus staff, faculty, and students in developing their climate action plan. CSU Northridge will discuss how their deliberately incrementalist, adaptive management approach is leading up to the Presidents Climate Commitment. The seven institutions of the Oregon University System (OUS) are engaged in a parallel collaborative process of conducting consistent GHG inventories and coordinated climate action plans.

Speakers:

Joshua Skov, MA, LEED™ AP, Principal, Good Company, Technical Support, Oregon University System
Kristy E.H. Michaud, Assistant Professor, Political Science, CSU Northridge
Nancy Kurland, Assistant Professor, Management, CSU Northridge
Erica Wohldmann, Assistant Professor, Psychology, CSU Northridge
Colin Donahue, Associate Vice President, Facilities Development and Operations, CSU Northridge
Diane S. Stephens, Director of Academic Resources, Academic Resources and Planning, CSU Northridge
Ashwani Vasisht, Director, Institute for Sustainability; Assistant Professor, Urban Studies and Planning, CSU Northridge
Tracy Dudman, Senior Planner, Capital Programs, UC Los Angeles

Moderator:

John Meyer, Vice Chancellor, Resource Management and Planning, UC Davis

Campus Sustainability Plans
Tuesday, June 23rd  
10:30 - 11:45am  
Corwin Pavilion East, UCen

This session will highlight three innovative approaches to Sustainability Action Plans. UC Merced will present on their method of using a simple business plan template and strategic planning process to create its plan. UC San Diego will present its Campus Sustainability Assessment, which benchmarked current performance in all relevant areas of sustainability and developed methods and policies for ongoing tracking of sustainability performance. Pomona College will present on engaging students in a meaningful way in the crafting and implementation of their plan, including use of green caucuses, fellowships, and independent studies courses.

Speakers:

Bowen Patterson, Campus Sustainability Coordinator, Campus Planning and Maintenance, Pomona College
N. Scott Smith, Principal, Sasaki Associates
John Elliott, Manager of Engineering, Energy, and Sustainability, UC Merced
Jim Genes, Special Assistant to the Vice Chancellor of Administration, UC Merced
Maggie Souder, Campus Sustainability Coordinator, UC San Diego

Moderator:

Fahmida Ahmed, Manager, Sustainability Programs, Stanford University

Examples of Institutionalizing Sustainability Throughout All Aspects of an Organization
Tuesday, June 23rd  
2:15 - 3:30pm  
Corwin Pavilion East, UCen

A co-founder of STARS (Sustainability Tracking, Assessment, and Rating System) will give a brief overview. UCLA Housing and Hospitality Services developed a plan with incentives and accountability for comprehensive sustainability goals for all employees. Santa Monica College has implemented an ecological literacy graduation requirement and institutional learning outcome (ILO), and incorporated sustainability into strategic planning. CSU Chico will discuss the barriers encountered, and the pathways that have proven successful, in embedding sustainability into the practices of faculty, staff, and students.
Speakers:

**Pete Morris**, Professor, Geography, Santa Monica College

**Scott G. McNall**, Executive Director, Institute for Sustainable Development, CSU Chico

**Halli Bovia**, Sustainability Coordinator, Institute for Sustainable Development, CSU Chico

**Robert Gilbert**, Sustainability Coordinator, Housing and Hospitality Services, UC Los Angeles

**Rob Kadota**, Chairman, On-Campus Housing

**Biographies:**

**Fahmida Ahmed**, Manager, Sustainability Programs, Stanford University

Fahmida leads sustainability programs at Stanford. She co-chairs the sustainability Working Group, connects the Working Teams for key deliverables, supports Stanford’s climate and infrastructure planning, and manages communications and education programs. She served as the Campus Sustainability Specialist at UC Berkeley and delivered Cal’s climate target. Fahmida earned a BA in Economics from Smith College and a master’s in Public Environmental Management from the Bren School at UC Santa Barbara. Her apprenticeships include positions in the BCDC, NOAA, and LBNL.

**Halli Bovia**, Sustainability Coordinator, Institute for Sustainable Development, CSU Chico

Halli Bovia received her bachelor’s degree in Biology in 2003 and her Master’s degree in Ecology and Sustainability in the summer of 2008, both from CSU Chico. Before accepting the sustainability coordinator position at CSU Chico, Halli was the Sustainability Projects Assistant at Butte College. Halli has consulted on various projects for Butte College and CSU Chico.

**Kristy E.H. Michaud**, Assistant Professor, Political Science, CSU Northridge

Kristy E.H. Michaud is an assistant professor in the Department of Political Science at CSU Northridge and a member of CSUN’s Green Core Planning Team. She received a Ph.D. from UC Santa Barbara. Her research and teaching interests focus on public opinion and environmental policy. Specifically, she currently studies public opinion toward global climate change and energy policy. As a member of the Green Core Planning Team, she is actively developing the University’s sustainability curriculum.

**Colin Donahue**, Associate Vice President, Facilities Development and Operations, CSU Northridge

Mr. Donahue has over 20 years of experience managing complex programs through all phases of planning, design, construction, and operation. He has guided the development of CSU Northridge’s capital outlay program, including the $407 million 1994 Northridge earthquake recovery. He managed a major master plan update that increased the campus enrollment ceiling to 35,000 full-time equivalent students and laid the groundwork for sustainable campus growth over the next 30 years. Mr. Donahue currently oversees a staff of 300 and an annual operating budget of $25 million and is responsible for CSUN’s $350 million capital outlay program.

**Tracy Dudman**, Senior Planner, Capital Programs, UC Los Angeles

Tracy Dudman is the Senior Planner for UC Los Angeles and one of six primary authors of the campus’ Climate Action Plan (CAP). For the development of the CAP, she developed the outline and structure of the document, was responsible for writing several sections of the plan, and brought together the various pieces of information provided by team members, crafting that information into a single voice within a cohesive and easily understood document.

**John Elliott**, Manager, Engineering, Energy, and Sustainability, UC Merced

John is responsible for campus energy efficiency and renewable energy generation. As co-chair of the Chancellor’s Advisory Committee on Sustainability, he is responsible for shaping and implementing the campus sustainability strategy. John is involved in all phases of campus infrastructure, including new construction, maintenance, operations, and planning. John also manages use of the campus-wide building energy management system as a “living laboratory” in order to facilitate operations, performance monitoring, and research.

**Jim Genes**, Special Assistant to the Vice Chancellor of Administration, UC Merced

Mr. Genes received his BS and MBA from the University of California, Davis and CSU Fresno, respectively. He has over 25 years of start-up experience with the University of California, successfully creating new academic and administrative
Institutionalizing Sustainability (continued)

enterprises for three Campuses—Merced, Santa Cruz, and Davis. Mr. Genes staffed UC Merced’s academic, administrative, and sustainability strategic plans and co-chairs the campus sustainability committee. Mr. Genes is on the board of directors for Friends of the River.

**Robert Gilbert**, Sustainability Coordinator, Housing and Hospitality Services, UC Los Angeles

As Housing & Hospitality Services Sustainability Coordinator, Robert Gilbert is responsible for crafting and maintaining a forward looking sustainability strategic plan for all divisions of Housing & Hospitality Services. As part of this charge, Robert assists, promotes, and tracks the success of sustainability programs within each division. Robert received his undergraduate degree from the University of Michigan in Resource and Ecology Management. He is currently in the filing stage of his doctoral dissertation in Environmental Health Sciences at UC Los Angeles.

**Rob Kadota**, Chairman, On-Campus Housing Sustainability Committee; Assistant Director, Residential Life, UC Los Angeles

Rob has chaired the Office of Residential Life’s Sustainability Committee for several years. He is active in the City of Los Angeles Solid Waste Integrated Resource Plan. Rob has been composting his garden waste for over 10 years, and he graduated to using his kitchen scraps for vermiculure 5 years ago. Rob and his family enjoy tending an organic garden plot at Ocean View Farms community garden. Rob does community outreach at his local Mar Vista Farmers market every Sunday.

**Nancy Kurland**, Assistant Professor, Management, CSU Northridge

Nancy Kurland is an assistant professor of management at CSU Northridge. Her research focuses on strategic issues in sustainability. She is a founding member of CSUN’s Green Core Planning team and teaches strategic leadership in sustainability. She’s written over twenty articles and book chapters that have appeared in *Academy of Management Review, Business Ethics Quarterly, Business and Society, Human Relations, the Journal of Applied Social Psychology, the Journal of Organizational Behavior, the Journal of Public Administration Research and Theory, Organizational Dynamics, Organization Science,* and *The Information Society,* among others.

**Scott G. McNall**, Executive Director, Institute for Sustainable Development, CSU Chico

Dr. Scott McNall served as Provost and Vice President for Academic Affairs at CSU Chico from August 1994 - May 2007. In May 2007, he was appointed Executive Director of the Institute for Sustainable Development at CSU Chico, where he has worked to implement our 6th Strategic Priority, outlining our goals to educate for a sustainable society and to implement sustainability into the curriculum. Dr. McNall is a prolific writer, having authored more than 60 books and articles since 1963.

**John Meyer**, Vice Chancellor, Resource Management and Planning, UC Davis

John Meyer is the Vice Chancellor of Resource Management and Planning at UC Davis. This office includes Budget and Institutional Analysis, Capital Planning, Campus Planning, Architects & Engineers, Facilities Management, the UC Davis Arboretum, and the newly established Environmental Stewardship and Sustainability program. The office is also responsible for the West Village project, which will be the nation’s first mixed-use community to generate all of its energy needs through clean sources, including a biogas digester, solar arrays, and hydrogen fuel cells, using a new smart grid.

**Pete Morris**, Professor, Geography, Santa Monica College

Pete Morris is co-chair of the Academic Senate Environmental Affairs Committee and primary author of Santa Monica College’s ecological literacy graduation requirement.

**Dave Newport**, Director, Environmental Center, University of Colorado-Boulder

Dave Newport was appointed Director, Environmental Center, University of Colorado Boulder in December 2005. Dave’s background is in environmental and sustainability research, teaching, publishing, and public service. At CU, Dave also teaches a Campus Carbon Neutrality Planning Course in the Environmental Studies Department, and he Chairs CU’s Carbon Neutrality Working Group. He is active in national sustainability issues as Secretary of the Board of Directors for the Association for the Advancement of Sustainability in Higher Education.
Institutionalizing Sustainability (continued)

Bowen Patterson, Sustainability Coordinator, Campus Planning and Maintenance, Pomona College
Ms. Patterson is the Sustainability Coordinator at Pomona College. She is in charge of the College's long-term sustainability planning process and advises over 50 students in work-study, independent study, and extra-curricular activities related to the creation of the College's Sustainability and Climate Action Plan. She is an alumnus of Pomona and has a master's degree in Urban Planning. She has spoken at a variety of conferences regarding sustainability issues, including most recently the AASHE, SCUP Pacific, and Farm to Cafeteria conferences.

