18th ANNUAL
California Higher Education Sustainability Conference
July 8th-11th, 2019

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# Schedule at a Glance

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<tr>
<th>TIME</th>
<th>ACTIVITY</th>
<th>LOCATION</th>
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</thead>
<tbody>
<tr>
<td><strong>Mon 7/8</strong></td>
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</tr>
<tr>
<td>8:00am - 5:00pm</td>
<td>Pre-Conference Workshops</td>
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<tr>
<td>5:00pm - 6:15pm</td>
<td>Opening Keynote with Dominique Hargreaves: LA’s Green New Deal</td>
<td>Exhibit Hall at Campus Green</td>
</tr>
<tr>
<td>6:15pm - 8:30pm</td>
<td>Opening Carnival Celebration</td>
<td>Exhibit Hall at Campus Green</td>
</tr>
<tr>
<td>5:00pm - 7:30pm</td>
<td>Opening Reception for All Attendees and Poster Show</td>
<td>Campus Green</td>
</tr>
<tr>
<td><strong>Tue 7/9</strong></td>
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</tr>
<tr>
<td>8:00am - 9:15am</td>
<td>Concurrent Session Group A: Panel Presentations</td>
<td>Various Locations</td>
</tr>
<tr>
<td>9:15am - 10:05am</td>
<td>Networking Coffee Break</td>
<td>Exhibit Hall at Campus Green</td>
</tr>
<tr>
<td>10:05am - 11:20am</td>
<td>Concurrent Session Group B: Panel Presentations</td>
<td>Various Locations</td>
</tr>
<tr>
<td>11:35am - 12:05pm</td>
<td>Concurrent Session Group C: Stand Alone Presentations</td>
<td>Various Locations</td>
</tr>
<tr>
<td>12:05pm - 1:35pm</td>
<td>Best Practice Awards Ceremony</td>
<td>Exhibit Hall at Campus Green</td>
</tr>
<tr>
<td>1:35pm - 2:35pm</td>
<td>Student Poster Show and Exhibit Networking Break</td>
<td>Exhibit Hall at Campus Green</td>
</tr>
<tr>
<td>2:45pm - 4:00pm</td>
<td>Concurrent Session Group D: Panel Presentations</td>
<td>Various Locations</td>
</tr>
<tr>
<td>4:15pm - 4:45pm</td>
<td>Concurrent Session Group E: Stand Alone Presentations</td>
<td>Various Locations</td>
</tr>
<tr>
<td>4:45pm - 7:45pm</td>
<td>Casino Night &amp; Jazz Reception</td>
<td>Exhibit Hall at Campus Green</td>
</tr>
<tr>
<td>7:15pm - 10:00pm</td>
<td>Sustainability Officers’ Dinner (requires pre-registration)</td>
<td>Campbell Hall Bus Loop at 7:15pm or Creekside Restaurant and Bar (4444 Hollister Ave) at 7:30pm</td>
</tr>
<tr>
<td><strong>Wed 7/10</strong></td>
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<tr>
<td>8:00am - 9:15am</td>
<td>Concurrent Session Group F: Panel Presentations</td>
<td>Various Locations</td>
</tr>
<tr>
<td>9:30am - 10:00am</td>
<td>Concurrent Session Group G: Stand Alone Presentations</td>
<td>Various Locations</td>
</tr>
<tr>
<td>10:00am - 11:20pm</td>
<td>Morning Networking Break</td>
<td>Exhibit Hall at Campus Green</td>
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<tr>
<td>11:20am - 12:35pm</td>
<td>Concurrent Session Group H: Panel Presentations</td>
<td>Various Locations</td>
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<tr>
<td>12:35pm - 2:10pm</td>
<td>Networking Lunch</td>
<td>Exhibit Hall at Campus Green</td>
</tr>
<tr>
<td>2:10pm - 3:25pm</td>
<td>Concurrent Session Group I: Panel Presentations</td>
<td>Various Locations</td>
</tr>
<tr>
<td>3:40pm - 4:55pm</td>
<td>It’s Not About Science, It’s about Justice: Closing Keynote with Mary Annaïse Heglar</td>
<td>Broida Hall, Room 1610</td>
</tr>
<tr>
<td>3:35pm - 4:20pm</td>
<td>Concurrent Sessions I: Deep Dive</td>
<td>Various Locations</td>
</tr>
<tr>
<td>4:30pm - 5:30pm</td>
<td>Closing Keynote with Graphic Recording by Monica Curca</td>
<td>Chemistry 1179</td>
</tr>
<tr>
<td><strong>Thu 7/11</strong></td>
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<tr>
<td>8:00am - 5:00pm</td>
<td>Post-Conference Workshops</td>
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</tbody>
</table>
North Campus
Open Space
Coal Oil Point
Natural Reserve
West Conference Center
Santa Catalina Residence Hall
& Linda Vista Room
Portola Dining Commons
San Joaquin Apartments
Tenaya Market
Santa Catalina Residence Hall
& Linda Vista Room
West Conference Center
Lot 60

Main Conference Activities
Pre & Post Conference
Workshops Only
Points of Interest

best driving path from the housing to the main event
Sustainable Solutions to Meet Any Challenge

P2S is a leader in forward thinking sustainable solutions and a proud supporter of CHESC. Since our founding, we’ve partnered with higher education clients to help bring sustainability visions into reality. From new Net-Zero campus buildings and green renovations, to campus infrastructure upgrades and commissioning, our team of engineers, commissioning agents and construction managers will find the best solution to achieve your goals.

Our Divisions

- Engineering
- Commissioning
- Construction Management
# Conference Calendar

## Monday, July 8th, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>8:00am - 1:00pm</td>
<td>Green New Deal and Growing Your Budget: the 2019 Sustainability Officers Workshop (Restricted to sustainability officers from any campus)</td>
<td>Engineering Science Building, Room 1001</td>
</tr>
<tr>
<td>9:30am - 5:00pm</td>
<td>CNI/GFI Fellowship Orientation &amp; Symposium (Invitation only)</td>
<td>West Campus Conference Center</td>
</tr>
<tr>
<td>1:00pm - 5:00pm</td>
<td>Zero Waste Campus Council – All Things Zero Waste Workshop</td>
<td>Bren Hall, Room 1414</td>
</tr>
<tr>
<td>1:00pm - 5:00pm</td>
<td>Infusing Climate and Sustainability Into Curriculum</td>
<td>Bren Hall, Room 4016</td>
</tr>
<tr>
<td>5:00pm - 6:15pm</td>
<td>Opening Keynote with Dominique Hargreaves: LA’s Green New Deal</td>
<td>Exhibit Hall at Campus Green</td>
</tr>
<tr>
<td>6:15pm - 8:30pm</td>
<td>Opening Carnival Celebration</td>
<td>Exhibit Hall at Campus Green</td>
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</table>

## Tuesday, July 9th, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Concurrent Session Group A: Panel Presentations</th>
<th>Various Locations</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00am - 9:15am</td>
<td>Student-Campus Collaborations to Purchase Sustainable Food</td>
<td>Engineering Science Building, Room 1001</td>
</tr>
<tr>
<td></td>
<td>Creative Sustainability Courses</td>
<td>Mosher Alumni House, Alumni Hall</td>
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<td></td>
<td>Sustainable Transportation through Electric and Low Speed Vehicles</td>
<td>Bren Hall, Room 4016</td>
</tr>
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<td></td>
<td>Waste Reduction Approaches on Campuses and Use of a Living Lab</td>
<td>Bren Hall, Room 1414</td>
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<td></td>
<td>Student Engagement Around Campus</td>
<td>Marine Science Research Building, MSI Auditorium</td>
</tr>
<tr>
<td></td>
<td>Holistic Engagement on Campus</td>
<td>Bren Hall, Room 1424</td>
</tr>
<tr>
<td></td>
<td>Institutionalizing Sustainable Building Practices</td>
<td>Harold Frank Hall, Room 1104</td>
</tr>
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<td></td>
<td>Landscape Sustainability Modeled in the North Campus Open Space Restoration Project; A Guided Tour</td>
<td>Meet at the Campbell Hall Bus Loop</td>
</tr>
<tr>
<td>9:15am - 10:05am</td>
<td>Networking Coffee Break</td>
<td>Exhibit Hall at Campus Green</td>
</tr>
<tr>
<td>10:05am - 11:20am</td>
<td>Lessons Learned from Micromobility Programs</td>
<td>Bren Hall, Room 1424</td>
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<td></td>
<td>Climate Action in College Curriculum</td>
<td>Marine Science Research Building, MSI Auditorium</td>
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<td>Student Led Water Conservation Efforts</td>
<td>Mosher Alumni House, Alumni Hall</td>
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<td></td>
<td>Turning Food Waste into Food Justice</td>
<td>Bren Hall, Room 1414</td>
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SunPower is Proud to Partner with California Colleges and Universities

Over the past two decades, SunPower has installed more than 160 MW of solar across 90 sites at California colleges and universities—over half of which is for the UC, CCC and CSU systems. Today, SunPower continues to lead the way with solar-plus-storage solutions that drive long-term savings and reduce emissions.

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44 MW  
University of California System

33.7 MW  
California Community Colleges

9.8 MW  
California State Universities

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### Tuesday, July 9th, 2019 continued

<table>
<thead>
<tr>
<th>Time</th>
<th>Concurrent Session Group C: Stand Alone Presentations</th>
<th>Various Locations</th>
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<tbody>
<tr>
<td>11:20am - 11:35am Break</td>
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<tr>
<td>11:35am - 12:05pm</td>
<td><strong>Concurrent Session Group C: Stand Alone Presentations</strong></td>
<td><strong>Various Locations</strong></td>
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<tr>
<td></td>
<td>How Procurement Contributes to Sustainability</td>
<td>Marine Science Research Building, MSI Auditorium</td>
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<td></td>
<td>Recommendations for Interdisciplinary Environmental and Sustainability Programs</td>
<td>Mosher Alumni House, Alumni Hall</td>
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<td>Cal State LA Shared Mobility Program with Emissions-Free Hydrogen Vehicles</td>
<td>Bren Hall, Room 1414</td>
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<td>Miramar Food Pantry; HDAE’s Commitment to Combat Food Insecurity at UCSB</td>
<td>Bren Hall, Room 4016</td>
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<td>Data Driven Sustainability Benefits Worth the Pursuit</td>
<td>Engineering Science Building, Room 1001</td>
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<td>We Built This City on Our Compost</td>
<td>Bren Hall, Room 1424</td>
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<td>Adopting Approved Alternative Products for Sustainable Carpets for City Departments</td>
<td>Harold Frank Hall, Room 1104</td>
</tr>
<tr>
<td>12:05pm - 1:35pm</td>
<td><strong>Best Practice Awards Ceremony</strong></td>
<td>Exhibit Hall at Campus Green</td>
</tr>
<tr>
<td>1:35pm - 2:35pm</td>
<td><strong>Student Poster Show and Exhibit Hall Networking Break</strong></td>
<td>Exhibit Hall at Campus Green</td>
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<tr>
<td>2:45pm - 4:00pm</td>
<td><strong>Concurrent Session Group D: Panel Presentations</strong></td>
<td><strong>Various Locations</strong></td>
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<tr>
<td></td>
<td>Successful Implementation of Green Procurement</td>
<td>Engineering Science Building, Room 1001</td>
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<td>How University Landscapes are Engaging Students</td>
<td>Mosher Alumni House, Alumni Hall</td>
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<td>Strategies for Sustainable Infrastructure</td>
<td>Bren Hall, Room 1424</td>
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<td>Thinking Outside the Box: Waste Reduction</td>
<td>Bren Hall, Room 4016</td>
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<td>The Emergence of Herbicide Reduction Programs on UC Campuses</td>
<td>Marine Science Research Building, MSI Auditorium</td>
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<td>A Hands on Approach to Food Justice: Student Farming and Redirection</td>
<td>Bren Hall, Room 1414</td>
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<td></td>
<td>Pathways to Zero Net Energy Campuses</td>
<td>Harold Frank Hall, Room 1104</td>
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## Tuesday, July 9th, 2019 continued