Joshua Skov, Principal, Good Company, Technical Support, Oregon University System
Skov leads Good Company’s higher education practice. He is the Oregon University System’s technical support and outreach consultant for the Climate Action Planning effort. He has assisted in the development of the plan’s foundation, and he has educated the campuses’ facility and administrative staff through workshops on specific climate action indicators and opportunities. Skov assisted OUS in understanding how the challenge of sustainability relates to our organization. Skov is an adjunct instructor in the Department of Planning, Public Policy, and Management at the University of Oregon. For the past two years, he has taught courses in sustainable business at UC San Diego.

N. Scott Smith, Principal, Sasaki Associates
N. Scott Smith is working with Pomona College to develop a long-term land use plan and for campus-wide sustainability and greenhouse gas reduction initiatives. The land-use plan established a foundation for sustainable development, including site selection; open space reclamation, development, and restoration; water management; energy infrastructure; and community building. Scott worked with students to implement a campus-wide “Green Caucus” workshop for Pomona College students, faculty, and staff. Scott has been a speaker on the subject of sustainable planning and design at SCUP, AASHE, AIA, CSU Chico, and Hong Kong University.

Maggie Souder, Campus Sustainability Coordinator, Department, UC San Diego
Ms. Souder became the Sustainability Coordinator at UC San Diego in September 2007 after 25 years in the environmental and sustainability programs at UC Riverside. One of her first UC San Diego tasks was to manage the process of developing UC San Diego’s Campus Sustainability Assessment and Climate Action Plan.

Diane S. Stephens, Director of Academic Resources, Academic Resources and Planning, CSU Northridge
Diane S. Stephens has over 15 years of experience in higher education. Ms. Stephens is responsible for budget planning and management, facilities planning and utilization, and staff human resources planning. She acts as administrative liaison for the Sustainability Institute and the Core Greening Team and coordinates a professional development series for over 150 leaders. Ms. Stephens holds an MBA from CSU Northridge and has completed the Harvard University Graduate School of Education Management Development Program, the Western Association of College and University Business Officers Business Management Institute program, and the Society for College and University Planning Institute program.

Erica Wohldmann, Assistant Professor, Psychology, CSU Northridge
Erica Wohldmann is a member of the Institute for Sustainability. She received a PhD from the University of Colorado Boulder. Her research is aimed at understanding the relationship between learning, memory, and decision-making with respect to food choices and sustainability. She has taught a variety of classes related to cognitive psychology and cognitive neuroscience. Within the CSUN Greening Project, she has taken the lead in Food System Planning and is overseeing the establishment of a weekly Farmers Market on campus.

Ashwani Vasishth, Director, Institute for Sustainability; Assistant Professor, Urban Studies, CSU Northridge
Ashwani Vasishth is Director of the Institute for Sustainability at CSU Northridge and an Assistant Professor in the Department of Urban Studies and Planning. He has a PhD from the University of Southern California and a master’s degree from MIT. He currently teaches courses across a range of fields within the planning domain, from within a sustainability framework.
**Closed Loop Procurement**  
Monday, June 22nd  
2:15-3:30pm  
Flying A Room, UCen

Examining the entire life cycle of a material or product can serve as a valuable strategy for making procurement decisions. Currently, many procurement comparisons are based on single-attributes, such as quantity of recycled content or recyclability of the material. While these metrics are important, there are additional environmental factors, such as upstream energy consumption or production of toxics. This session will explore alternative perspectives for reducing the environmental impacts along a product's or material's life cycle, and the role of these strategies within procurement.

**Speakers:**
- Tenise Bell, Graduate Student Researcher, Division of Textiles and Clothing, UC Davis
- Kim Matsoukas, LEED™ AP Sustainability Manager, Bentley Prince Street; InterfaceFlor
- Kellene Ruffoni, Public Sector Account Manager, Imaging and Printing Division, Hewlett-Packard
- Michael McKinnon, Western Regional Account Manager, Imaging and Printing Division, Hewlett-Packard

**Moderator:**
- Lesley Clark, Commodity Manager, Strategic Sourcing, UC Office of the President

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**Green Cleaning**  
Tuesday, June 23rd  
2:15-3:30pm  
Flying A Room, UCen

Americans spend approximately 90% of their time indoors, and it is crucial that we minimize indoor exposure to toxic chemicals through our procurement material and cleaning product choices. The speakers in this session will demonstrate how they've worked internally to ensure that schools use greener cleaning products and practices.

**Speakers:**
- Javier A. Rodriguez, Senior Custodial Supervisor, Green Cleaning Program, UC Merced
- Ricardo Arias, Principal Custodial Supervisor, Facilities Management, UC Merced
- Larry Eisenberg, Executive Director, Facilities Planning and Development, Los Angeles CCD
- Cassandra Contreras, LEED™ AP, Strategic Sales and Marketing Manager, CleanSource, Inc.

**Moderator:**
- Lesley Clark, Commodity Manager, Strategic Sourcing, UC Office of the President

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**Greenwashing**  
Tuesday, June 23rd  
10:30-11:45am  
Flying A Room, UCen

As we've watched the green movement balloon over the past few years, there have been great opportunities for new products and services to enter mainstream consumption. Entrepreneurs are capitalizing on the billions consumers are spending within the green economy. However, within the magnitude of environmentally-friendly and healthy products and services, there are many companies who are exploiting the movement to sell products and services that lack true environmental or health benefits. Consumer awareness, regulation, labeling requirements, and or product/service claim verification have not kept up with the rapid growth of the industry. This session will address the problems with greenwashing and initiatives to reduce greenwashing.

**Speakers:**
- Alicia Culver, Owner; Executive Director, Green Purchasing Institute
- Laura Moreno, Life Scientist, Waste Management Division, Region 9, US Environmental Protection Agency

**Moderator:**
- Lesley Clark, Commodity Manager, Strategic Sourcing, UC Office of the President

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**Biographies:**

Ricardo Arias, Principal Custodial Supervisor, Facilities Management, UC Merced

Ricardo Arias was a Senior Custodian with the original crew for the UC Merced campus, overseeing six employees at the
time. He became a Custodial Supervisor within a year of service and, later, a Principal Custodial Supervisor. Earlier in his career, Ricardo spent 13 years as a General Services Manager with a private company which specialized in water and mold damage restoration, including carpet cleaning. Ricardo utilized his experience in carpet care and his supervisory skills for the implementation of the Green Cleaning Program.

Tenise Bell, Graduate Student Researcher, Doctoral Candidate, Division of Textiles and Clothing, UC Davis

Tenise Bell is a Graduate Student Researcher in the Division of Textiles and Clothing at the UC Davis. Her research focuses on the strategies and practices used by textile and apparel companies to develop sustainable supply chains. Her research is used to cultivate discussions about sustainable product networks and to share knowledge and resources among textile companies. Bell plans to focus her career on eco-consulting for production methods.

Cassandra Contreras, LEED™ AP, Strategic Sales and Marketing Manager, CleanSource, Inc.

Cassandra Contreras is a LEED™ AP and Strategic Sales and Marketing Manager with CleanSource Inc., a janitorial supply distributor focused on providing environmentally preferable solutions integrated within the total cost of cleaning. Cassandra is a leader with the Silicon Valley Branch of the USGBC's Nor Cal Chapter, sits on several environmental committees, and has assisted on many LEED™ projects, including UCSF’s Rock Hall and MLK Library for SJSU. She frequently speaks on reducing operating costs while creating healthy sustainable buildings.

Lesley Clark, Commodity Manager, Strategic Sourcing, UC Office of the President

Lesley Clark is a Commodity Manager in Strategic Sourcing at the University of California's Office of the President. Lesley’s UC career began in the Chancellor’s Office at UC Berkeley. Prior to UC, she had a career as an executive in buying and store management for Macy’s and Mervyn’s. She has a bachelor's degree in Design from UC Davis and a MBA in Marketing. Lesley serves on the State of California’s EPP Task Force and chairs the system-wide Sustainable Purchasing Working Group at UC.

Alicia Culver, Owner; Executive Director, Green Purchasing Institute

Alicia Culver is Executive Director of the Green Purchasing Institute, a nonprofit organization that helps government agencies, businesses, and institutions adopt “sustainable” procurement policies, programs and practices. For nearly two decades, she has written specifications for low-mercury, high-efficiency lamps, asthma-safe “green” cleaners, sweat-shop-free uniforms, and many other environmentally preferable goods and services. As a winner of the 2009 Responsible Purchaser of the Year Award, she is a strong advocate for transparent and participatory processes for establishing environmental standards for products.

Larry Eisenberg, Executive Director, Facilities Planning and Development, Los Angeles CCD

Larry H. Eisenberg is the Executive Director of Facilities Planning and Development for the Los Angeles Community College District. He directs a $5.7 billion sustainable building and renewable energy program and oversees planning, facilities development, maintenance, and real estate. By 2014, the district’s nine campuses will feature almost 100 new buildings that exceed the U.S. Green Building Council’s LEED™ certified standards, including numerous “zero-energy” buildings. LACCD’s renewable energy plan will ensure that the campuses will be energy independent by 2010.

Kim Matsoukas, LEED™ AP Sustainability Manager, Bentley Prince Street

Kimbrely Matsoukas is the Sustainability Manager at Bentley Prince Street and a LEED™ Accredited Professional. She manages the company’s programs on internal waste elimination (QUEST), end-of-life reclamation (ReEntry™), and climate-neutral products (Cool Carpet™). Kim is responsible for producing sustainability reports, including the annual greenhouse gas (GHG) inventory, and communicating Bentley Prince Street’s sustainability programs, both internally and externally. She received her Master of Environmental Science and Management (MESM) from the Donald Bren School of Environmental Science and Management at UC Santa Barbara.

Michael McKinnon, Western Regional Account Manager, Imaging and Printing Division, Hewlett-Packard

Mike McKinnon is the Western Region Account Manager for HP Imaging and Printing. Mike holds a bachelor's in Computer Science from BYU and executive business management credentials from Harvard Law School and the Tuck School of Business at Dartmouth. Besides his R&D experience, Mike has also held management positions in manufacturing, marketing, and sales. Currently, Mike spends much of his time as an advisor to universities and government to help reduce the cost and environmental impact of general office printing.
Laura Moreno, Life Scientist, Waste Management Division, US Environmental Protection Agency, Region 9
Laura Moreno is a Life Scientist in the Waste Management Division at U.S. Environmental Protection Agency Region 9. She focuses primarily on resource management and organics recycling, including composting and anaerobic digestion. She works to divert food scraps, which currently account for 21% of the national waste stream. Laura recently graduated from UC Berkeley with an undergraduate degree in Conservation and Resource Studies. Additionally, she worked on green building and recycling issues when she was a student at Cal.

Javier A. Rodriguez, Sr. Custodial Supervisor, Green Cleaning Program, UC Merced
Javier A. Rodriguez has worked for the UC system for almost 13 years. He started as a custodian and has worked his way up to Sr. Custodial Supervisor. UC Merced gave Javier total responsibility to decide the type of programs he wanted to implement. With this authority, he started the custodial department with the intention of making it efficient, disciplined, safe, and professional. He researched safer and better cleaners and cleaning tools and implemented many green concepts, even before “green cleaning” was widely recognized.

Kellene Ruffoni, Public Sector Account Manager, Imaging and Printing Division, Hewlett-Packard
Kelley Ruffoni is the Public Sector Education Account Manager for H-P’s Imaging and Printing division. Kelley holds a Bachelor of Science degree from San Jose State University. Prior to joining HP in 2007, Kelley was a Senior Account Manager for a national reseller specializing in Education sales where she worked for 6 years. Kelley currently resides in Gilroy, California and enjoys showing her Pug dogs (Guinness and Ty) and spending time with her husband and 2½ year old twins.

Eco Facts:
In 2005, plastics accounted for about 12% of the trash generated by Americans, and about a third of it was recycled.
Case Studies on Infusing Sustainability into Curriculum

Monday, June 22nd
2:15-3:30pm
Harbor Room, UCen

This session will highlight the innovate methods in which sustainability is actively being infused into multiple facets of curriculum. Dr. Kryder will explain how she uses incentives to encourage proposals about sustainability in her advance business writing classes at UC Santa Barbara. Dr. Braun will discuss how Cal Poly SLO presents strategies used to teach sustainability concepts in core, required lecture and laboratory courses in Electrical Engineering and Computer Engineering courses. Lastly, Stephanie Chenard will explain how her courses at San Francisco CC will give small business owners an overview of the aspects of being green.

Speakers:
LeAnne G. Kryder, Lecturer, Writing Program, UC Santa Barbara
David Braun, Professor, Electrical Engineering, Cal Poly San Luis Obispo
Stephanie Chenard, Professor, Business, City College of San Francisco

Moderator:
Melinda Riley, Professor, Sociology; Co-Chairperson, Sustainability Steering Committee, Butte Community College

Applying Transportation Research in Policy and Practice

Monday, June 22nd
4:00-5:15pm
Harbor Room, UCen

This session will highlight researchers who have effectively bridged the gap between the solutions being discovered on campus and the policies and practices being implemented throughout the state. Dr. Margulici will discuss the challenges and opportunities in bringing new innovations to Market. Dr. Weinstein Agrawal will then take us into the policy sphere, highlighting best practices from the congressionally established Mineta Transportation Institute (MTI). Lastly, we will hear a presentation from researchers at UC Riverside who used their research to establish a campus car-sharing program, Intellishare, and are collecting information from that program to further new research.

Speakers:
Asha Weinstein Agrawal, PhD, Director, MTI National Transportation Finance Center; Associate Professor, Department of Urban and Regional Planning, San José State University
JD Margulici, Associate Director, California Center for Innovative Transportation (CCIT), UC Berkeley
Michael Todd, PE, Principal Development Engineer, Center for Environmental Research and Technology, College of Engineering, UC Riverside

Moderator:
Kostas Goulias, PhD, Professor, Geography, UC Santa Barbara

Student Led and Service Learning Curriculum

Tuesday, June 23rd
10:30-11:45am
Harbor Room, UCen

Learn about ways to encourage students to take an active role in the development of their academic experiences. Chad Worth, a student at Cal Poly San Luis Obispo, will discuss the Industrial and Manufacturing Engineering Sustainability Council, where students and faculty work to infuse sustainability into curriculum. The Sustainable Agri-food Systems Fellowship Program, coordinated by the Center for Agroecology and Sustainable Food Systems at UC Santa Cruz, will present on the development of their program. Professor Cushing will present on incorporating practical projects into student coursework and teaching students how to develop a project prospectus and to research and implement a project.

Speakers:
Katherine Cushing, Associate Professor, Environmental Studies, San Jose State University
Tim Galarneau, Sustainable Agri-food Systems (SAS) Fellowship Coordinator, Center for Agroecology and Sustainable Food Systems, UC Santa Cruz
Kelsey Meagher, Sustainable Agri-food Systems (SAS) Fellow; Student, Cognitive Science, UC Irvine
Hai Vo, Sustainable Agri-food Systems (SAS) Fellow, UC Sustainable Agrifood Systems, Student, Social Ecology, UC Irvine
Chad Worth, Student, Industrial Engineering, Cal Poly San Luis Obispo
Moderator:
Karen Groppi, PE, Instructor, Engineering, Cabrillo Community College; UC Santa Cruz

Biographies:
Asha Weinstein Agrawal, PhD, Director, MTI National Transportation Finance Center; Associate Professor, Department of Urban and Regional Planning, San José State University
Dr. Asha Weinstein Agrawal is Director of the Mineta Transportation Institute’s National Transportation Finance Center at San José State University, as well as an Associate Professor in the Urban and Regional Planning Department at San José State. Her research and teaching interests include transportation policy and planning, transportation finance, and transportation history. She has a BA from Harvard University, a MSc from the London School of Economics and Political Science, and a PhD from UC Berkeley.

David Braun, Professor, Electrical Engineering, Cal Poly San Luis Obispo
Professor Braun joined the Electrical Engineering Department at Cal Poly San Luis Obispo in 1996. He completed his PhD in Electrical and Computer Engineering at UC Santa Barbara in 1991 and subsequently worked for Philips Research Laboratories in Eindhoven, The Netherlands, on semiconducting polymers for display applications. He holds nine US patents. He teaches courses in electronics, solid-state electronics, polymer electronics, and sustainability.

Stephanie Chenard, Professor, Business, City College of San Francisco
Stephanie received her MBA in sustainable management and green business and has worked consulting with businesses and educational institutions as a Sustainable Business and Educational Consultant. She worked with City College of San Francisco to help create green business curriculum for their business department and has instructed the first semester of these courses. Stephanie continues to work with the college to build and expand on their green business services and offerings.

Katherine Cushing, Associate Professor, Environmental Studies, San José State University
Katherine Kao Cushing is an Associate Professor of Environmental Studies at San José State University, where she specializes in domestic and international water policy. She teaches the Department’s Senior Seminar course, which focuses on campus sustainability. Additionally, she has conducted research assessing sustainability programs across the 23 campus CSU system. Prior to joining San Jose State, Dr. Cushing was the Associate Director for the Program on Urban Studies at Stanford, where she served on the committee for Student Initiated Courses.

Tim Galarneau, SAS Fellowship Coordinator, Center for Agroecology and Sustainable Food Systems, UC Santa Cruz
Mr. Galarneau also advises the California Student Sustainability Coalition Foods initiative, which is working in collaboration with UC staff to develop sustainable food service guidelines for the University of California and to organize students across CA higher education. From community food policy involvement to elevating the potential for food the be delivered directly from farm to institution within higher education, Mr. Galarneau is a passionate advocate and resource for food-based transformation.

Kostas Goulias, PhD, Professor, Geography, UC Santa Barbara
Kostanidos Goulias is a professor in Geography at UC Santa Barbara and teaches courses in Transportation Systems Planning and Analysis at the undergraduate and graduate levels. Dr. Goulias is the founder and chair of the National Research Council-transportation Research Board Task Force on “Moving Activity Based Approaches to Practice.” Dr. Goulias received his MSCE in Civil Engineering at the University of Michigan and received his PhD in Civil Engineering at UC Davis.

Karen Groppi, PE, Instructor, Engineering Department, Cabrillo CC and UC Santa Cruz
Karen Groppi, PE is an Engineering instructor at Cabrillo Community College and UC Santa Cruz. As an engineer, her interest is in serving humanity by understanding how things work and discovering how to make them work better. Engaging in this process with students in and outside of the classroom leads to optimum learning and teaching experiences.

LeeAnne G. Kryder, Lecturer, Writing Program, UC Santa Barbara
Dr. LeeAnne G. Kryder teaches professional communication for UC Santa Barbara’s Writing Program. She directs the business communication emphasis in the Professional Writing Minor and teaches environmental communication. LeeAnne has incorporated “green” business plans and sustainability principles in business communication courses over the past decade, and she serves as a campus change agent for sustainability. She serves on two campus-wide committees: one for research and curriculum in sustainability, and the other for communicating sustainability principles and practices.
JD Margulici, Associate Director, California Center for Innovative Transportation (CCIT), UC Berkeley

J.D. Margulici is the Associate Director of the California Center for Innovative Transportation (CCIT) at UC Berkeley, whose charter is to accelerate the implementation of research results and new technologies. J.D. has 10 years of experience designing, marketing, and deploying information systems, with primary applications to road traffic management and public transit, airport infrastructure, and air traffic control. He holds a BS from Ecole Polytechnique in Paris, France, and a MS in Transportation Engineering from UC Berkeley.

Kelsey Meagher, Sustainable Agri-food Systems (SAS) Fellow; Student, Cognitive Science, UC Irvine

Kelsey Meagher is an undergraduate student in the department of Cognitive Sciences at UC Irvine. This year, she was selected to serve as a Sustainable Agrifood Systems (SAS) Fellow through the Center for Agroecology and Sustainable Food Systems (CASFS) at UC Santa Cruz. She is using her fellowship to conduct a sustainability assessment of campus dining and develop educational programs around sustainable food systems. After she receives her bachelor’s degree, she plans to attend graduate school in hopes of securing a career in research or academia.

Melinda Riley, Professor, Sociology; Co-Chairperson, Sustainability Steering Committee, Butte Community College

Melinda Riley holds a B.A. and a M.A. in sociology from UC Berkeley, and UC San Diego respectively. After qualifying for PhD candidacy in 1998, she joined the faculty at Butte College where she specializes in Mass Media, Globalization, and Sustainability Studies Courses. Riley is a Co-Chair of the Butte College Sustainability Steering Committee, representing faculty and the curriculum component of sustainability education at the College. She is also the Coordinator of the Clear Creek Project, a campus-wide sustainability curriculum development project. Last year, Riley developed a Sustainability Studies Certificate Program. This year, she is designing a community college level Sustainability Studies Degree Program.

Michael Todd, PE, Principal Development Engineer, Center for Environmental Research and Technology, College of Engineering, UC Riverside

Michael Todd received his BS degree in Environmental Engineering in 1994 from UC Riverside and is a California registered Traffic Engineer (PE). Mr. Todd is a Principal Development Engineer with the UC Riverside College of Engineering – Center for Environmental Research and Technology (CE-CERT). He is responsible for the management and implementation of Intelligent Transportation Systems research projects which improve mobility and transportation efficiency. Areas of ITS expertise include vehicle telematics, transportation simulation, and shared vehicle systems.

Hai Vo, SAS Fellow, UC Sustainable Agrifood Systems; Student, Social Ecology, UC Irvine

Hai Vo is a Social Ecology undergraduate studying sustainable food systems. As part of his fellowship for the UC Sustainable Agrifood Systems (SAS), he co-conducted a food assessment of UC Irvine that sought to discover how ecologically-sound, community-based, humane, and fair the food served on campus was. Hai loves to cook, and he is oftentimes found using the best ingredients from local farms for his culinary delights. Post-graduation plans include farm apprenticeships and being an advocate for real food.