<table>
<thead>
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<th>Time</th>
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<th>Location</th>
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<tbody>
<tr>
<td>4:00pm - 4:15pm</td>
<td>Break</td>
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<tr>
<td>4:15pm - 4:45pm</td>
<td><strong>Concurrent Session Group E: Stand Alone Presentations</strong></td>
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<td></td>
<td>Use of Collaborative Planning to Create a Climate Action Plan</td>
<td>Harold Frank Hall, Room 1104</td>
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<td>Shaping Student Leaders: Skills Development Workshops at UC Berkeley</td>
<td>Bren Hall, Room 1424</td>
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<td>The Million LED Challenge (LED Retrofit Solutions for Linear-Fluorescent Applications)</td>
<td>Engineering Science Building, Room 1001</td>
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<td>Achieving Sustainable Parking</td>
<td>Bren Hall, Room 4016</td>
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<td></td>
<td>The Students Asked: Development of an Environmental Justice Internship Program</td>
<td>Marine Science Research Building, MSI Auditorium</td>
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<td></td>
<td>UC Merced Dining Sustainable Food Fundraiser and Community Outreach</td>
<td>Bren Hall, Room 1414</td>
</tr>
<tr>
<td></td>
<td>This Way to Sustainability</td>
<td>Mosher Alumni House, Alumni Hall</td>
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<td></td>
<td>Meeting UC’s Climate Neutrality Goals One Meal at a Time</td>
<td>Engineering Science Building, Room 2001</td>
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<tr>
<td>4:45pm - 7:45pm</td>
<td>Casino Night &amp; Jazz Reception</td>
<td>Exhibit Hall at Campus Green</td>
</tr>
<tr>
<td>7:15pm - 10:00pm</td>
<td>Sustainability Officers’ Dinner (Restricted to sustainability officers from any campus)</td>
<td>Meet at the Campbell Hall Bus Loop at 7:15pm or Creekside Restaurant and Bar (4444 Hollister Ave) at 7:30pm</td>
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## Wednesday, July 10th, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:00am - 9:15am</td>
<td><strong>Concurrent Session Group F: Panel Presentations</strong></td>
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<tr>
<td></td>
<td>Successfully Implementing a Campus Green Cleaning Program</td>
<td>Bren Hall, Room 1424</td>
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<td></td>
<td>NXTerra: A Collaborative Educational Platform for Climate Change Action</td>
<td>Marine Science Research Building, MSI Auditorium</td>
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<td></td>
<td>The Gold Standard in State of the Art Laboratory Buildings</td>
<td>Harold Frank Hall, Room 1104</td>
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<td></td>
<td>The Path to Zero Waste Buildings</td>
<td>Engineering Science Building, Room 1001</td>
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<td></td>
<td>Innovative Fellowships: Bridging Facilities and Academic Programs</td>
<td>Bren Hall, Room 1414</td>
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<td>Road to Understanding Inclusive Sustainability</td>
<td>Mosher Alumni House, Alumni Hall</td>
</tr>
<tr>
<td>9:15am - 9:30am</td>
<td>Break</td>
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### Wednesday, July 10th, 2019 continued

<table>
<thead>
<tr>
<th>Time</th>
<th>Concurrent Session Group G: Stand Alone Presentations</th>
<th>Various Locations</th>
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<tbody>
<tr>
<td>9:30am - 10:00am</td>
<td>Presentations</td>
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<tr>
<td></td>
<td>Procurement as a Force for Good: UC Revamps Sustainable Procurement</td>
<td>Harold Frank Hall, Room 1104</td>
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<td></td>
<td>Stormwater CAPTURE: New Guidelines from SWB, DSA, and DOE</td>
<td>Bren Hall, Room 1414</td>
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<td></td>
<td>Teaching Systems Thinking in the Context of Sustainability</td>
<td>Marine Science Reserach Building, MSI Auditorium</td>
</tr>
<tr>
<td></td>
<td>#ZeroToWell: Achieving Zero Waste Events at UC San Diego</td>
<td>Engineering Science Building, Room 1001</td>
</tr>
<tr>
<td></td>
<td>Paving the Way for Mobility on Demand at UCLA</td>
<td>Bren Hall, Room 4016</td>
</tr>
<tr>
<td></td>
<td>The Global Sustainable Campus Partnership Program</td>
<td>Bren Hall, Room 1424</td>
</tr>
<tr>
<td>10:00am - 11:20pm</td>
<td>Morning Networking Break</td>
<td>Exhibit Hall at Campus Green</td>
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<thead>
<tr>
<th>Time</th>
<th>Concurrent Session Group H: Panel Presentations</th>
<th>Various Locations</th>
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</thead>
<tbody>
<tr>
<td>11:20am - 12:35pm</td>
<td>Presentations</td>
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<tr>
<td></td>
<td>LEEDing the Way to Sustainable Campuses</td>
<td>Harold Frank Hall, Room 1104</td>
</tr>
<tr>
<td></td>
<td>Institutionalizing Campus as a Living Lab: Field Case Studies</td>
<td>Engineering Science Building, Room 1001</td>
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<td></td>
<td>Introducing Sustainability Practices into Landscaping Services</td>
<td>Bren Hall, Room 1424</td>
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<td></td>
<td>The Circular Economy of Clothing and Household Goods</td>
<td>Bren Hall, Room 4016</td>
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<tr>
<td></td>
<td>Increasing Laboratory Energy Efficiency</td>
<td>Marine Science Reserach Building, MSI Auditorium</td>
</tr>
<tr>
<td></td>
<td>Commissioning Programs and Energy Management Systems</td>
<td>Bren Hall, Room 1414</td>
</tr>
<tr>
<td></td>
<td>Sustainability Practices as Bridge Builders</td>
<td>Mosher Alumni House, Alumni Hall</td>
</tr>
<tr>
<td></td>
<td>UCSB MSI Research Experience and Education Facility (REEF) Field Trip</td>
<td>Meet by the Registration Desk at Campus Green</td>
</tr>
<tr>
<td>12:35pm - 2:10pm</td>
<td>Networking Lunch and Last Chance to Win Exhibit Hall Scavenger Hunt</td>
<td>Exhibit Hall at Campus Green</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Time</th>
<th>Concurrent Session Group I: Panel Presentations</th>
<th>Various Locations</th>
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</thead>
<tbody>
<tr>
<td>2:10pm - 3:25pm</td>
<td>Presentations</td>
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<tr>
<td></td>
<td>Students Paving the Way to Social Equity</td>
<td>Bren Hall, Room 1424</td>
</tr>
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<td></td>
<td>Reimagining Food System Education</td>
<td>Bren Hall, Room 4016</td>
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<tr>
<td></td>
<td>How Sustainability Programs Can Create Change in Waste Diversion</td>
<td>Harold Frank Hall, Room 1104</td>
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<td></td>
<td>How and Why Campuses Make Decisions for Sustainability: Podcast Recording</td>
<td>Engineering Science Building, Room 1001</td>
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Contribution to LEED®
Meets World Health Organization Drinking Water Standards
Excellent Choice for Reroofing Over Existing = Diverts Shingles From Landfills
Ideal for Solar Integration
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:25pm - 3:40pm</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>3:40pm - 4:55pm</td>
<td>It’s Not About Science, It’s about Justice: Closing Keynote with Mary Annaïse Heglar</td>
<td>Broida Hall, Room 1610</td>
</tr>
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</table>

**Thursday, July 11th, 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00am - 3:00pm</td>
<td>UC/CSU Energy Managers Meeting (Invitation only)</td>
<td>Engineering Science Building, Room 1001</td>
</tr>
<tr>
<td>9:00am - 1:00pm</td>
<td>Student Convergence</td>
<td>Bren Hall, Room 1414</td>
</tr>
</tbody>
</table>

**Urban Sustainability Department**

Training the next generation of urban problem-solvers to meet the world’s dual challenges of climate change and inequality.

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Sustainability in Academics: Interdisciplinary

CSU Chico: Climate Forecasting in the Classroom with Cal-Adapt
For the past three years, students at CSU Chico have used the Cal-Adapt climate tools to forecast the climate for the City of Chico, Butte County, and CSU Chico, utilizing this information to project the climate impacts to populations, structures, and basic functions in the community. They also wrote fictional stories, “Dispatches From the Future”, which looked back on successful adaptations made to the climate impacts they had projected. Their findings and stories are available on two websites:

Presentation: Tuesday, July 9th, 10:05am - 11:20am, Marine Science Research Building, MSI Auditorium, “Climate Action”

UC Berkeley: Zero Waste: Solutions for a Sustainable Future
In an effort to educate the general population about what they can do and what needs to be done to address impending resource limitations and our changing climate, Sage Lenier, a UC Berkeley student wrote a curriculum called Zero Waste: Solutions for a Sustainable Future. This curriculum covers a multitude of topics: the science of modern landfills, the history of “trash”, personal waste reduction, the circular economy, cradle-to-cradle design, industrialized food, climate change & politics, sustainable cities & landscapes, and more.

Presentation: Tuesday, July 9th, 10:05am - 11:20am, Marine Science Research Building, MSI Auditorium, “Climate Action”
**Pomona College: Automated Continuous Commissioning of Building Energy Management Systems**

Newly commissioned or retro-commissioned buildings drift from their design intent. As a result, buildings become inefficient. The Automated Continuous Commissioning of Building Energy Management Systems (ACCO BEMS) is a data-driven analytics platform that locks in the design intent and continuously commissions a given building. ACCO BEMS is a California Energy Commission (CEC) funded effort that is used to identify anomalies and diagnose issues with sensors, actuators, systems, and sequences of operation.