Chad Worth, Student, Industrial Engineering, Cal Poly San Luis Obispo

Chad is the former President of the Empower Poly Coalition, the coalition of sustainability clubs and organizations on campus. With a passion for energy, Chad has worked as a Technical Solutions Engineer for PG&E and has also worked for Local Power Inc. as a community organizer, hosting Energy Town Hall events around San Luis Obispo County. Chad founded the Industrial & Manufacturing Engineering Sustainability Council and is a columnist for the Mustang Daily’s Green Spot.

Eco Facts:

Bicycles are the most efficient method of transporting a human, at about 35 calories of energy per passenger mile, while walking uses about 100, and cars use about 1860 calories per mile.
Social Equity Track

Equitable Housing and Development Practices
Monday, June 22nd
10:00-11:30am
State Street Room, UCen

This session will highlight ways to create low cost housing and keep neighborhoods and living spaces green. Los Angeles CCD will present on innovative digital tools that planners can use to help empower the community to re-envision their neighborhood or campus. MBA students at UC Berkeley will present on their plan to collaborate with campus housing cooperatives to create large scale, low cost housing, including housing that fits non-traditional students. Lastly, we will learn about how to address sustainability in a community of renters and landlords.

Speakers:
Dak Kopec, Associate Professor, Architecture, NewSchool of Architecture and Design
Kevin Casey, Master's Candidate, The Haas School of Business, UC Berkeley
Marcela Oliva, District Discipline Co-Chair; Professor, Architecture and Environmental Design, Los Angeles Trade-Technical College

Moderator:
Robert Gilbert, Sustainability Coordinator, Housing and Hospitality Services, UC Los Angeles

Green Collar Jobs
Monday, June 22nd
4:00-5:15pm
State Street Room, UCen

A commitment to workforce development is growing in importance and provides an opportunity for new solutions. Los Angeles CCD will provide lessons learned from the example of Los Angeles Trade Tech, which, as an early adopter of green workforce development, has integrated sustainability into courses throughout the campus. The Vice Chancellor of Economic and Workforce Development will discuss connecting these curricular initiatives with the well-known green building program in the district. A presenter from the Center for Excellence will highlight their research to determine labor market demand for green jobs.

Speakers:
Marcy Drummond, Vice President, Workforce and Economic Development, Los Angeles Trade-Technical College
Marvin Martinez, Vice Chancellor, Economic and Workforce Development, Los Angeles CCD
Lisa Lewenberg, Director, Center for Excellence, Los Angeles CCD

Moderator:
Michael Swords, Director of Strategic Initiatives, Office of the Vice Chancellor of Research, UC Los Angeles

Biographies:
Kevin Casey, Master's candidate, Haas School of Business, UC Berkeley
Kevin Casey is the co-founder of a firm that seeks to unite people owning underutilized land with investors interested in secure micro-investment opportunities. The goal of this business is to create small homes that produce more energy than they consume and to create a new credit network that allows homeowners to install these homes at no upfront cost. This solution is aimed directly at student housing and the aggressive greenhouse gas reduction policies of UC Schools.

Marcy Drummond, Vice President, Workforce and Economic Development, Los Angeles Trade-Technical College
Marcy Drummond is Vice President of Workforce Education and Development at Los Angeles Trade-Technical College. She spearheaded LA Trade Tech's Green College Initiative, which has received national recognition. She is a member of the National Commission on Energy Policy's Task Force on America's Future Energy Jobs and Green For All's national Green Pathways Out of Poverty Community of Practice. In 2008, she was awarded the Green Achievement Award for Workforce Development by an Individual (California) by Green Technology Magazine.

Robert Gilbert, Sustainability Coordinator, Housing and Hospitality Services, UC Los Angeles
As Housing & Hospitality Services’ Sustainability Coordinator, Robert Gilbert is responsible for crafting and maintaining a forward looking sustainability strategic plan for all divisions of Housing & Hospitality Services. As part of this charge, Robert assists, promotes, and tracks the success of sustainability programs within each division. Robert received his undergraduate degree from the University of
Michigan in Resource and Ecology Management. He is currently in the filing stage of his doctoral dissertation in Environmental Health Sciences at UC Los Angeles.

**Dak Kopec**, Associate Professor, Architecture, NewSchool of Architecture and Design

Dak Kopec specializes in human perceptions and interactions with the built environment. His interest is in the promotion of environmental modification for optimal health. He has a PhD in Environmental Psychology and two master's degrees, one in Architecture and another in Community Psychology. Dak has written three books, two monographs, and several journal articles. He is an Associate Professor at the NewSchool of Architecture and Design, and he has served as a visiting lecturer at Virginia Commonwealth University and as a Visiting Professor at the University of Hawaii.

**Lisa Lewenberg**, Director, Center for Excellence

Lisa Lewenberg directs the Center for Excellence for the Los Angeles region hosted at the Los Angeles Community College District. The Center is one of ten regional Centers of Excellence funded by the California Community Colleges’ Chancellor’s Office. Her efforts include partnering with business and industry to deliver workforce research and information customized for community college decision-making and resource development.

**Marvin Martinez**, Vice Chancellor, Economic and Workforce Development, Los Angeles CCD

Marvin Martinez is Vice Chancellor of Economic and Workforce Development for the Los Angeles Community College District. He previously served as Vice President of Planning and Development at the Santa Monica Community College District, where he provided administrative leadership over Workforce and Economic Development, Contract Education, Government Affairs, and the Small Business Development Center. Mr. Martinez was Provost at the college, where he was responsible for planning and supervising a new off-campus site.

**Marcela Oliva**, District Discipline Co-Chai; Professor, Architecture and Environmental Design, Los Angeles Trade-Technical College

Developing sustainable educational models and new persuasive tools, Ms. Oliva incorporated the vision of a mathematical, nature-driven space that operates in a digital environment within a design process that is connected to the community. She also envisioned and implemented an architecture studio for the district geospatial repository and enterprise building model to visualize/operate space among stakeholders, maintain buildings, monitor active solar strategies, and plan the economic development strategies for nine campuses, totaling five million square feet. She received the governor’s number one SB70 GIS grant and received federal and state grants in Computer Assisted Drafting, Geographic Information Systems, and Building Information Modeling.

**Michael Swords**, Director of Strategic Initiatives, Office of the Vice Chancellor of Research, UC Los Angeles

Mr. Swords’ group is responsible for working with government and other stakeholders on developing and strengthening UC Los Angeles’ research enterprise; raising its local, national, and international profile; facilitating investment and partnering opportunities; and undertaking activities related to the attraction, development, and retention of the UCLA faculty. Prior to joining UCLA, Mike worked as a Legislative Aide on Capitol Hill in Washington, DC, and for several high-tech start-ups.
**Student Leadership in Sustainability Curriculum, Funding, and Freshman Orientation**

Monday, June 22nd  
10:00-11:30am  
Harbor Room, UCen

Students are an integral part of campus sustainability. These sessions highlight instances where students have risen as leaders on projects focused on curriculum, funding, and orientation. Students from UC Berkeley will share their experience of implementing a curriculum-based program to improve building efficiency. A student at Earl Warren College at UC San Diego will explain the process of implementing sustainability into freshman orientation. Furthermore, a presenter from CSU Chico will discuss strategies for students to successfully apply for funding from a sustainability fund.

**Speakers:**

- **J. Elliot Nauman**, Master’s Candidate, Building Science Program, UC Berkeley  
- **Eliahv Perszyk**, Facilities Manager, College of Environmental Design, UC Berkeley  
- **Raul Abesamis**, Energy Engineer, Physical Plant, Utilities Engineering, UC Berkeley  
- **Robyn DiFalco**, Sustainability Coordinator, Associated Students, CSU Chico  
- **Ashley Ferrer**, Student Orientation Coordinator; Student, Economics and Environmental Systems, UC San Diego

**Moderator:**

- **Felicia McGinty**, Vice Chancellor, Student Affairs, UC Santa Cruz

**Best Practice Awardees for Student Sustainability Programs**

Tuesday, June 23rd  
2:15-3:30pm  
Harbor Room, UCen

This session includes presentations from Best Practice Award winners in the Student Energy Efficiency Project and Student Sustainability Project categories. Green Campus Program interns from UC San Diego will discuss their role in securing LEED™ EB certification for the Campus Services Complex; Green Campus Program interns from Cal Poly San Luis Obispo will present their efforts to improve the energy use and water efficiency of campus dishwashing and to implement power management software on campus PCs; and a recently graduated student from CSU Northridge will present on a student-designed project that utilizes the waste water and carbon-dioxide by-products of the campus fuel cell to nurture a sub-tropical rainforest habitat on campus.

**Speakers:**

- **Sarah Fleming**, Team Manager, Green Campus Program; Student, Architecture, Cal Poly San Luis Obispo  
- **Jessica Wall**, Intern, Green Campus Program, Student, Environmental Systems; Economics, UC San Diego  
- **Susan Kram**, Intern, Green Campus Program; Student, Ecology, Behavior and Evolution, UC San Diego  
- **Mikhail Yefimov**, Energy Engineer, Digital Energy, Inc.  
- **Karon Klipple**, Assistant Professor, Mathematics; Chair, Environmental Stewardship Committee, San Diego City College

**Moderator:**

- **Crystal Durham**, Executive Director, California Student Sustainability Coalition

**Biographies:**

- **Raul Abesamis**, Energy Engineer, Physical Plant, Utilities Engineering, UC Berkeley  
  Raul Abesamis has a BS in Industrial Engineering and is currently an Energy Engineer in UC Berkeley Physical Plant-Campus Services department. He has developed and implemented energy conservation projects at the university, focusing on improving energy efficiency through lighting and HVAC retrofits and control systems automation. Mr. Abesamis is a campus project manager for the implementation of the monitoring-based commissioning, metering, and retrofit projects under the UC/CSU/IOU Partnership Program.

- **Robyn DiFalco**, Sustainability Coordinator, Associated Students, CSU Chico  
  Robyn DiFalco is the Sustainability Coordinator for the Associated Students at CSU Chico. Her primary role is to administer the AS Sustainability Fund, which offers approximately
$70,000 annually to student-initiated projects. She is also responsible for advising all departments of the Associated Students on sustainability practices. Prior to holding this position, her background was in commercial recycling. She graduated from CSU Chico in 1999.

**Crystal Durham**, Executive Director, California Student Sustainability Coalition

As a student and recent graduate, Crystal helped to catalyze sustainability efforts across the UC Los Angeles campus, including the Associated Students, the Campus Sustainability Committee, and Housing & Hospitality Services. She also participated in the evolution of the system-wide UC Policy on Sustainable Practices. In August of 2007, she started serving as Executive Director of the California Student Sustainability Coalition (CSSC) and has spent the last two years working to grow the CSSC into a thriving statewide network.

**Ashley Ferrer**, Student Orientation Coordinator; Student, Economics and Environmental Systems, UC San Diego

Ashley Ferrer graduated in June 2009 from UC San Diego with a BA in Economics and a BA in Environmental Systems: Environmental Policy. While at UCSD, Ashley interned with the Sustainability Solutions Institute and served as a Warren College Student Orientation Coordinator and Orientation Leader. She was also a member of the 2008 and 2009 Earth Week Steering Committees. Her most important goal was to increase awareness of sustainability on campus through educational and informative activities and resources.

**Sarah Fleming**, Team Manager, Green Campus Program; Student, Architecture, Cal Poly San Luis Obispo

Sarah Fleming is an architecture student with a minor in sustainable environments. She recently took over as the team manager for the Green Campus Program at Cal Poly San Luis Obispo. Prior to becoming team manager, Sarah conducted outreach and educational efforts for a month-long, six-dorm energy reduction competition that resulted in approximately $10,000 in electricity, natural gas, and water savings for the university.

**Susan Kram**, Intern, Green Campus Program; Student, Ecology, Behavior and Evolution, UC San Diego

Susan Kram is a second year ecology, behavior, and evolution major at UC San Diego. This is her first year as a Green Campus intern. As an intern, Susan has been involved with several projects, including energy and water assessments, giving students the option to “opt-out” of cover sheets on print jobs, and a laundry project that will implement drying racks in on-campus apartments.

**Felicia McGinty**, Ed.D, Vice Chancellor, Student Affairs, UC Santa Cruz

Felicia McGinty joined UC Santa Cruz in August 2007 from Pennsylvania State University-University Park, where she served as Associate Vice President for student engagement. Before that, she was Assistant Vice President for student affairs at the University of Maryland, Baltimore County; Director of new student experience at Montclair State University; and Assistant Director of the division of student services at Northern Arizona University. She has held leadership positions in the National Association of Student Personnel Administrators and was in a select group of senior administrators chosen to participate in Harvard University’s Institute for Educational Management.

**J. Elliot Nauman**, Master’s candidate, Building Science Program, UC Berkeley

J. Elliot Nahman is a graduate student in the Building Science program at UC Berkeley. He received his BA in Architecture from UCB with a minor in Ecological Design in 2006. Later, he became a LEED™ Accredited Professional. Before returning to UCB, Elliot worked first as a designer in a small architecture studio and later as a cost estimator for a large construction management and cost-estimating firm. He does research on radiant cooling and thermal comfort modeling with the Center for the Built Environment at UCB.

**Eliahu Perszyk**, Facilities Manager, College of Environmental Design, UC Berkeley

Eliahu Perszyk has been the Facilities Manager for the College of Environmental Design at UC Berkeley since September 2007. Eliahu is coordinating the LEED™ EB program at Wurster Hall and is working to develop collaborative projects that promote sustainability on campus. Eliahu graduated with a BA in Environmental Studies from Antioch College in 2002.

**Jessica Wall**, Intern, Green Campus Program, Student, Environmental Systems; Economics, UC San Diego

Jessica Wall has worked for 3 years as a Green Campus Intern, focusing on dining energy efficiency and water conservation. Jessica’s other experience includes interning for the San Diego Coastkeeper Environmental Law and Policy Clinic, founding membership in the UC San Diego Compost Team, and active involvement in the Social and Environmental Sustainability Committee. Jessica is a recent graduate of UC San Diego with degrees in Environmental Systems (Policy) and Economics.
Mikhail Yefimov, Energy Engineer, Digital Energy, Inc.

Mikhail Yefimov is currently working as an Energy Engineer for Digital Energy, Inc. Mikhail graduated from California State University, Northridge with a MA in Electrical Engineering. Mikhail worked for Physical Plant Management as an Engineering Assistant and held the position of Lead Student Engineer on the Phase II: Satellite Chiller Plant and Subtropical Rainforest: Design, Build, Construct Project. Mikhail also worked as an Engineering Assistant on the Phase I: 1 MW Fuel Cell Power Plant Installation, the single largest fuel cell power plant at any university in the world.

Eco Facts:

“The greatness of a nation and its moral progress can be judged by the way its animals are treated. I hold that, the more helpless a creature, the more entitled it is to protection by man from the cruelty of man.”

— Mohandas Gandhi
Student Presentations on Sustainable Transportation

Monday, June 22nd
2:15-3:30pm
State Street Room, UCen

Students are doing important work to advance sustainable transportation on their campuses and beyond. This session features student research projects involving commuter behavior, transportation decision-making, and the culture and community of bicycling.

Speakers:

Kristin Lovejoy, Doctoral Candidate, Transportation, Technology and Policy Program, UC Davis
Sarah Olsen, Student, Environmental Studies; Bike Class organizer, UC Santa Cruz
Paul Hempstead, Student; Bike Class organizer, UC Santa Cruz
Chris Congleton, Doctoral student, Institute of Transportation Studies, UC Davis

Moderator:

Reginald James, Intern, External Affairs, AC Transit; Student, Political Science, Laney College

Tools for Reducing GHG from Transportation; Climate Action Plans

Tuesday, June 23rd
2:15-3:30pm
State Street Room, UCen

Campuses are developing and using Climate Action Plans to guide their greenhouse gas emission reductions, including reducing emissions from transportation. This session will address calculating commuter emissions, challenges and opportunities for reducing business air travel, and emission reduction through better campus planning.

Speakers:

Dave Karwaski, Transportation Planning and Policy Manager, Transportation, UC Los Angeles
Wendy Bloom, Campus Planner, San Francisco State University
Jim Stickley, ALSA, LEED™ AP, Principal, Wallace Roberts & Todd, LLC, San Francisco
Jessica ter Schure, Senior Associate, Nelson \ Nygaard, San Francisco
Kira Stoll, Sustainability Specialist, Office of Sustainability, UC Berkeley

Moderator:

Charlotte Strem, Acting Director, Physical and Environmental Planning, UC Office of the President

Saving Green by Being Green

Tuesday, June 23rd
10:30-11:45am
State Street Room, UCen

The current economic climate is influencing transportation decisions of institutions and individuals. This session explores green transportation business practices, affordable student transportation programs, successes in ridesharing, and tools for making transportation funding decisions.

Speakers:

Dave Weil, Director of Sustainable Operations, Auxiliary and Plant Services, UC San Diego
Diana Ho, Transportation Consultant, Los Angeles CCD
Sirinya Tritipeskul, Intern, Transportation, UC Los Angeles
Logan Green, Co-founder; CEO, Zimride
John Zimmer, Co-founder; COO, Zimride
Tessa Petrich, Director of University Marketing, Zimride

Moderator:

Renee Fortier, Director, Transportation, UC Los Angeles

Biographies:

Wendy Bloom, Campus Planner, San Francisco State University

Wendy Bloom is campus planner at San Francisco State University, overseeing implementation of planning and design projects identified in the campus master plan. These include major building projects, such as the design of a new Creative Arts Center, and transportation planning, including a comprehensive baseline survey and development of a Transportation Demand Management (TDM) plan. Prior to joining SF State, Wendy was part of the consultant team that developed the master plan.
**Chris Congleton**, Doctoral Candidate, Institute of Transportation Studies, UC Davis

Chris Congleton is a PhD candidate in Transportation Technology and Policy at UC Davis. His work examines collective problem-solving of transportation-related problems from multiple angles, through understanding the combination of individual and community-level decision processes, transportation infrastructure, and travel and communication technologies that, together, entail aggregate travel behavior in communities. His recent work focuses on lower impact mode safety, the separation of local lower impact travel from regional travel, human hybrid electric vehicle design for low speed lightweight mode networks, modeling collective action in travel behavior, and comparing community-based approaches to transportation planning processes.

**Renee Fortier**, Director, Transportation, UC Los Angeles

Reneé Fortier received her BA from Rice University and MA/MS degrees from UC Los Angeles, where she has been Director of Transportation since 2003. UCLA Transportation has reduced its drive-alone rate, increased average vehicle ridership, decreased the number of vehicle trips coming to campus through an award-winning alternatives program (which includes subsidized transit, carpool, car-share, cycling, and a vanpool system serving 85 communities), has implemented a clean fuel shuttle system, and has greened over 1/3 of the vehicle fleet.

**Logan Green**, Founder; CEO, Zimride

Logan has a background in high-tech transportation solutions and sustainability. As a student at UC Santa Barbara, Logan helped create several new programs, including the university’s first car-sharing program and The Green Initiative Fund (TGIF). Additionally, he was the youngest person to be appointed to the board of the Santa Barbara Metropolitan Transit District. After graduation, Logan worked at UCSB as a sustainability coordinator and the TGIF grants manager. Logan and John Zimmer founded Zimride with the goal of bringing ridesharing into the mainstream. UC Los Angeles has contracted with Zimride to provide the technology and marketing resources to bring their campus ridesharing community to life.

**Paul Hempstead**, Student; Bike Class organizer, UC Santa Cruz

Paul is a master of many things, including bicycle mechanics. He is the head mechanic for the lab portion of the UC Santa Cruz bike class. He also is a welder, national champion of trials mountain biking, and a sailor. He studies art, focusing on public art.

**Diana Ho**, Transportation Consultant, Los Angeles CCD

Diana Ho has served as the Transportation Consultant to the Los Angeles Community College District since 2003. Diana has identified transportation needs for the nine LACCD colleges, and has received grants to help the District improve student access to and encourage use of transportation systems. To support the District’s commitment to sustainability and reduction of carbon emissions, Diana helped launch the District-subsidized student TAP program, which now provides transit passes for about 32,000 full-time students.

**Reginald James**, Intern, External Affairs, AC Transit; Student, Political Science, Laney College

Reginald often says his “introduction to the ‘Green’ movement was recycling cans for cash as a youth.” It was the same desire to save money that got him involved in transportation justice. While serving two years as Student Trustee for the Peralta Colleges, he was instrumental in creating a one-year pilot program to discount bus passes for full-time students. He currently interns at AC Transit, implementing the program he advocated. He is a political science major at Laney College.

**David Karwaski**, Transportation Planning and Policy Manager, Transportation, UC Los Angeles

David Karwaski is the Transportation Planning and Policy Manager at UC Los Angeles. Dave is a long-time transportation planner who has been employed in the field for the past fifteen years. He has worked on corridor studies in Pennsylvania, congestion management systems in Florida, and, now, sustainable transportation and demand management at UCLA. His education background is not planning, but, rather, economics. Via that training, he brings an analytical perspective to the transportation planning field.

**Kristin Lovejoy**, Doctoral Candidate, Transportation, Technology and Policy program, UC Davis

Kristin Lovejoy is a PhD student in the Transportation, Technology, and Policy program at UC Davis, having completed a master’s there in 2006. She designed and administered the 2008-09 UC Davis Campus Travel Survey, with joint support from the Transportation and Parking Services and the Sustainable Transportation Center at UC Davis.

**Sarah Olsen**, Student, Environmental Studies; Bike Class organizer, UC Santa Cruz

Sarah is a third year environmental studies major and physics and legal studies minor at UC Santa Cruz. She has been a campaign coordinator of the transportation campaign of the Student Environmental Center since fall of 2008. Sarah was part of a small group of students who came up with the idea...
for the bike projects back in 2007. She has continued to work passionately ever since, helping facilitate the class in 2008 and running the Bike Library.