**Presentation:** Wednesday, July 10th, 11:20am - 12:35pm, Bren Hall, Room 1414, “Commissioning Programs and Energy Management Systems”

**Sonoma County Junior College District: Zero Net Energy & Electrification, to Microgrid Design**

Sonoma County Junior College District has a goal of being a zero net energy source district by 2030. The push for zero net energy and having all electric buildings has lead to SCJCD being awarded a California Energy Commission Grant to turn the district’s main campus into a 100% renewable microgrid. This presentation will discuss zero net energy source, electrification, and how microgrid design is the next step in creating zero net energy, zero carbon, and grid friendly campuses.

**Presentation:** Tuesday, July 9th, 2:45pm - 4:00pm, Harold Frank Hall, Room 1104, “Pathways to Zero Net Energy Campuses”

**Lawrence Berkeley National Laboratory: Advanced Use of SkySpark to Support the Ongoing Commissioning Process**

It is easy to find operational problems in buildings that are wasting energy, but it is more challenging to deploy resources to continually identify, prioritize, and fix those problems and to measure and maintain the savings being generated. Lawrence Berkeley National Laboratory has implemented advanced visualizations in SkySpark to support their ongoing commissioning approach. These tools facilitate the investigation of energy opportunities and the diagnosis of problems, and allow for ongoing monitoring of implemented changes over time.

**Presentation:** Wednesday, July 10th, 11:20am - 12:35pm, Bren Hall, Room 1414, “Commissioning Programs and Energy Management Systems”
State Center Community College District: Excellence in Campus Sustainability with Solar

State Center Community College District (SCCCD) is at the forefront of sustainability. Witnessing the opportunity to improve their sustainability efforts with solar and battery storage, California’s largest community college district partnered with the School Project for Utility Rate Reduction (SPURR), leveraging their competitive RFP process to save time and money. With over 7 MW of solar PV sites operating across 4 campuses, SCCCD is reducing GHG emissions and expected to save $18M in energy costs over the next twenty years.

Presentation: Tuesday, July 9th, 10:05am - 11:20am, Bren Hall, Room 4016, “Sustainability with Solar: California Colleges are Changing the Status Quo”

Cal Poly San Luis Obispo: Gold Tree Solar Farm: Innovatively Advancing the Academic Mission

Cal Poly’s 4.5 MW Gold Tree Solar Farm, energized in May of 2018, is a tremendous example of how innovative planning and collaboration can transform the impact of campus building and infrastructure projects to maximize their value as academic assets. In addition to the $17M in utility savings the solar farm will realize over 20 years, it is financing the construction of a new Solar Engineering and Microgrid Laboratory and supporting five innovative academic partner programs.


UC Merced: Renewable Electricity Strategy

In an effort to achieve UC Merced’s sustainability goals, the university installed a 4.8-megawatt solar power system. The installation featured a carport and rooftop solar, complemented with a 483/900-kilowatt hour energy storage solution from Lockheed Martin. Behind the meter energy generation has been a critical aspect of UC Merced’s effort to reduce its environmental impacts and achieve 100% renewable electricity. Through electricity diversification with the use of solar, the campus has achieved a cost-effective, safe, reliable, alternative solution to brown power.

Sustainable Food Service

Santa Clara University: Students Leading the Shift Toward a Sustainable Campus Food System

Santa Clara University’s new Sustainability Strategic Plan includes objectives to purchase 25% Real Food by 2020 and to increase the proportion of plant-based meals offered. Students analyzed SCU’s food procurement practices by quantifying local, ecological, fair, and humane food purchases over the 2017-18 academic year. They also measured plant-based purchases and examined the level of processing of purchased food.

Presentation: Tuesday, July 9th, 8:00am - 9:15am, Engineering Science Building, Room 1001, “Student-Campus Collaborations to Purchase Fair Trade Food”

Riverside Community College: Feeding Hungry Tigers with Communal Farming

“Feeding Hungry Tigers” is a program within the Riverside City College Urban Farm to provide students, staff, faculty, and community members with sustainably grown produce free of charge. The Farm uses a communal model to maximize food yields, minimize the water and carbon footprints of the space, and increase educational opportunities.

Presentation: Tuesday, July 9th, 2:45pm - 4:00pm, Bren Hall, Room 1414, “A Hands on Approach to Food Justice: Student Farming and Redirection”

CSU Long Beach: Addressing Food Sustainability Through Food Recovery, Gardening & Knowledge

CSU Long Beach integrated targets for healthy diets and sustainable food systems into a common framework. Barriers of affordability are addressed through gleaning at local farmers’ markets for campus pantries, sustainable food gardens, and donation of unused meals from dormitory meal plans. The Grow Beach Campus garden donates excess sustainable food from monthly harvests to the food bank. Students in the HM 370 course (Exploring a Sustainable Food System) grow sustainable food to donate to the food bank, create simple recipes for utilization, and consult with students about the use of harvested foods and affordable access. Knowledge and skills are further addressed through a general education course, workshops and an eleven-episode cooking show.

Presentation: Tuesday, July 9th, 10:05am - 11:20am, Bren Hall, Room 1414, “Turning Food Waste in to Food Justice”
UC Santa Barbara: Housing, Dining, and Auxiliary Enterprises: Miramar Food Pantry

The cost to attend college is on the rise nationwide, and UCSB is no different. Students with limited financial resources face difficult choices, which may lead to less nutritious meals. Housing, Dining, and Auxiliary Enterprises opened the new Miramar Food Pantry to address this issue on October 1, 2018. Fully funded by Housing, Dining & Auxiliary Enterprise (HDAE), the pantry, located at Sierra Madre Villages, offers free food items in a large open space with cold storage bins, making it possible to offer fresh produce. Food selections focus on healthy options and visitors can expect a variety of fresh fruits and vegetables as well as staple items. Even with limited marketing, the pantry welcomes 800 registrants with an average of 229 visits per week while feeding an average of 317 individuals per week.

Presentation: Tuesday, July 9th, 11:35am - 12:05pm, Bren Hall, Room 4016, “Miramar Food Pantry; HDAE’s Commitment to Combat Food Insecurity at UCSB”

Overall Sustainable Design

Stanford University: Sustainability in Stanford Redwood City

Stanford Redwood City is the first significant expansion for Stanford outside its original campus. The Redwood City campus reflects Stanford’s spirit, mission and culture, including setting goals beyond all Stanford sustainability targets in order to become a sustainability test-bed for the university as a whole. To that end, sustainability has been included in all aspects of design, construction, and operations of the new campus, successfully extending the university’s commitment to sustainability to this satellite campus. For more information, please visit: https://redwoodcity.stanford.edu/campus-resources/sustainability.

Presentation: Tuesday, July 9th, 8:00am - 9:15am, Harold Frank Hall, Room 1104, “Institutionalizing Sustainable Building Practices”

Palomar College: Maintenance + Operations Building

The Zero Net Energy Maintenance + Operations Building used a collaborative progressive design build delivery model. This process elevated the project goals, provided additional value, and set a new benchmark on campus for replicable passive design strategies. The project was able to utilize an elongated east/west orientation with a shallow building footprint. This allowed the team to implement cross ventilation through the majority of the spaces. The building has mechanically operated windows controlled by a weather station to utilize natural ventilation. The high performance facade utilized vertical and horizontal sunshades to control solar heat gain and glare. The design also utilized roof monitors and solar tubes to naturally light the interior entirely. The roof monitors and thermal chimneys promote stack ventilation through thermal dynamics of air temperature to maintain interior space comfort levels.

Presentation: Tuesday, July 9th, 2:45pm - 4:00pm, Harold Frank Hall, Room 1104, “Pathways to Zero Net Energy Campuses”
CSU Long Beach: College of Professional &
International Education: Net Zero Classroom Building

CSU Long Beach’s new home for its College of Professional and International Education (CPIE) is the first net zero source energy classroom building in the CSU system. Opened in fall 2018, the 34,000 square foot net zero energy (NZE) and LEED™ Platinum certified building has raised the green building bar for the campus and the entire CSU system. This innovative and efficient building supports CSULB’s 2030 carbon neutrality goal and adds twenty state-of-the-art active learning classrooms and a conference center to the campus.

Presentation: Wednesday, July 10th, 11:20am - 12:35pm, Harold Frank Hall, Room 1104, “LEEDing the Way to Sustainable Campuses”

UC Merced: All Electric Downtown Center

UC Merced’s first all electrified building is the most energy efficient building in the UC System. Using no natural gas, this building out performs the 2013 Title 24 Code by 29 percent, and has an energy use intensity (EUI) of 24.4 kbtu/sf using two electric air-source heat pumps and a hydronic radiant slab for conditioning. The building also has all LED lighting throughout and incorporates a passive solar design.

Presentation: Tuesday, July 9th, 2:45pm - 4:00pm, Harold Frank Hall, Room 1104, “Pathways to Zero Net Energy Campuses”
Santa Clara University: Utilizing Campus Farms for Interdisciplinary Studies

Santa Clara University’s Forge Garden works with a wide range of departments to utilize the space as a living laboratory including: Art, Biology, Communication, Child Studies, Economics, English, Engineering, Environmental Studies and Sciences, Graduate Program in Pastoral Ministries, Liberal Studies, Management, Public Health Science, Religious Studies, Sociology, and Theatre & Dance. There were 89 classes or student projects in the 2017-18 academic year. SCU also created a tiered system for student and community engagement without exhausting staff resources. Also in the 2017-18 academic year, there were 3 paid student apprentices, 8 summer interns, 20 to 100 students in the student-led Forge Garden Club, 578 volunteers and 96 events open to both students and the public.

Presentation: Wednesday, July 10th, 2:10pm - 3:25pm, Bren Hall, Room 4016, “Reimagining Food System Education”

San Mateo County Community College District: Innovative Climate Corps Fellowships: Bridging Facilities and Academic Programs

Through Strategic Energy Innovation’s Climate Corps fellowship program, dedicated emerging sustainability professionals are recruited and placed at a higher education (college, university, or district) site. A number of local funding sources, such as utilities and grants, helped to support the innovative fellowships while Strategic Energy Innovations (SEI) and the campus staff partner (typically in facilities) collaborate to scope the Fellow’s position and breadth of projects. Fellows gain professional training and development through SEI, but report directly to campus staff on a full-time basis.

Presentation: Wednesday, July 10th, 8:00am - 9:15am, Bren Hall, Room 1414, “Innovative Fellowships: Bridging Facilities and Academic Programs”

CSU Chico: Associated Students Sustainability Engagement

There are so many environmental issues overwhelming students that it can be paralyzing. In response, AS Sustainability’s Education and Outreach Team has been utilizing the “Pyramid of Action” strategy in semester-long campaigns to empower and engage students. Students had opportunities to holistically engage, beginning with awareness installations and behavior-change focused hands-on activities which culminating with larger impactful policy and business efforts. Both a Zero Waste and Climate Crisis campaign were successful in moving students from anxiety to being part of the solution.