**Tessa Petrich**, Director of University Marketing, Zimride
Tessa oversees Zimride’s efforts to build critical mass at our partner campuses and corporations. After graduating from Harvard, Tessa moved back to her native Los Angeles, to work in Business Development for Atomic Online. Tessa’s favorite Zimride is from Palo Alto to SF or any trip that involves Disney sing-alongs.

**Jessica ter Schure**, Senior Associate, Nelson \ Nygaard, San Francisco
Jessica specializes in assisting clients to reduce trip generation and parking demand by encouraging physical improvements in pedestrian, bicycle, and transit access, as well as a mix of parking management techniques and Transport Demand Management strategies. Jessica has been involved in several campus plan studies, most recently in the later stages of the San Francisco State University master plan development, where she drafted the University’s TDM program.

**Jim Stickley**, ALSA, LEED™ AP, Principal, Wallace Roberts & Todd, LLC, San Francisco
Jim is a principal with the San Francisco office of Wallace Roberts & Todd, a planning and design firm with a national practice in campus planning and urban revitalization. Jim has been involved with helping a number of university clients pursue sustainable strategies for the planning and design of their campuses. Jim’s involvement with public agency clients has focused on helping revitalize urban neighborhoods through development of strong and functional public space frameworks. Most of WRT’s projects involve consensus-oriented community-based processes.

**Kira Stoll**, Sustainability Specialist, Office of Sustainability, UC Berkeley
Kira Stoll joined UC Berkeley’s Office of Sustainability in 2008 to lead the campus greenhouse gas emissions inventory process and manage implementation of climate mitigation projects. Kira has worked for UC for 20 years - including transportation planning work at both the UC Berkeley and UC Santa Cruz campuses. Her educational training includes a BA and certification as a planner. Kira calculates her annual personal carbon footprint to be six metric tons – in the next year she plans to reduce this by 25% through energy efficiency measures.

**Charlotte Strem**, Acting Director, Physical and Environmental Planning, UC Office of the President
Ms. Strem coordinates land use planning and compliance with the California Environmental Quality Act for all University of California campuses and properties. She is responsible for implementing UC’s Sustainable Transportation policy, working with UC fleet and Transportation and Parking managers. She is one of the first graduates of UC Santa Barbara’s Environmental Studies Program (1974).

**Sirinya Tritipeskul**, Intern, Transportation, UC Los Angeles
Sirinya Tritipeskul received her master’s degree in urban planning at UC Los Angeles. As an intern at UCLA Transportation, she worked closely with the Zimride team to promote the Zimride Facebook application and carpooling to the 35,000 students enrolled at UCLA. Sirinya also has experience leveraging Web 2.0, new media, and social networking to promote Transport Demand Management programs and to advance the causes of Bruins for Traffic Relief.

**Dave Weil**, Director of Sustainable Operations, Auxiliary and Plant Services, UC San Diego
Dave Weil is UC San Diego’s Director of Sustainable Operations. In this capacity, he manages UCSD’s Building Commissioning and Operational Sustainability programs, including development and implementation of campus renewable energy, water conservation, sustainable fleet, and green building initiatives. Dave’s previous experience includes over 25 years in facilities management, including service in the Navy’s Civil Engineer Corps, as well as working as the San Diego Regional Energy Office’s Director of Programs.

**John Zimmerman**, Co-founder; COO, Zimride
John Zimmerman manages Zimride's University and College operations, as well as general business development. John left Lehman Brothers in early 2008 (lucky timing), where he spent two years after graduating first in his class from Cornell University’s Hotel School. He moved from New York City to Palo Alto in July of 2008 by using Zimride to carpool across America. His favorite Zimride is New York to Ithaca.
Rethinking Diversion Rates and Innovations in Waste Management

Monday, June 22nd
10:00-11:30am
Flying A Room, UCen

Learn about new policy developments from the California Integrated Waste Management Board and two innovative case studies of campuses that are pursuing bold new initiatives to reach zero waste. The State of California has recently shifted its measurement of success in waste management programs from the typical diversion rate to a per capita disposal rate. UC Davis will present on zero waste event organizing. UC Santa Barbara will present on their web-based surplus equipment transfer system with a built-in campus approval process.

Speakers:

Lin King, Program Manager, R4 Recycling Program, UC Davis
Kathy Scheidemen, Management Services Officer, Institute for Computational Earth System Science (ICESS), UC Santa Barbara
Sonam Gill, Intern, Laboratory Research and Technical Staff (LabRATS); Student, Ecological, Evolution, and Marine Biology, Black Studies, UC Santa Barbara

Moderator:

Joe Rasmussen, Integrated Waste Management Specialist, California Integrated Waste Management Board

Student-Run Recycling Programs; Innovation Techniques, Opportunities for Growth, and Evaluation

Monday, June 22nd
4:00-5:15pm
Flying A Room, UCen

The UC Santa Barbara and CSU Chico Associated Students Recycling Programs offer a unique experience for the campus, especially for students, to participate in recycling and waste reduction. UCSB will present on innovative efforts in electronic waste recycling, composting, and utilizing student bike-riders for collection. CSU Chico will discuss the challenges in scaling up their quickly growing program. Members of Project Zero Waste, which was inspired by a business honors recycling project, will provide a fresh perspective, sharing their analysis and recommendations of CSU Northridge’s AS Recycling Program on a commuter campus.

Speakers:

Ryan Kintz, Recycling Program Coordinator, Associated Students, UC Santa Barbara
Eli Goodsell, Recycling Operations Coordinator, Associated Students, CSU Chico
Sheela Bhongir, Leader, Project Zero Waste; Student, Urban Studies and Planning, CSU Northridge
John Garcia, Project Zero Waste; Student, Business and Political Science, CSU Northridge

Moderator:

Silas Snyder, Safety, Training and Conservation Coordinator, University Housing Services, Facilities, UC Santa Cruz

Biographies:

Sheela Bhongir, Leader, Project Zero Waste; Student, Urban Studies and Planning, CSU Northridge
Sheela Bhongir co-founded Project Zero Waste with the vision of a zero waste CSU Northridge community. The project was originally developed as a Business Department Honors Program campus recycling project. She collaborated with two business students and the project’s faculty mentor, Professor Kurland. Although the project was meant to last for only one semester, she decided to continue the project and opened the opportunity for students from various disciplines to participate. In addition to urban studies and planning, Sheela also has minors in Geographic Information Systems and Business Information Systems.

John Garcia, Project Zero Waste; Student, Business and Political Science, CSU Northridge
John Garcia is pursuing a career in international environmental law and politics. His life goals center on promoting social equity, keeping our planet healthy, and enabling others to fulfill their potential. Currently he is working on forming an alliance of students, faculty, and staff at his university to promote sustainable and environmentally conscious policies and actions. He hopes that one day this alliance will join the coalition of LA County residents, schools, and centers researching and developing new green initiatives.

Sonam Gill, Intern, Laboratory Research and Technical Staff (LabRATS); Student, Ecological, Evolution, and Marine Biology; Black Studies, UC Santa Barbara
Sonam is the head intern for the UC Santa Barbara Green Chemistry Initiative, a program of LabRATS. Over the past year, Sonam has branched out to address recycling and surplus equipment management within laboratories. This program was recently honored with the “Go Beyond” Organization Award from the International Institute for Sustainable Laboratories. Sonam is also a Sustainability Ambassador at UCSB, a program that was created to help students enhance public speaking skills to promote sustainability on campus and in the community.

**Eli Goodsell**, Recycling Operations Coordinator, Associated Students, CSU Chico

Eli Goodsell started working for the CSU Chico Associated Students Recycling Program as a freshman. Within two years, Eli was in charge of supervising a number of students and running the recycling warehouse. After graduating, he was hired as full-time career staff with Associated Students as the Recycling Operations Coordinator at CSU Chico.

**Lin King**, Program Manager, R4 Recycling Program, UC Davis

Lin completed his BS from UC Davis in Environmental Science and his master’s at Fresno State, focusing on evaluating and reporting the status of recycling programs at all the CSUs and became the first graduate student recycling coordinator at Fullerton. Lin has managed the R4 recycling program at UC Davis for over ten years and served as Vice President on the California Resource Recovery Association Board and as Chair of the California Collegiate Recycling Council.

**Ryan Kintz**, Recycling Program Coordinator, Associated Students, UC Santa Barbara

Ryan Kintz first took a leadership role within campus recycling as a student coordinator and, upon graduation, developed that line of work into a full-time staff position within Associated Students. He currently manages 38 interns and oversees vermicomposting, electronic waste and office paper recycling, collection from 90 outdoor recycling clusters on campus, and the campus recycling awards competition. Ryan completed a double-major in Environmental Studies and Physical Geography at UC Santa Barbara.

**Joe Rasmussen**, Integrated Waste Management Specialist, California Integrated Waste Management Board

Joe Rasmussen has been an environmental professional and educator for over 15 years. Through the California Integrated Waste Management Board, Joe provides technical assistance to colleges on waste reduction and campus sustainability programs. Currently, Joe is pursuing an EdD at CSU Long Beach with an emphasis in Campus Sustainability. He received a MA from CSU Long Beach in Philosophy with an emphasis in Environmental Ethics and his BS from Humboldt State University with a double major in Natural Resources and Philosophy.

**Kathy Scheidemen**, Management Services Officer, Institute for Computational Earth System Science (ICESS), UC Santa Barbara

Kathy Scheidemen has been with UC Santa Barbara for 17 years, 14 of them as Management Services Officer of ICESS. Having gone through The Natural Step training, she also co-chairs the Sustainability Procurement Team.

**Silas Snyder**, Safety, Training and Conservation Coordinator, University Housing Services, Facilities, UC Santa Cruz

Silas has been with the UC Santa Cruz, on and off, since 1985. He completed his BA in Biology and worked on the UCSC campus as a student. Beginning in 1999, he assisted in running the College Eight waste reduction program, and in 2003, began a waste reduction program at Merrill College. Silas was recruited for his present position 3 years ago and has been working towards expanding waste reduction and sustainability efforts into all the residential areas.

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**Eco Facts:**

My own actions may produce negligible effects, but multiplied by millions CHANGE CAN HAPPEN!
Emerging Technologies
Monday, June 22nd
10:00-11:30am
MCC Theater

With the State of California undergoing a major water crisis, universities have had to take an increasingly proactive role in water conservation. Many campuses have utilized emerging technologies to increase water efficiency. UC San Diego will present on Decision-Making using Real-time Observations for Environmental Sustainability (DEMROES), a wireless meteorological station network that supports energy and water conservation. Steven Williams, Julianne Nola, and David Block will present on water conservation in brewery and winery practices; and Josiah Raison Cain will present the benefits of combining vegetation on structure with on-site ecological water management.

Speakers:

Jan Kleissl, Assistant Professor, Mechanical and Aerospace Engineering, UC San Diego
Stevens Williams, AIA, LEED™ AP, Principal Design Director, Flad Architects
Julianne Nola, LEED™ AP, Senior Project Manager, UC Davis Architects and Engineers
David Block, Professor; Vice Chair, Department of Viticulture and Enology; Professor, Department of Chemical Engineering and Materials Science, UC Davis
Josiah Raison Cain, Landscape Architect; Adjunct Professor, Landscape Architecture, UC Davis; Sustainable Landscape Design, Sacramento State University

Moderator:
Dive Weil, Director of Sustainable Operations, Auxiliary and Plant Services, UC San Diego

Low-Impact Development
Tuesday, June 23rd
10:30-11:45am
MCC Theater

With continual development, California universities’ policies and practices have increasingly reflected concerns about water quality and proper stormwater management. Several campuses have made great progress in this area. CSU Chico will present on their Campus Irrigation Project, designed to increase water and energy conservation. UC Santa Barbara will present on a mitigation project for habitat restoration and stormwater management. This session will also highlight, Los Angeles CCD, the Award Winner of the Water Efficiency/Site Water Quality Award.

Speakers:

Kirby Pierson, Irrigation Specialist, Facilities Management and Services, CSU Chico
David Harris, San Clemente Project Leader, Cheadle Center for Biodiversity and Ecological Restoration, UC Santa Barbara
Tom Hall, Director, Facilities Planning and Development, Los Angeles CCD

Moderator:
Mo Lovegreen, LEED™ AP, Executive Officer, Department of Geography, UC Santa Barbara

Biographies:

David Block, Professor; Vice Chair, Department of Viticulture and Enology, Department of Chemical Engineering and Materials Science, UC Davis
Dr. Block’s laboratory at UC Davis focuses on data mining and bioprocess optimization. A winner of multiple awards for teaching including the 2008 Academic Senate Distinguished Teaching Award for Undergraduate Instruction, Dr. Block teaches both winery design and biopharmaceutical manufacturing facility design at UC Davis. He has played a critical role in the design of the initial Robert Mondavi Institute buildings, in addition to the new Teaching and Research Winery. For the latter, he has been instrumental in incorporating sustainable processing concepts such as clean-in-place technology. Prior to joining UC Davis, Dr. Block worked for the pharmaceutical company, Hoffmann-La Roche, where he helped to design and build biopharmaceutical production facilities.

Josiah Raison Cain, Landscape Architect; Adjunct Professor, Landscape Architecture, UC Davis; Sustainable Landscape Design, Sacramento State University
For 17 years, Josiah Raison Cain has provided ecologically-driven master plans and innovative green design services to hospitality, school, development, and residential clients, internationally. Josiah has led project teams for civic clients such as the New York Department of Environmental Protection (DEP), the University of California, and the California
Academy of Sciences. He holds a BS in landscape architecture from UC Davis and a Master of Design Technology & Environment from Harvard Graduate School of Design.

**Tom Hall**, Director, Facilities Planning and Development, Los Angeles CCD

Tom has received two Bachelor of Science Degrees, one in Biology from Iowa State University and another in Electronic Engineering from DeVry University. Tom also holds a Masters of Business Administration and an Education Specialist Degree in the Administration of Higher Education from the University of Central Missouri. Tom is actively involved in both the American College and University President’s Climate Commitment and the Association for the Advancement of Sustainability in Higher Education. Tom is currently working with the Los Angeles Community College’s Energy Team to make their 9 colleges energy independent using non-carbon based renewable fuels.

**David Harris**, San Clemente Project Leader, Cheadle Center for Biodiversity and Ecological Restoration, UC Santa Barbara

David has worked as a restoration fieldworker and project leader of the San Clemente Habitat Restoration and Stormwater Management Project for four years. As the project leader, David was instrumental in the final design of the various stormwater Best Management Practices on site and initiated the BMP monitoring program. David’s aspirations lie in ecological education, research, and active restoration, in relation to the threatened ecosystems throughout California and the Pacific Northwest. David received an undergraduate degree in environmental studies from UC Santa Barbara.

**Jan Kleissl**, Assistant Professor, Mechanical and Aerospace Engineering, UC San Diego

In 2006, Jan Kleissl became Assistant Professor in the Department of Mechanical and Aerospace Engineering at UC San Diego, where he was recognized with the UCSD Sustainability Award. Kleissl conducts research on the interactions of the sea breeze with urban environments with respect to the exchange of heat, water, pollutants, and solar energy production. Kleissl leads students in conducting the DEMROES measurements to study urban heat islands and energy and water use. He received his PhD in Environmental Engineering from the Johns Hopkins University.

**Mo Lovegreen**, LEED™ AP, Executive Officer, Department of Geography, UC Santa Barbara

Mo Lovegreen served on the UC Santa Barbara Campus Planning Committee’s Subcommittee that produced the Sustainability Plan approved by Chancellor Yang. She currently serves as co-chair on the water, energy, and waste change agent teams (committees) and is also a member of the procurement team. Mo was responsible for the “greening” of Bren Hall, which was the first laboratory building in the U.S. to achieve the USGBC LEED™ Platinum rating. Mo also founded the first Higher Education Sustainability Conference in California and was awarded the Sustainability Champion award at the 2006 Sustainability Conference.

**Julianne Nola**, LEED™ AP, Senior Project Manager, Architects and Engineers, UC Davis

The first LEED™ Accredited Professional at UC Davis, Julie plays a leading role in incorporating sustainability into the university’s capital projects program. Her experience there ranges from an equine treadmill facility and BSL3 laboratory to a 600-student bed housing complex. Having managed two of the University’s first design-build projects, her past experience and personal commitment were well-suited to the Brewery, Winery, and Food Science Pilot Facilities at UCD. The project is a model for LEED™ certification through competitive design-build delivery and the first building of its type designed to achieve platinum-level performance.

**Kirby Pierson**, Irrigation Specialist, Facilities Management and Services, CSU Chico

Kirby Pierson is the Irrigation Specialist for Facilities Management and Services at CSU Chico. For the Campus Irrigation Project, he improves irrigation systems, conducts audits, and analyzes data. He received his BS in Agriculture (soils and irrigation) from CSU Chico and has completed about 40 semester units of graduate study in Botany. Kirby is a Certified Irrigation Landscape Auditor (CLIA) working with the Irrigation Association.
Dave Weil, Director of Sustainable Operations, Auxiliary and Plant Services, UC San Diego

Dave Weil is the Director for Sustainable Operations in UC San Diego's Auxiliary & Plant Services Department. In this capacity, he manages UCSD’s Building Commissioning and Operational Sustainability programs, including the campus renewable energy, water conservation, sustainable fleet, and Green Building / LEED™ initiatives. Throughout his 25 years in facilities management, Dave has been dedicated to promoting sustainability and environmental responsibility. Dave is a registered Professional Civil Engineer and has a MS in Ocean Engineering.

Stevens Williams, AIA, LEED™ AP, Principal Design Director, Flad Architects

The UC Davis Brewery, Winery and Food Pilot Facilities’ design reflects Stevens’ deep personal interest in agriculture and landscape and a long-standing professional commitment to sustainability. Currently at work on a marine ecological research center, previous innovative designs for energy conservation include one of the first LEED™ certified science buildings and the Ohlone College Newark Center, the first LEED™ Platinum campus in North America. Recognition includes Best of California, Education Award; the General Services Administration’s Design Excellence Program; and the National Endowment for the Arts Presidential Award.

Eco Facts:

Since Ireland placed a tax on plastic bags, the revenue of millions of euros has been poured into recycling facilities.

A gyre in the North Pacific has a mass of floating plastic garbage the size of Texas.
**Poster Show**

Monday, June 22nd  
5:15-6:30pm  
Storke Plaza

**Best Practice Award Posters**

The University of California (UC), California State University (CSU), and Investor-Owned Utility (IOU) Energy Efficiency Partnership is a unique, statewide energy efficiency program achieving cost-effective, immediate, and persistent peak energy and demand savings. Visit our poster display to see the winners of this year’s Best Practice Award Competition.

**California Energy Tour (CET)**

*Nancy Cole*, Student, Cal Poly San Luis Obispo  
*Neil Bulger*, Former Student, Cal Poly San Luis Obispo  
*Eric Veium*, Former Student, Cal Poly San Luis Obispo

The California Energy Tour (CET) will bring together 20-25 students and young energy professionals on a trip across California for a visit of places pioneering a clean and renewable energy economy. Participants will visit state and local entities, research institutions, private consulting firms, community-based organizations, and non-profits to learn how organizations plan to address the need to move to a clean energy future and to discover how young energy professionals can become a part of this important development.

**Coastal EcoVentures**

*Lucas Johnson*, Partner, Coastal Ecoventures; Masters Candidate, Donald Bren School of Environmental Science & Management, UC Santa Barbara

Coastal EcoVentures (CEV) is a mission-driven organization that will utilize investments in responsible tourism as a catalyst for conservation and community development in emerging coastal markets. The core of its business is a proprietary methodology that can provide a quantitative and comprehensive assessment of the environmental, social, and governance (ESG) performance of proposed tourism development. CEV is currently working on raising its first round of financing and is excited to share its ideas and progress with members of the sustainability community. This is a project developed by a team of graduate students in the Donald Bren School of Environmental Science & Management.

**Community Agroecology Network (CAN)**

*Eric Grabiel*, Associate Director, Community Agroecology Network  
*Grace Voorheis*, Outreach Coordinator, Community Agroecology Network

UC Santa Cruz’s poster will share the story of how the Community Agroecology Network (CAN), a non-profit organization, and its affiliated student group was able to partner with the university’s dining services in order to purchase “beyond fair trade” coffee directly from the communities who produce it. Through this poster, we plan to highlight the chronology of our accomplishments, including how students from all over the country get involved with experiential learning and action education by doing field study internships in these same coffee-producing communities. Key to this poster’s theme is how CAN as an organization fits into the farm to college movement by including international farmers in the process.

**Fashion-Trashion Show – Associated Students, San José State University**

*Duncan C. Lang*, Marketing & Events Manager, Associated Students, San Jose State University  
*Sarah Bronstein*, Director of Community & Environmental Affairs, Associated Students, San Jose State University  
*Tobi Richards*, Director of Programming Affairs, Associated Students, San Jose State University  
*Cindy Tsui*, Director of Communications, Associated Students, San Jose State University

The San Jose State University’s “Trashion Show” was an event created by student organizers (the Associated Students Programming Board), designers, and models, intended to convey the re-usability of common waste materials and the benefits of recycled clothing. The event showcased fashion designed by students that uses no less than 80% post-consumer waste in its materials. The event was also sponsored by local recycled clothiers, who had student models display current fashion that is available second hand.
Implementation of a Room Temperature DNA Storage Technology in UCSB Laboratories

Mary Toothman, Senior Research Assistant II, Ecology, Evolution, and Marine Biology, UC Santa Barbara

LabRATS, partnering with “Biostability Company” Biomatra, is completing a trial of a new technology that allows nucleic acids to be stored at room temperature with standard storage conditions. Currently, DNA is stored in freezers and refrigerators, some of the largest and most common energy users in laboratories. Here, we will present the results of our trial and take the opportunity to offer researchers and educators at UCSB the opportunity to test this new technology in their own labs.