Presentation: Tuesday, July 9th, 8:00am - 9:15am, Bren Hall, Room 1424, “Holistic Engagement on Campus”
**University of California System: Sustainable Procurement Rating System**

Purchasing departments, such as UCOP, have embraced the responsibility and opportunity to leverage their purchasing power as a force for good. But assessing and managing sustainability performance (environmental, social, labor, and ethical practices) across a widely decentralized organization, while also adhering to public procurement constraints, poses huge challenges. UCOP has made innovative use of a standardized sustainability rating system to regulate the monitoring of supplier practices in order to provide mutual value and engage collaboratively to drive improvements.

**Presentation:** Wednesday, July 10th, 9:30am - 10:00am, Harold Frank Hall, Room 1104, “Procurement as a Force For Good: UC Revamps Sustainable Procurement”

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**Santa Clara University: A People-Oriented Sustainability Strategic Plan**

Since stand-alone strategic plans don’t guarantee engagement or implementation, SCU ditched past climate action planning processes to co-create a living, people-oriented plan built by university stakeholders and formulated with interactive components so our campus community can directly contribute to the Plan’s outlined goals and objectives. The components of this engaging and “digestible” plan include an overview video, a simple online booklet, an implementation roadmap, a public dashboard of metrics, “Playbooks,” and a badge-award system.

**Presentation:** Wednesday, July 10th, 2:10pm - 3:25pm, Bren Hall, Room 1414, “Strategic Plans for Implementing Sustainability”

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**Mt. San Antonio College: Use of Collaborative Planning to Create Climate Action Plan**

In Fall 2014, Mt. San Antonio College President William Scroggins, at the urging of faculty and students, signed the American College and University Presidents’ Commitment on Climate committing the school to developing a Climate Action Plan (CAP). A Climate Commitment Implementation Committee then formed, which built consensus around the CAP by spearheading a collaborative planning process that included two CAP conferences, an eco-charrette, and several focus groups, which combined, facilitated the completion of the CAP in May 2018.

**Presentation:** Wednesday, July 10th, 2:10pm - 3:25pm, Bren Hall, Room 1414, “Strategic Plans for Implementing Sustainability”
CSU Long Beach: Long Term Campus Planning for Carbon Neutrality
Throughout 2018, CSU Long Beach worked towards developing a Clean Energy Master Plan (CEMP) in preparation for their pledge to achieve carbon neutral operations by 2030. The CEMP established a GHG emissions reduction framework that allows for flexibility within their clean energy investment strategy over the next decade. This included the development of a planning and tracking tool for the campus.

Presentation: Tuesday, July 9th, 10:05am - 11:20am, Engineering Science Building, Room 1001, “Long Term Climate Action Plans for Carbon Neutrality”

UC Merced: Bobcat Eats Food Waste & Prevention Program
Merced County is located in the epicenter of one of the world’s largest industries, agricultural. Despite food growth and production within the region, 16% of adults (not including children or families) have faced food insecurity. About 61% of undergraduate students at UC Merced are food insecure. What if universities leveraged regional partnerships to create effective communication channels to reduce food waste, greenhouse gas emissions, and increase food access, all at the same time? The Bobcat Eats program does just that.

Presentation: Tuesday, July 9th, 8:00am - 9:15am, Bren Hall, Room 1414, “Waste Reduction Approaches on Campuses and Use of a Living Lab”

LACCD, Orange Coast College, Skyline College, UC Merced: Energize Colleges: Institutionalizing Campus as a Living Lab
Facilitated at each campus by a dedicated Campus as a Living Lab coordinator, the Energize Colleges model comprises a dual focus on formal, paid internships and on deeper learning through partnering with faculty on related career connections to courses, certificates, and degree programs. Skyline College fosters opportunities for future, current, and post-graduate students to practice what they learn by addressing real-world problems on campus. UC Merced is bringing their LEED-rated research campus to life through student internships that focus on energy efficiency, zero waste, and overall campus sustainability. Orange Coast College students wrote and implemented the campus sustainability plan. Los Angeles Community College District (LACCD) partnered with the L.A. Department of Water and Power to host the first LACCD Facilities and Energy Fellow to launch an energy conservation competition at Los Angeles City College.

Presentation: Wednesday, July 10th, 11:20am - 12:35am, Engineering Science Building, Room 1001, “Institutionalizing Campus as a Living Lab: Field Case Studies”
Social Equity and Justice

Antioch University Los Angeles: GIS & Just Sustainability: USMA’s Approach

How can graduate students use geographic information system (GIS) tools toward just sustainability? Antioch University Los Angeles’ MA in Urban Sustainability trains students to innovate practical interventions from a systems thinking base, recognizing that ecological, social, and economic crises are deeply interconnected. “Just sustainability” means orienting our students to address social equity concerns as a fundamental component of climate action and resource management. Antioch saw the potential to offer students a powerful technical tool when adding a geographic information system (GIS) certificate to their curriculum.

Presentation: Tuesday, July 9th, 8:00am - 9:15am, Mosher Alumni House, Alumni Hall, “Creative Sustainability Courses”

CSU San Marcos: Environmental Justice Internship Program

Through an increase in student involvement, a request by a number of students came forth to create an internship program focused on Environmental Justice. The program was created as a joint collaboration between the Sustainability Program and the Office of Inclusive Excellence at CSU San Marcos. The internship program began in the Fall of 2018. This collaboration is the next step in developing a comprehensive inclusive sustainability effort at CSU San Marcos.

Presentation: Tuesday, 4:15pm - 4:45pm, Marine Science Research Building, MSI Auditorium, “The Students Asked: Development of an Environmental Justice Internship Program”

UC Berkeley: Students of Color Environmental Convergence

Environmental spaces have historically centered white narratives and ignored the voices of frontline communities that experience the direct effects of environmental justice. The Students of Color Environmental Conference created a space for students of color to learn about environmental justice from professionals and peers, foster community, and discuss their personal experiences with environmental science and justice. This environmental conference, run by and for students of color, rejected the typical white narrative prevalent in most environmental justice conferences.

Presentation: Wednesday, July 10th, 2:10pm - 3:25pm, Bren Hall, Room 1424, “Students Paving the Way to Social Equity”
Student Sustainability Leadership

Humboldt State University: Campus Center for Appropriate Technology

The Campus Center for Appropriate Technology (CCAT) is a sustainable living demonstration home & laboratory at Humboldt State University. Founded in 1978, this Associated Student’s program provides 3 student Co-Directors with a home on-campus where they manage a small-scale homestead operation with a team of student assistants, course facilitators, & interns. Using skills developed on and off campus, these students are proving that living sustainably is possible when done collectively and in collaboration with the local community & fellow programs on campus.

Presentation: Tuesday, July 9th, 8:00am - 9:15am, Bren Hall, Room 1424, “Holistic Engagement on Campus”

UC Berkeley: Herbicide Free UC

Herbicide-Free UC’s mission is to stop the use of toxic herbicides across all University of California campuses. This campaign has three major components: Groundskeeper Support & Engagement, Student Education, and Research. Herbicide-Free UC teaches students how to cultivate the necessary relationships groundskeepers and learn the landscape needs of the campus, as well as what specific information and resources the groundskeepers need in order to reduce herbicide usage. The campaign also provides resources in the form of data, student support and financial support, as well as training and instruction for groundskeepers in alternative maintenance methods. In order to institutionalize these efforts across the UC system, the campaign offers support to develop consensus-based language for university policy as well as a system-wide best practices guide for campus units implementing this policy.

Presentation: Tuesday, July 9th, 2:45pm - 4:00pm, Marine Science Research Building, MSI Auditorium, “The Emergence of Herbicide Reduction Programs on UC Campuses”

Sustainable Transportation

San Mateo Community College: Getting Charged Up for Electric Vehicles

San Mateo County Community College District started its electric vehicle infrastructure program back in 2013. Since installing one station on each of its campuses, the organization has grown its capacity for EV’s to over 60 ports. In the next few years it will double this infrastructure and continue its efforts to engage, empower and enrich students, staff and faculty in through interactive planning, programming and practice. SMCCD has created a roadmap for electrifying everything, including every car on campus.

Presentation: Tuesday, July 9th, 8:00am - 9:15am, Bren Hall, Room 4016, “Sustainable Transportation through Electric and Low Speed Vehicles”
CSU Los Angeles: Shared Mobility Program with Emissions-Free Hydrogen Vehicles

The CSU Los Angeles Parking and Transportation Services and Hydrogen Research and Fueling Facility are nominated for launching the largest shared mobility program with hydrogen vehicles. The shared mobility fleet operates 10 Hyundai Tucson fuel cell vehicles provided by WaiveCar. The availability of emission-free vehicles encourages students to support sustainable transportation on campus. The program is rapidly growing in popularity among faculty, staff and students. Shared mobility allows the university to have a clean transportation alternative for the parking-impacted urban campus.

Presentation: Tuesday, July 9th, 11:35am - 12:05pm, Bren Hall, Room 1414, “Cal State LA Shared Mobility Program with Emissions-Free Hydrogen Vehicles

UC Los Angeles: Managing Campus Mobility on Demand

The car centric nature of the Los Angeles region is shifting in favor of reducing traffic, prioritizing people over cars, reducing greenhouse gases, and utilizing technology to maximize sustainable transportation. Changes to the built environment to de-emphasize cars, coupled with incentives to use sustainable modes have shifted the mobility paradigm and enabled 40% campus growth while reducing traffic by 25%. New programs and strategies to accommodate ride-hailing, micro-mobility and emerging transportation innovations help to augment investments in reconfiguring roads, investing in bicycle, pedestrian, rideshare infrastructure, and transportation demand management as a whole.

Presentation: Wednesday, July 10th, 9:30am - 10:00am, Bren Hall, Room 4016, “Paving the Way for Mobility on Demand at UCLA”

Waste Reduction

CSU Sacramento: How to Grow Success in Your Own BAC Yard

Sacramento State’s Bioconversion and Agricultural Collaborative (BAC Yard) is dedicated to the ideas of waste diversion and hands-on education. What started out as a facility for Sac State to compost its campus organic waste expanded to include a garden, student projects, and a living laboratory in its truest essence. It is a joint collaboration between Facilities and academia, a combined effort to reduce the university’s waste, increase student knowledge, sequester greenhouse gas emissions, and make the Sacramento region a more sustainable place.

Presentation: Tuesday, July 9th, 8:00am - 9:15am, Bren Hall, Room 1414, “Waste Reduction Approaches on Campuses and Use of a Living Lab”
UC Berkeley: TRUE Zero Waste Platinum, Chou Hall-Haas School of Business

Connie and Kevin Chou Hall is the first academic building to achieve US Green Building Council’s TRUE Zero Waste Platinum Certification. The project increased awareness at UC Berkeley about how zero waste can be successfully achieved, helped develop best practices, and facilitated verification by a third party. The certification process included community and campus engagement and communication, operational coordination, metrics and reporting, and leadership support. It serves as our campus’ beacon for zero waste buildings moving forward.

Presentation: Wednesday, July 10th, 8:00am - 9:15am, Engineering Science Building, Room 1001, “The Path to Zero Waste Buildings”

Water Efficiency & Site Water Quality

Sonoma County Junior College District: Living Learning Landscape

The Sonoma County Living Learning Landscape is a project started in collaboration with the Sonoma County Water Agency, City of Santa Rosa, UC Master Gardener Program, Habitat Corridor Project, California Native Plant Society, and Sonoma County Junior College District to create ready made sustainable garden templates that meet MWELO standards and are free for anyone to download and implement. Currently the templates are being installed on campus to showcase real world examples of the gardens.

Presentation: Tuesday, July 9th, 2:45pm - 4:00pm, Mosher Alumni House, Alumni Hall, “How University Landscapes are Engaging Students”

CSU Sacramento: Leveraging Student Research to Reduce Water

In Summer 2016, CSU Sacramento was researching methods to reduce campus domestic water usage. The proposed method was replacing manual faucets campus wide with automatic infrared ones. Lack of non-biased research and a skeptical plumbing department led the campus sustainability team to work with Sac State students on their own study. Results of this student research project eventually led to a $595,000 grant for campus wide faucet replacements and an estimated domestic water reduction of 1.2 million gallons annually.

Presentation: Tuesday, July 9th, 10:05am - 11:20am, Mosher Alumni House, Alumni Hall, “Student Led Water Conservation Efforts”
Green New Deal and Growing Your Budget: the 2019 Sustainability Officers Workshop
8:00am - 1:00pm
Engineering Science Building, Room 1001
The officer’s workshop will be offered in two parts, based on priority topics selected by sustainability officers in an April 2019 survey. The first part will focus on the “Green New Deal”, the February 2019 policy proposal from House of Representatives Democrat Alexandria Ocasio-Cortez and Senate Democrat Edward J. Markey. This workshop will focus on understanding the goals of this resolution and ways to interpret this for sustainability practices in higher education. The second part will focus on tactics and strategies on how to stabilize and grow sustainability budgets. Program budgets continue to be a concern and the workshop will address tools, pathways and communication strategies to remain budget resilient.

CNI/GFI Fellowship Orientation & Symposium
9:30am - 5:00pm
West Campus Conference Center
The CNI/GFI Fellowship Orientation & Symposium is the culmination of the fellowship year for the current cohort of fellows and the orientation for the incoming cohort.

Zero Waste Campus Council – All Things Zero Waste Workshop
1:00pm - 5:00pm
Bren Hall, Room 1414
From California State policy (SB 1383) and standardization to Chinese Waste Ban impacts on markets going forward to programs and actions, come join fellow college and university staff and student zero wasters, recyclers and solid waste handlers and learn how to start, steer and improve your reduction, reuse, recycling and compost collection, and education programs.

Infusing Climate and Sustainability Into Curriculum
1:00pm - 5:00pm
Bren Hall, Room 4016
Across numerous disciplines, Faculty have found creative ways to incorporate environmental issues and sustainability into the courses they teach. Not only do these topics appeal to the interests of students, but they bring fresh energy to courses and make them more exciting to teach. Learn from California State University Chico faculty member Mark Stemen about his work on developing innovative courses that inspire students to become civically engaged in their campuses and communities around issues of climate and sustainability.
LA’s Green New Deal
sponsored by Yardi

Opening Keynote with Dominique Hargreaves

5:00pm - 6:15pm
Exhibit Hall at Campus Green

Dominique Hargreaves is the Deputy Chief Sustainability Officer at the Office of Mayor Eric Garcetti. As the DCSO, she has been instrumental at leading the development and implementation of L.A.’s Green New Deal which is helping L.A. lead the world towards a low-carbon, green-energy future. Before she joined the Mayor Garcetti’s team, served as the executive director of the U.S. Green Building Council in Los Angeles for over five years. The vision of sustainable buildings for all within this generation keeps her inspired to move sustainability forward in a holistic way. Dominique studies sustainability rating systems and holds credentials in LEED, WELL, Envision, and EcoDistricts. She is particularly interested in the intersections between high-performance, Net Zero buildings and health and wellness initiatives. She is the recipient of the Women in Sustainability Leadership Award and also was recognized with the Heart of the Chapter Awards by the USGBC-LA.

Opening Carnival Celebration

6:15pm - 8:30pm
Exhibit Hall at Campus Green

CHESC’s Exhibit Hall is taking on a carnival theme this year! Please join us for dinner, compete in carnival games, listen to a live band, connect with friends old and new, and learn about some products and services that can support your campus sustainability efforts!
Concurrent Sessions

Concurrent Sessions A: Panel Presentations

Tuesday, July 9th

8:00am - 9:15am

Student-Campus Collaborations to Purchase Sustainable Food

**Topic Areas:** Food Systems, Procurement & Business Services, and Social Equity

Engineering Science Building, Room 1001

This session will provide guidance as to how universities’ food procurement practices may incorporate the purchase of fair trade products and real food. Santa Clara University will share their local, ecological, fair, and humane food purchases over the 2017-2018 academic year as well as methods on how they measured greenhouse gas emissions of these transactions. This will be followed by UC Los Angeles and UC Irvine representatives sharing strategies on how to increase Fair Trade purchasing while also building campus partnerships between students and staff in the process.

**Speakers**

Lindsey Kalkbrenner, MBA, Director, Center for Sustainability, Santa Clara University

Emma Mccurry, Food Systems Fellow, Center for Sustainability, Santa Clara University

Kylie Nealis, Campus & Community Engagement Manager, Fair Trade Campaigns

Erin Fabis, Sustainability Manager, Dining/Housing & Hospitality, UC Los Angeles

Lotus Thai, Sustainability Coordinator, UC Irvine Dining, Aramark/UC Irvine

**Moderator**

Erin Fabris, Sustainability Manager, Housing & Hospitality Services, UC Los Angeles

Creative Sustainability Courses

**Topic Areas:** Climate Action, Curriculum, and Social Equity

Mosher Alumni House, Alumni Hall

This session looks at creative, unique ways that colleges have implemented sustainability into their curriculum. Antioch University Los Angeles presents on how students use geographic information systems to analyze inequalities in relation to social and environmental justice. Cal Poly San Luis Obispo’s AgWriteCulture project is a set of four courses that encourage students to cultivate skills that help communicate, analyze, and negotiate sustainability issues. UC San Francisco has developed a course used to study how climate-related health issues are dealt with in health professions.

**Speakers**

Adonia Lugo, PhD, Affiliate Faculty, Urban Sustainability, Antioch University Los Angeles

Donald Strauss, PhD, Program Chair, Urban Sustainability, Antioch University Los Angeles

Greg Young, Student, Urban Sustainability MA, Antioch University Los Angeles

Jason Peters, PhD, Assistant Professor, English, Cal Poly San Luis Obispo

Ereca Nguyen, Student; Carbon Neutrality Initiative Fellow, School of Pharmacy, UC San Francisco
Sustainable Transportation Through Electric and Low Speed Vehicles

**Topic Areas:** Energy and Transportation

Bren Hall, Room 4016

Three different strategies are explored in the shift towards personal electric vehicles. San Diego State University and Plug In America will focus on the basics and benefits of plug-in electric vehicles (PEVs), strategies they’ve used to promote widespread EV adoption, and how they can be useful to other universities. San Mateo County Community College District will explain how they have increased their EV capacity to over 60 ports since 2013, detailing the necessary infrastructure they have relied upon. UC Los Angeles will document its strategic shift to Low Speed Vehicles (LSVs) around campus.

**Speakers**

**Tom Abram,** Energy and Sustainability Officer, Facilities Services, San Diego State University

**Kylie Morgan,** Program Coordinator, Event/Education Programs, Plug In America

**Joe Fullerton,** LEED™ AP, Certified Educational Facilities Professional, Energy and Sustainability Manager, Facilities Planning, Maintenance and Operations, San Mateo County Community College District

**Scott Olsen,** Strategic Account Manager, Commercial Government and Defense, Polaris

**Clinton S Bench,** Director, Fleet and Transit, Events & Transportation, UC Los Angeles

**Moderator**

**Arjun Sarkar,** Sustainable Transportation Coordinator, Transportation & Parking Services, UC Santa Barbara

Waste Reduction Approaches on Campuses and Use of a Living Lab

**Topic Areas:** Food Systems, Institutionalizing Sustainability; and Waste Reduction & Recycling

Bren Hall, Room 1414

These campuses will share three different programs to decrease food waste through recovery, redirection, and education. Sacramento State has created a living laboratory to decrease waste and increase student knowledge to become more sustainable. CSU Monterey Bay has created a program for students to receive information instantly about free food available on campus. UC Merced is combating food insecurity through leveraged regional partnerships to recover food from local businesses.

**Speakers**

**Joey Martinez,** Recycling and Sustainability Coordinator, Facilities Management, Sacramento State University

**Erik Skall,** Grounds Supervisor, Facilities Management - Grounds and Landscaping, Sacramento State University

**Joanna Snawder-Manzo,** Care Manager, Dean of Students Office, CSU Monterey Bay

**Breeana Sylvas,** Assistant Director, Department of Sustainability, UC Merced

**Moderator**

**Kikei Wong,** Zero Waste Coordinator, Grounds & Custodial, UC Los Angeles
**Student Engagement Around Campus**

**Topic Areas:** Climate Action, Institutionalizing Sustainability; and Student Affairs & Leadership

Marine Science Research Building, MSI Auditorium

This session highlights major systems-thinking approaches to student engagement and education from three different campuses. During April 2019, all 10 campuses in the University of California system participated in the Cool Campus Challenge. In this friendly competition, students, faculty, and staff earned points for taking action to reduce greenhouse gas emissions in hopes of becoming the Coolest Campus in the UC system. At UC Los Angeles, The Carbon Neutrality Initiative Ambassadors Program immerses a select number of UCLA students in the Carbon Neutrality Initiative (CNI). Ambassadors are trained to communicate the CNI and UCLA general sustainability goals through an interactive curriculum. At Cal Poly San Luis Obispo, the Climate Change Action Research Group fosters meaningful undergraduate climate change research opportunities.