A Multidisciplinary Approach to Public Policies, Research, and Curriculum

A.F. Pilon, Professor, University of Sao Pao

Instead of dealing with “taken for granted issues” (the apparent “bubbles” on the surface), the real problems deep inside the “boiling pot,” such as cultural breakdown, consumerism, urban violence, pollution, and famine, should be analyzed. In view of the intermingled dynamic and complex configurations involving both donors and recipients, four dimensions of being-in-the-world should be considered: the intimate (subject’s cognitive and affective processes), the interactive (groups’ mutual support and values), the social (political, economical, and cultural systems), and the biophysical (biological endowment, natural, and man-made environments).

Office and Residence Hall Audits

Carol Beebe, Program Manager, Facilities, San Jose State University

Katherine Cushing, Associate Professor, Environmental Studies, San Jose State University

The presenter reviewed survey instruments from ten highly respected institutions and has compiled a preliminary list of audit criteria. The presenter hopes to assess what was surveyed in the audits, determine what feedback was given to the residents/occupants of the residence halls, and decide what and how many criteria should be evaluated. The presenter will also try to determine whether it is worthwhile to return, after the initial findings, to verify ongoing compliance with the recommendations that were made.

Stanford Green Campus Program; Small Group, Big Ideas

Katherine Heflin, Student, Stanford University

Sam Garrett, Student, Stanford University

Suejung Shin, Student, Stanford University

The Stanford Green Campus program engages undergraduate students in leading energy efficiency projects at Stanford University. Students work with peers, faculty, and facilities managers to promote low cost education and technology solutions that improve energy efficiency and reduce electricity usage. Three main projects have been the focus of last year. The Building Dashboard Project installed a real-time energy monitoring system in a residential house on campus. The Smart Strip Project saw the installation of energy-saving “smart strips” that turn off automatically, based on the sleep settings of the main device (i.e., your computer) plugged into it. The Fume Hood educational campaign is an educational campaign about shutting fume hood sashes to save energy.

Students LEED™ by Example

Tony Bautista, Chancellor’s Climate Action Intern; Student, Environmental Studies; Economics, UC Santa Cruz

The students of UC Santa Cruz led a campaign, under the aegis of the Student Environmental Center, to place a student measure on the ballot to fund the LEED™ certification of the UC Santa Cruz Student Cowell Health Center. The campaign involved writing the measure, collecting signatures, and campaigning. Measure 35 was passed, with 63% of the voting population saying yes.
Sustainable Horsemanship: The UCSB Horseboarders Association

Courtney Lyman, Member, Horse Boarders Association, UC Santa Barbara

Lauren Oxford, Secretary, Horse Boarders Association, UC Santa Barbara

Jenny Dugan, Lecturer, Member, Horse Boarders Association; Environmental Studies Program; Assistant Researcher, Ecology, Evolution, and Marine Biology, Marine Science Institute, UC Santa Barbara

The UCSB Horseboarders Association has managed the West Campus Stables as a nonprofit cooperative student club dedicated to education and environmentally sustainable and safe horsemanship for over 30 years. The club and its student officers promote environmental education, cooperative principles, ecologically sensitive recreation, maintenance of water quality, restoration of native habitats, historic preservation and reuse, and sustainable management practices.

UC Irvine Recycles!

Anne Krieghoff, Manager, Facilities Management, Recycling Center, UC Irvine

UC Irvine has implemented a unique recycling program that manages not only traditional recycled materials, but also deals with co-mingled housing waste, coffee grounds, and science building plastics. The poster will review how much waste has been diverted from landfills and will also show various facts and statistics regarding how much energy and resources can be saved with a recycling program.

UC Santa Cruz Education for Sustainable Living Program

Eva Stevens, Academic Organizer, Education for Sustainable Living Program, UC Santa Cruz

Henry Symons, Heart Organizer, Education for Sustainable Living Program, UC Santa Cruz

The Education for Sustainable Living Program (ESLP) is a student-initiated course offered at six University of California institutions. At UC Santa Cruz, ESLP has been an active student-run organization and student-facilitated course for six years. Student organizers spread awareness of ESLP and collaborate on curriculum ideas to enhance the quality of the course. Students gain experience with hands-on projects that result in a more sustainable campus and community. For example, students have built gardens in local schools, created rainwater catchment systems on campus, and established more organic and local food in the dining halls.

UCSC Summer Orientation goes Zero-Waste

Tony Bautista, Chancellor’s Climate Action Intern; Student, Environmental Studies; Economics, UC Santa Cruz

The students of UC Santa Cruz led a campaign under the Student Environmental Center to green the UCSC summer orientation. This past summer, the UCSC Summer Orientations went Zero-waste, with a total of eight orientations. Four Zero-waste stations were set-up in four different locations, and each station had bins for trash, recycling, and compost. All the food scraps collected were taken to a pulper and then were sent to the city to be composted. Also, no water bottles were given out, all plates and utensils were bio-degradable, and 9,000 plastic bags were diverted out of the landfill by supplying all students with a canvas bag.

Sustainable Master Planning: A Comprehensive Framework

Brodie Bain, Principal, Mithun

Ysabel Trinidad, Vice Chancellor, Administrative Services, University of Washington Tacoma

This poster will present a framework for sustainable master planning that begins to make sense of the many issues and activities that need to be addressed in order to understand a campus’ ecological footprint and to develop and implement future strategies. Information will be provided on sustainable master plans developed for a large research university, a medium-size Jesuit institution, and a small liberal arts college. The framework is applicable to institutions of any size or campus environment.

Optimizing the Sustainability of Environmental Remediation Activities

Danielle Côté-Schiff Kolp, Student Researcher, Donald Bren School of Environmental Science & Management, UC Santa Barbara

Sarah Bumby, Student Researcher, Donald Bren School of Environmental Science & Management, UC Santa Barbara

In a recently completed project funded by Malcolm Pirnie, Inc., student researchers at the Bren School, UC Santa Barbara, have developed a new spreadsheet tool to improve site remediation sustainability and quantify the cost, energy, and carbon savings, promoting creative and sustainably-oriented thinking and emphasizing the associated benefits. Using a life-cycle perspective, the remediation technologies quantified are: pump and treat, excavation, and in-situ thermal.
Surplus Equipment Program

Sonam Gill, Intern, Laboratory Research and Technical Staff (LabRATS); Student, Ecological, Evolution, and Marine Biology; Black Studies, UC Santa Barbara

The Surplus Inventory Program aims to reduce unneeded waste, avoid the cost of new items, and to extend the productive life of campus resources through efficiently transferring surplus equipment. This program makes it easier for the user to identify items that could be of use to them in a convenient, web-based format. This allows the potential users of the program to view equipment at any time of day, from anywhere.

Sustainability Media Team

Erika Pearsons, Intern, Sustainability Media Team; Student, Film Studies, UC Santa Barbara

The Sustainability Media Team helps to spread knowledge of campus sustainability successes to students, staff, and faculty through the Sustainability Newsbeat, Press Releases, and our YouTube channel. The Newsbeat is a monthly newsletter produced in collaboration between the Office of Sustainability and the Green Campus Program at UCSB. Each month, we cover stories that illustrate the connections between campus operations and creating a learning environment for students at UCSB.

Ecological Coalition (E-Coalition)

Antonia Hernandez, Intern, Ecological Coalition; Student, Environmental Studies, UC Santa Barbara

The Ecological Coalition (E-Coalition) is a network for campus-based ecological and sustainability-oriented student groups. It is focused on building the volunteer base and collaboration that are required for a campus-wide sustainability movement to be effective. E-Coalition is a coalition for groups at all stages that can help in the development of new groups, in supporting groups through transitions in leadership, and in providing additional recruiting and connections for existing groups.

Exhibitors

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http://www.bentleyprincestreet.com/

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http://candlsupply.com/

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www.creeledlighting.com
www.cree.com
www.leduniversity.org

The Emerge Alliance is an open industry association promoting the rapid adoption of safe, low-voltage DC power distribution and use in commercial building interiors. Emerge is developing a global standard that integrates interior infrastructures, power, controls, and a wide variety of peripheral devices, such as lighting, in a common platform.

www.EMergeAlliance.org

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Call2Recycle is a free program for recycling cell phones and rechargeable batteries found in cordless electronics, such as laptops, digital cameras, power tools, cordless phones, PDAs, mp3 players, camcorders, and two-way radios. Administered by the Rechargeable Battery Recycling Corporation, Call2Recycle is the industry’s only product stewardship program for rechargeable batteries. To enroll your facility, call 877-723-1297.

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http://cleansource.com/
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www.energycap.com

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http://www.gcaservices.com/

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http://flad.com/

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http://www.flowcontrol.com

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http://www.grainger.com/
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www.hok.com

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http://www.heery.com/

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http://interfaceflor.com/

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http://max-r.net/

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www.mazzetti.com
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http://www.nalco.com/

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http://www.nestlewaters.com

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http://ntdstichler.com/

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http://www.parkerboiler.com

The California Energy Commission's Public Interest Energy Research (PIER) program, in conjunction with the California Institute for Energy and the Environment (CIEE), the California Lighting Technology Center (CLTC), and the Western Cooling Efficiency Center (WCEC) conducts research, development, and demonstrations of innovative lighting and HVAC technologies. These PIER technologies typically provide 50% + savings solutions.

http://energy.ca.gov/pier/
http://pierpartnershipdemonstrations.com/index.html
http://ciee.ucop.edu
http://cltc.ucdavis.edu/
http://wcec.ucdavis.edu/

Powersmiths provides a comprehensive software platform "Windows on the World - WOW" that enables members of the community, schools, organizations, and individuals to accelerate their sustainability goals. It leverages the building and community as a teaching tool, visualizes green features, and benchmarks their energy and environmental performance, carbon footprint management, and sustainability initiatives.

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http://www.rcpworksmarter.com/

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http://steelcase.com
http://bkmoe.com

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www.sun-tech.biz

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http://www.ucsuioue.org/
http://cccutilitypartnership.com/mbcx.html
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Exhibitors (continued)

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**Community Agroecology Network (CAN)**

CAN is an international network connecting farmers, consumers, students, and educators to create an alternative globalization where people, healthy food systems, and environments come first. Our research and education programs support conservation of the land and people’s livelihoods through sustainable agriculture and alternative market channels. CAN works with five communities in Latin America, through the long-term commitments of researchers to market coffee, helping to diversify forms of income and support the transition to ecological agriculture. We define sustainability in terms of both environment and economics.

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**The Associated Students Environmental Affairs Board**

The Associated Students Environmental Affairs Board is the central student environmental group at the University of California Santa Barbara. We strive to provide students with opportunities to help the environment through volunteering, learning, leading, campaigning, networking, and socializing. We have been named UCSB’s Organization of the Year and authored the US Electricity Policy 2009 paper, which was named UCSB’s AS Project of the Year for 2008-2009 and was used as a handbook for congressional lobbying efforts.

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Inspiration

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www.hok.com/sustainable

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