**Speakers**

**Ryan Bell,** Associate Director of Sustainability, Energy and Sustainability, UC Office of the President

**Kira Stoll,** Director of Sustainability, Office of the Vice Chancellor For Administration, UC Berkeley

**Jewel Persad,** Campus Sustainability Manager, Office of the Vice Chancellor for Administrative Services, UC Santa Barbara

**Valeree Catangay,** Student Engagement Fellow, UC Carbon Neutrality Initiative; Student, Environmental Science, UC Los Angeles

**Megna Patel,** Student Engagement Fellow, UC Carbon Neutrality Initiative, UC Los Angeles

**Logan Babcock,** President, Cal Poly Honors Program; Cal Poly Climate Change Action Research Group, Cal Poly San Luis Obispo

**Moderator**

**Tim Galarneau,** Education & Research Specialist, Center for Agroecology & Sustainable Food Systems, UC Santa Cruz

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**Holistic Engagement on Campus**

**Topic Areas:** Institutionalizing Sustainability; and Student Affairs & Leadership

Bren Hall, Room 1424

Three campuses lead the way towards large-scale sustainability in collaboration with student leadership and their communities. At Chico State University, a “Pyramid of Action” strategy was implemented in semester-long campaigns in order to empower and engage students. At Humboldt State University, The Campus Center for Appropriate Technology (CCAT) was continued as a sustainable living demonstration home and laboratory. At UC Santa Barbara, a collaboration of 14 gardens and farms will present on how they developed strong relationships across programs and implemented joint branding and communication around local gardens.

**Speakers**

**Maggie Scarpa,** Education and Outreach Coordinator, AS Sustainability, Chico State University

**Nani Teves,** Sustainability Coordinator, AS Sustainability, Associated Students, CSU Chico

**Casey Albarran,** Undergraduate Student, Environmental Biology; Co-Director, Campus Center for Appropriate Technology, Humboldt State University

**Karina Coronado,** Undergraduate Student, Environmental Studies, Humboldt State University

**Alex Moon,** Program Coordinator, Edible Campus Program; Recent Alumnus, Psychology, UC Santa Barbara

**Moderator**

**Mark Stemen,** PhD, Professor, Geography and Planning, CSU Chico
Institutionalizing Sustainable Building Practices

**Topic Areas:** Green Building and Institutionalizing Sustainability

Harold Frank Hall, Room 1104

Discussing various practices and programs, three campuses will share their methods of institutionalizing sustainability in green buildings and engage stakeholders in the issue and field of green building. Stanford University will present on its new Redwood City satellite campus that implements sustainability into design, construction, and operations. UC Berkeley will present on the Berkeley Lab’s updated sustainability policy for new construction, used to drive the high performance development of green buildings. CSU Los Angeles will present a phone application designed to create linked learning communities of practice in green pathway programs.

**Speakers**

**Fahmida Ahmed** Bangert, Director, Sustainability and Business Services, Sustainability and Energy Management, Stanford University

**John Elliot,** Chief Sustainability Officer, Laboratory Directorate Sustainable Berkeley Lab, Lawrence Berkeley National Laboratory

**Abdul Sindi,** Research Assistant, Ed.D. Candidate, Charter College of Education, CSU Los Angeles

Landscape Sustainability Modeled in the North Campus Open Space Restoration Project; A Guided Tour

**Topic Areas:** Water & Landscape

Meet at the Campbell Hall Bus Loop

Sustainable landscapes provide ecosystem services, ecological benefits, and social/psychological benefits to people. Come find out how that translates on the ground! How do wetlands sequester carbon? How do you reduce localized flooding but still create viable wetlands? How do you support public access while also providing viable habitat for migratory birds and other threatened and endangered wildlife? How do you integrate education and training opportunities on a UC campus with a large scale, 100 acre, ecological restoration project? Come walk a couple of miles and learn about these concepts, as well as the local flora and fauna of southern California.

**Speaker**

**Lisa Stratton,** Director of Ecosystem Management, Cheadle Center for Biodiversity and Ecological Restoration, UC Santa Barbara

Networking Coffee Break

**9:15am - 10:05am**

Exhibit Hall at Campus Green

Please join us for some coffee, a chance to check in with colleagues, and to learn about products and services that can help your campus to achieve your sustainability goals.
Lessons Learned from Micromobility Programs

**Topic Areas:** Procurement & Business Services; and Transportation

Bren Hall, Room 1424

Bike and scooter rental programs are a huge recent development in campus transportation plans. Three campuses explain how they have handled this shift. CSU Monterey Bay has piloted an electric scooter program for one academic year and will share the lessons it has learned from its interactions with micromobility startup companies. UC Santa Barbara reflects on the first year of its partnership with HOPR, a private bike rental company.

**Speakers**
- **Matthew Scott** McCluney, AICP, Senior Campus Planner, Campus Planning & Development, CSU Monterey Bay
- **Mo Lovegreen**, Director, Campus Sustainability; Executive Director, Geography, UC Santa Barbara

**Moderator**
- **Nestor Covarrubias**, Director, Transportation & Parking Services, UC Santa Barbara

Student Led Water Conservation Efforts

**Topic Areas:** Student Affairs & Leadership; and Water & Landscape

Mosher Alumni House, Alumni Hall

Water conservation efforts are being practiced at institutions to protect this limited resource as well as save on its costly price, this session highlights initiatives implemented by students at Sacramento State University, Arizona State University, and Chapman University. Sacramento State will present on their faucet replacement project that is estimated to reduce 1.2 million gallons of water annually. Arizona State’s PEE’D OFF initiative will touch upon how it was used to encourage water conservation and sustainable practices in bathroom that saved 230,000 gallons of water annually. Lastly, Chapman University will present on a research capstone course that helped provide the data needed to implement decreasing water use.

**Speakers**
- **Ryan Todd**, LEED™ AP, Sustainability Manager, Sacramento State University
- **Ally DiSera**, President, Campus Student Sustainability Initiatives, Water Program Assistant, Arizona State University (USP)

**Moderator**
- **Mackenzie Crigger**, MBA, Energy and 2019 California Higher Education Sustainability Conference
**Turning Food Waste into Food Justice**

**Topic Areas:** Food Systems, Social Equity; and Waste Reduction & Recycling

Bren Hall, Room 1414

This session explores how 3 different campuses have tackled food insecurity issues by increasing their students’ consistent access to food. CSU Long Beach has addressed barriers to access to sustainable food while also focusing on achieving healthy diets. Santa Clara has turned a problem of fruit waste into a project that maps fruit trees for students to utilize. UC Santa Barbara has partnered with an off-campus nonprofit to glean from backyards along with their on-campus efforts to glean prepared meals from on-campus retail locations.

**Speakers**

**Libby Gustin,** MBA, PhD, Associate Professor, Hospitality Management, CSU Long Beach

**Katharine Rondthaler,** Organic Garden Manager, Center for Sustainability - The Forge Garden, Santa Clara University

**Ezra Ziegler,** Student Leader, Foodcycling, UC Santa Barbara

**Moderator**

**Kristen Lee,** MPAff, Sustainability Programs Manager, UC Santa Cruz

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**Long Term Climate Action Plans for Carbon Neutrality**

**Topic Areas:** Climate Action and Energy

Engineering Science Building, Room 1001

Learn about 2 different approaches to climate action planning. In this session CSU Long Beach will offer insight to their long-term planning process to construct their Clean Energy Master Plan that allows for flexibility in their goal to achieve carbon neutral operations by 2030. CSU East Bay and Northridge will layout replicable implementation guides accessible regardless of level of institutional support.

**Speakers**

**Shawn Cun,** PE, Energy & Utilities Manager, Physical Planning & Facilities Management, CSU Long Beach

**Gordon Stewart,** PE, Energy Analyst, Glumac

**Nikhil Schneider,** Energy & Sustainability Coordinator, Facilities Planning, Design & Construction, CSU Northridge

**Jillian Buckholz,** Director of Sustainability, Office of Sustainability, Academic Affairs, CSU East Bay

**Moderator**

**Karen Salvini,** MBA, Sustainability Project Manager, Lawrence Berkeley National Laboratory

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**Public-Private Partnership New Construction Successes & Challenges**

**Topic Areas:** Green Building and Institutionalizing Sustainability

Harold Frank Hall, Room 1104

UC Merced will present on how sustainability goals were included in their Merced 2020 project. This three-phase, 1.4 Million square foot expansion doubles the physical capacity of the existing campus and includes new housing, dining, academic, and laboratory facilities. This presentation reveals the successes around this massive public-private partnership project that is seeking LEED certification on 11 buildings, including the challenges overcome throughout the project.
Sustainability with Solar: California Colleges are Changing the Status Quo

Topic Area: Energy and Green Building

Bren Hall, Room 4016

Project presentation by the 2019 CHESC Best Practice award winners in the Energy Supply category for a California Community College. State Center Community College District will present on their solar and battery storage efforts as they are expected to save $18 million in energy costs with their 7+ MW of solar PV sites operating across 4 of their campuses. SCCCD will present on how they saved time and money in this project through their partnership with School Project for Utility Rate Reduction (SPURR).

Speakers

Mark Maxwell, Interim Director of Sustainability, Office of Sustainability, UC Merced

Brian Smith, LEED™ AP, Senior Project Manager, Building Commissioning, Empowered Solutions

Brian Taylor, Senior Director, California Public Sector, Business Development, ForeFront Power

Michael Rochman, Managing Director, School Project for Utility Rate Reduction (SPURR)

Moderator

Madeline Milani, ForeFront Power

Guided Tour of Coal Oil Point Reserve

Topic Areas: Water & Landscape

Meet at the Campbell Hall Bus Loop

The Coal Oil Point Reserve is part of the University of California Natural Reserve System. The reserve protects natural habitats to support research, education, outreach, and stewardship. One of the best remaining examples of a coastal-strand environment in Southern California, the Coal Oil Point Natural Reserve protects a wide variety of coastal and estuarine habitats. Largely undisturbed coastal dunes support a rich assemblage of dune vegetation and rare wildlife, including the dune spider, the globose dune beetle and the threatened Western Snowy Plover. The tour will take you on a guided walk through the reserve’s beach and trails, so please wear your walking shoes.

Speaker

Jessica Nielsen, Conservation Specialist, Coal Oil Point Reserve, UC Santa Barbara
**Concurrent Sessions C: Stand Alone Presentations**

**Tuesday, July 9th**

**11:35am - 12:05pm**

**How Procurement Contributes to Sustainability**

**Topic Areas:** Institutionalizing Sustainability; and Procurement & Business Services

Marine Science Research Building, MSI Auditorium

In the sciences, sustainability projects are difficult, but not impossible. Thinking creatively and outside the box, Senior Managers Valerie Vergara and Heidi Oh from UC Davis will present on their successful project that continues to impact the UC today. They will talk about identifying the right product or service that can drive sustainability value in this difficult category.

**Valerie Vergara,** Senior Category Manager, Life Sciences, Procurement Services, UC Office of the President

**Heidi Oh,** MBA, CPSM, Senior Category Manager, Life Sciences, Procurement Services, UC Office of the President

**Recommendations for Interdisciplinary Environmental and Sustainability Programs**

**Topic Area:** Curriculum and Institutionalizing Sustainability

Mosher Alumni House, Alumni Hall

Academic programs that focus on sustainability, environmental sciences, and/or environmental studies continue to grow in popularity, not to mention importance. Findings show that the best Environmental and Sustainability Programs, or ESPs, are interdisciplinary in nature, however many higher education institutions function as a series of silos and therefore struggle with interdisciplinarity. This presentation from San Diego Miramar College offers a comprehensive overview of how effective ESPs succeed at this within host institutions and provides recommendations to help others do the same.

**Speaker**

**Pablo Martin,** MA, Associate Professor of Sustainability, Journalism, and Communication Studies, Arts & Humanities Department; Sustainability Program, San Diego Miramar College

**Cal State LA Shared Mobility Program with Emissions-Free Hydrogen Vehicles**

**Topic Area:** Transportation

Bren Hall, Room 1414

The CalStateLA Parking and Transportation Services and Hydrogen Research and Fueling Facility are nominated for launching the largest shared mobility program with hydrogen vehicles. The shared mobility fleet operates 10 Hyundai Tucson fuel cell vehicles provided by WaiveCar. The availability of emission-free vehicles encourages students to support sustainable transportation on campus. The program is rapidly growing in popularity among faculty, staff and students. Shared mobility allows the university to have a clean transportation alternative for the parking-impacted urban campus.

**Speakers**

**David Blekhman,** PhD, Professor, Hydrogen Research and Fueling Facility Technical Director, CSU Los Angeles

**Carmen Gachupin,** Director, Parking & Transportation Services, Public Safety, CSU Los Angeles

**Michael Dray,** Operations Manager, College of Engineering, Computer Science and Engineering, CSU Los Angeles
Miramar Food Pantry; HDAE’s Commitment to Combat Food Insecurity at UCSB

**Topic Areas:** Food Systems; and Waste Reduction & Recycling

Bren Hall, Room 4016

The cost to attend college is on the rise nationwide, and UC Santa Barbara is no different. Students with limited financial resources face difficult choices, which may lead to less nutritious meals. In other words, they may experience food insecurity. The good news is that many organizations on our campus are working to address the problem of food insecurity. This presentation will look at Housing, Dining, and Auxiliary Enterprises and the staff at the new Miramar Food Pantry, which opened its doors on October 1, 2018. Even with limited marketing, the pantry welcomes 800 registrants with an average of 229 visits per week while feeding an average of 317 individuals per week.

**Speakers**

Danielle Kemp, RD, Dietitian, Purchasing, and Systems Manager, Residential Dining Services, Housing, Dining, and Auxiliary Enterprises, UC Santa Barbara

Robbie Wright, Associate Director for Residential Dining Services, Residential Dining Services, Housing, Dining, and Auxiliary Enterprises, UC Santa Barbara

Data Driven Sustainability Benefits Worth the Pursuit

**Topic Areas:** Energy and Institutionalizing Sustainability

Engineering Science Building, Room 1001

Stanford University will present on how taking a data-driven approach in infrastructural and behavioral programs is a signature success factor for their sustainability initiatives, which helps the university connect sustainability to the reality of institutional practice and the bottom line. Stanford documents and reports data in numerous ways, from its greenhouse gas inventories, to its annual year in review, to online dashboards that show real-time utilities consumption for individual buildings, their building sustainability ratings, and campus-wide systems performance.

**Speaker**

Fahmida Ahmed Bangert, Director, Sustainability and Business Services, Sustainability and Energy Management, Stanford University

We Built This City on Our Compost

**Topic Areas:** Social Equity; and Waste Reduction & Recycling

Bren Hall, Room 1424

Sacramento State University has opened the doors on its closed loop composting program. Joey Martinez and Erik Skall will present on how the university has transformed its organic waste into an opportunity to work with its neighbors and community to create a program in which Sacramento State-made compost is now distributed to local schools, community gardens, a local organic teaching farm, and even the only NPR affiliate in the entire nation with its own garden and do it all for free.

**Speakers**

Joey Martinez, Recycling and Sustainability Coordinator, Sustainability, Sacramento State University

Erik Skall, Grounds Supervisor, Facilities Management - Grounds and Landscaping, Sacramento State University

Adopting Approved Alternative Products for Sustainable Carpets for City Departments

**Topic Areas:** Green Building; and Procurement & Business Services

Harold Frank Hall, Room 1104

The Toxics Reduction and Green Building programs at SF Environment led a two-year evaluation of carpet products to address impacts relating to human and environmental health, such as material content sourcing and off-gassing, and the use of toxic topical stain repellents. This...
exploration took a deep dive into building product labels, standards, and certifications. Findings provided a basis for the Regulation “Adopting Approved Alternative Products for Sustainable Carpet for City Departments”, which impacts all carpet purchases for City-owned properties.

**Speaker**

**Eden Brukman,** Senior Green Building Coordinator, SF Environment

### Best Practice Awards Ceremony

**12:05pm-1:35pm**

Exhibit Hall at Campus Green

Please join us in celebrating the winners of the 2019 Energy and Sustainability Best Practice Award competition at this year’s awards lunch!

### Student Poster Show and Exhibit Hall Networking Break

**1:35pm-2:35pm**

Exhibit Hall at Campus Green

Please join us for some coffee, a chance to check in with colleagues, and to learn about products and services that can help your campus to achieve your sustainability goals. The UC Carbon Neutrality Initiative and Global Food Initiative Fellows will also be presenting their posters at the Exhibit Hall. Please stop by to ask them about their work.
Successful Implementations of Green Procurement

**Topic Areas:** Institutionalizing Sustainability, Procurement and Business; and Waste Reduction & Recycling

Engineering Science Building, Room 1001

Green procurement is growing in popularity in higher education, with campuses such as UC Santa Barbara and UC San Diego producing two successful projects. In depth research, input and feedback gathering from faculty will be shared on UCSB’s Green Model Office project, where an existing office was remodeled with a budget of approximately $6,500 and will be used for educational tours for other departments. UCSD will share how their Surplus’ Concierge Furniture re-utilization program encourages the reuse of furniture through the surplus sales program at only 25% of the original cost. Lastly, UCSB will cover a TGIF funded project where they conducted a spend impact analysis of residential dining food purchases.

**Speakers**

Matthew R Campa, Recent Alumnus, Environmental Studies; Environmental Affairs Board Laisonne, Environmental Justice Alliance; Intern, Program for the Assessment and Certification for the Environment and Sustainability (PACES), Sustainability Program, UC Santa Barbara

Stephen VanDuine, Manager, Surplus Sales, UC San Diego

Camille Herrera, Master’s Candidate, Bren School of Environmental Science & Management; Supply Chain Analyst, Residential Dining Services, UC Santa Barbara

Heather Perry, Sustainable Procurement Analyst, UC Santa Barbara

How University Landscapes are Engaging Students

**Topic Areas:** Curriculum; and Water & Landscape

Mosher Alumni House, Alumni Hall

This presentation will demonstrate how landscapes at different institutions are being utilized to engage students and serve as a learning environment. First, UC Davis will touch upon how their Hunt Hall Courtyard Living Laboratory creates a habitat in a human-dominated ecosystem while also serving to teach students about landscape architecture. Sonoma County Community College District will then touch upon their Living Learning Landscape project that provides free and easily accessible sustainable garden templates that meet Model Water Efficient Landscape Ordinance (MWELO) standards. UC Santa Barbara will present on their collaboration with Santa Barbara City College’s Green Gardener Program to provide two free workshop series on beginning and intermediate gardening.

**Speakers**

Abbi Gregory, Assistant Complex Coordinator Family Student Housing, Residential and Community Living, UC Santa Barbara

Haven Kiers, Assistant Professor of Landscape Architecture, Human Ecology, UC Davis

David Liebman, Energy & Sustainability Manager, Capital Projects, Sonoma County Junior College District

**Moderator**

Adrian Ferreira, Interim Associate Director, Strategic Sourcing, University of California

Joe Ragsdale, Associate Professor, Landscape Architecture, Cal Poly San Luis Obispo
**Strategies for Sustainable Infrastructure**

**Topic Area:** Transportation

Bren Hall, Room 1424

Learn about two new infrastructure projects helping campuses promote alternative modes of transportation. Sacramento State University has a set of new secure bike facilities that enhances security and promotes ridership within the campus and surrounding community. UC Riverside is in the process of a significant overhaul of its transportation hub, with partnerships with the City of Riverside and private industry. They will speak on the planning and strategy of approaching a project of this magnitude.

**Speakers**

- Tony Lucas, Senior Director, University Transportation & Parking Services, Sacramento State University
- Irma Henderson, Director, Transportation & Parking Services, UC Riverside

**Moderator**

Sarah Siedschlag, Environmental Programs Advisor, Associated Students UC Santa Barbara

**Thinking Outside the Box: Waste Reduction**

**Topic Areas:** Climate Action, Institutionalizing Sustainability; and Waste Reduction & Recycling

Bren Hall, 4016

These three campuses will present three very different approaches to reducing waste and increasing diversion rates. Cal Poly San Luis Obispo has created new permanent staffing by changing the basic structure of waste collection. UC Los Angeles is using centralized waste collection systems and custodial hands-on training to increase their diversion rates. UC San Francisco identified unique issues to housing buildings on campus and have crafted specific guides to change their waste characteristics.

**Speakers**

- Anastasia Nicole, TRUE Advisor; Zero Waste Coordinator; FM&D Energy, Utilities, & Sustainability Department; Cal Poly San Luis Obispo
- Kikei Wong, Zero Waste Coordinator, Grounds & Custodial, UC Los Angeles
- Bonny Bentzin, LEED AP, Deputy Chief Sustainability Officer, Office of Sustainability, UC Los Angeles
- Daniel Chau, Recycling Coordinator, Recycling & Waste Reduction Program, UC San Francisco

**Moderator**

Joey Martinez, Recycling and Sustainability Coordinator, Facilities Management, Sacramento State University

**The Emergence of Herbicide Reduction Programs on UC Campuses**

**Topic Areas:** Food Systems; Student Affairs & Leadership; and Water & Landscape

Marine Science Research Building, MSI Auditorium

Learn about the reduction of herbicide use at UC Berkeley, while the UC Office of The President introduce two projects that are focused on analyzing current practices, and reducing and/or eliminating herbicide use. UC Berkeley will describe how Herbicide-Free Cal was started, and how relationships between various stakeholders can help create better policies to deal with landscaping. A UC systemwide taskforce is examining the overall herbicide use on all UC campus landscaping, and will present on alternative forms of regulating weeds and promoting a less herbicide-intensive policy.

**Speakers**

- Mackenzie Feldman, Founder, Herbicide-Free UC, UC Berkeley
- Bridget Gustafson, Co-Founder, Herbicide-Free Cal, UC Berkeley
- Sapna Thottathil, PhD, Associate Director of Sustainability, UC Office of the President
A Hands on Approach to Food Justice: Student Farming and Redirection

Topic Areas: Food Systems and Social Equity

Bren Hall, Room 1414

This session will explore how different campuses work to provide nutrition to those facing food insecurity in their communities. CSU Northridge created the Nutrition Justice Student Internship to provide students the opportunity to work with food gardens and recovery programs. UC Merced has partnered with the Merced County Food Bank and other community partners to successfully implement the Bobcats Eats Food Waste Awareness and Prevention Program to serve the underserved in their community. Students, staff, and faculty have access to sustainably grown produce at The Riverside City College Urban Farm. Their “Feeding Hungry Tigers” program uses communal farming to maximize food yields and minimize carbon footprints and water usage.

Speakers

Annette Besnilian, EdD, MPH, RDN, FAND, Executive Director, Marilyn Magaram Center for Food Science, Nutrition and Dietetics; Family and Consumer Sciences, College of Health and Human Development, CSU Northridge

Frida Endinjok, MPH Candidate, Health Sciences and Family and Consumer Sciences, CSU Northridge

Erin Meyer, MS, Program Coordinator, Office of Leadership, Service and Career, UC Merced; Merced County Food Bank

Stephanie Fowler, Student Garden Mentor, Riverside City College Urban Farm, Riverside City College

Pathways to Zero Net Energy Campuses

Topic Areas: Energy and Green Building

Harold Frank Hall, Room 1104

During this session, three campus projects will share their methods for working toward zero net energy and electrification. Sonoma County Junior College District is turning the main campus into a 100% renewable microgrid and will present on the process thus far, as well as next steps in creating zero net energy, zero carbon, and grid friendly campuses. UC Merced will present their new electrified downtown building which utilizes electric systems and passive solar designs. The downtown building is the most energy efficient building in the UC System. Palomar College’s presentation will look at strategies to achieve zero net energy through a collaborative progressive design build delivery model and innovative technical solutions.

Speakers

David Liebman, Energy & Sustainability Manager, Capital Projects, Sonoma County Junior College District

Mark Maxwell, LEED™ AP, Interim Director of Sustainability, Office of Sustainability, UC Merced

Matthew Porreca, AIA, LEED™ AP BD+C, Principal at BNIM Architects

Dennis Astl, RA, CCM, LEED™ AP, Manager, Construction & Facilities Planning, Palomar College

Mike Conroy, Vice President of Operations, Level 10 Construction

Moderator

Michelle Perez, Interim Director of Campus Sustainability & Carbon Neutrality, Resource Management & Planning, UC San Diego
Edible Campus Program

Student Farm Tour

**Topic Areas:** Food Systems

Meet at the Campbell Hall Bus Loop

UCSB Edible Campus Program has recently completed the initial construction of the infrastructure and is in the process of building 37 raised beds and a central permaculture bed, where we will be growing medium trees, small trees, bushes, and low growing plants in an edible forest format. The farm is dedicated to addressing food insecurity at UCSB by distributing 100% of the produce back to the A.S. Food Bank and Miramar Food Pantry. The farm is also a place of edible education, connecting and empowering students to the land and food production. It is also a place of class visitation, workshops, and community events. Come visit our farm and learn about our current progress and future goals!

**Speaker**

Alex Moon, Program Coordinator, Edible Campus Program; Recent Alumnus, Psychology, UC Santa Barbara
Use of Collaborative Planning to Create a Climate Action Plan

Topic Areas: Climate Action and Institutionalizing Sustainability

Harold Frank Hall, Room 1104

Mt. San Antonio College will present on the development of the school’s Climate Action Plan (CAP). In Fall 2014, the college’s president William Scroggins, signed the American College and University Presidents’ Commitment on Climate at the urging of faculty and students. A Climate Commitment Implementation Committee then formed, which built consensus around the CAP by spearheading a collaborative planning process that included two CAP conferences, an eco-charrette, and several focus groups, which combined, facilitated the completion of the CAP in May 2018.

Speakers

Chisa Uyeki, President, Academic Senate; Collection Development Librarian, Library and Learning Resources Division, Mt. San Antonio College

Eera Babtiwale, LEED™ AP BD + C, Vice President of Sustainability, HMC Architects; United States Green Building Council IE Branch Board Member

Shaping Student Leaders: Skill Development Workshops at UC Berkeley

Topic Areas: Institutionalizing Sustainability; and Student Affairs & Leadership

Bren Hall, Room 1424

The Green Initiative Fund at UC Berkeley presents a series of Skill Development Workshops that help student leaders and managers develop valuable research, management, and grassroots organizing skills to implement a variety of sustainability projects. TGIF’s Skill Development Workshops are a three-part series: the first focuses on budgeting and project management, the second on grassroots organizing, and the third on institutionalizing environmental projects.

Speakers

Teresa Yu, Lead Program Associate, The Green Initiative Fund, Student Environmental Resource Center, UC Berkeley

The Million LED Challenge (LED Retrofit Solutions for Linear-Fluorescent Applications)

Topic Areas: Energy; and Procurement & Business Services

Engineering Science Building, Room 1001

The University of California Office of the President and UC Davis will present on their high visibility, statewide lamp conversion program titled The Million LED Challenge. This project was created with the objective of broadly promulgating the utilization of high efficiency, high quality LED replacement lamps across California to reduce greenhouse gas emissions by significantly advancing energy efficiency through this relighting effort.

Speakers

Adrian Ferreira, Interim Associate Director, Strategic Sourcing - Facilities Management, UC Office of the President

Michael Siminovitch, Professor, California Lighting Technology Center, UC Davis
Achieving Sustainable Parking

**Topic Areas:** Green Building and Transportation

Bren Hall, Room 4016

Try as we might to encourage alternative transportation methods, accommodating vehicles on a college campus remains a necessary endeavor. When Sacramento State knew a new parking structure was needed to accommodate the growth of the campus, a commitment was made to make it a sustainable one. Parking Structure 5 is able to share a story of success in making sustainable goals a reality when it comes to parking on campus.

**Speakers**

*Tony Lucas*, Senior Director, University Transportation & Parking Services, Sacramento State University

*Farid Ibrahim*, PE, SE, LEED™ AP, Director of Preconstruction Services, Clark Pacific

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UC Merced Dining Sustainable Food Fundraiser and Community Outreach

**Topic Areas:** Climate Action and Food Systems

Bren Hall, Room 1414

This presentation highlights Salvage Social Hour, a sustainable food and beverage fundraising event to support UC Merced’s Bobcat Pantry featuring gleaned “ugly” produce, by-products, and trim from kitchen production which usually go into the waste stream. One hundred percent of the proceeds from the event benefited UC Merced’s Bobcat Pantry, a critical source in providing food and connecting our students with other basic needs resources.

**Speakers**

*Mitchell Vanagten*, Executive Chef, Dining Services, UC Merced

*Matthew Perez*, Chef II, Dining Services, UC Merced

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The Students Asked: Development of an Environmental Justice Internship Program

**Topic Areas:** Social Equity

Marine Science Research Building, MSI Auditorium

Through an increase in student involvement, a request by a number of students came forth to create an internship program focused on Environmental Justice. The program was created as a joint collaboration between the Sustainability Program and the Office of Inclusive Excellence at CSU San Marcos. This presentation will focus on the internship program that began in Fall 2018. This collaboration is the next step in developing a comprehensive and inclusive sustainability effort at CSU San Marcos.

**Speakers**

*Juliana Goodlaw-Morris*, Sustainability Manager, Safety, Health and Sustainability, CSU San Marcos

*Ariel Stevenson*, Diversity Coordinator, Office of Inclusive Excellence, CSU San Marcos

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This Way to Sustainability

**Topic Areas:** Institutionalizing Sustainability; and Student Affairs & Leadership

Mosher Alumni House, Alumni Hall

The This Way to Sustainability Conference is a nationally recognized, student-run sustainability conference held each year at the Chico State campus. The conference focuses on challenges, ideas, solutions, and resiliency in planning our sustainable future by bringing people from all disciplines together to discuss their thoughts and ideas. This session will focus on the student-run conference that is giving students the platform to get involved and make a difference on both a personal and institutional level. The oceans are rising, but so is Chico State.

**Speakers**

*Michal Hanson*, Conference Coordinator, This Way to Sustainability Conference, CSU Chico

*Alyssa Myers*, Conference Coordinator, This Way to Sustainability Conference, CSU Chico
Meeting UC’s Climate Neutrality Goals One Meal at a Time

**Topic Areas:** Climate Action and Food Systems

Engineering Science Building, Room 2001

Many universities, including the UC system, have committed to dramatically reduce their greenhouse gas emissions. However, most institutions are focused on direct emissions from buildings, energy, and transportation. If California universities are going to be global leaders in climate change, it’s critical that food purchasing becomes part of their emissions reduction strategies. This panel will explore what it would look like for institutions to measure and reduce emissions from their food purchases and provide strategies for implementing sustainable food policies.

**Speakers**

- **Sapna Thottathil,** PhD, Associate Director of Sustainability, UC Office of the President
- **Ellen Vaughan,** Senior Food and Agriculture Campaigner, Food and Technology Department, Friends of the Earth
- **Ilana Braverman,** Program Manager, Farm Forward

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**Casino Night & Jazz Reception**

4:45pm - 7:45pm

Exhibit Hall at Campus Green

Please join us for a James Bond themed evening with live music at the exhibit hall. We will be giving free tokens to attendees to use in playing games and there will be many chances to catch up with colleagues.

**Sustainability Officers’ Dinner**

(Restricted to sustainability officers from any campus)

7:15pm - 10:00pm (or 7:30pm if meeting the group at the Creekside)

Please meet us at the Campbell Hall Bus Loop at 7:15pm or at the Creekside Restaurant and Bar, 4444 Hollister Ave, Santa Barbara, CA 93110 at 7:30pm.

Do you fill the role of sustainability officer for a college or university in California? Please join us for dinner, music, and dancing at the Creekside Restaurant and Bar in Goleta. This will be a networking event with a relaxed format.
Concurrent Sessions F: Panel Presentations

Wednesday, July 10th

8:00am - 9:15am

Successfully Implementing a Campus Green Cleaning Program

**Topic Areas:** Green Building; and Procurement & Business Services

Bren Hall, Room 1424

Green cleaning programs allow campuses to move towards purchasing products that are less harmful to employees, building occupants, and the environment. This session will provide lessons learned, challenges, and successes in UC Merced, UC Irvine, and UC San Diego’s work implementing a green cleaning program in collaboration with Waxie Sanitary Supply. Waxie will provide insight on packaging and life cycle impacts of “green” products while the campuses will touch upon the importance of these products when it comes to protecting workers health.

**Speakers**

**Mark Maxwell,** LEED™ AP, Interim Director of Sustainability, Office of Sustainability, UC Merced

**Rachel Harvey,** PhD, Sustainability Program Manager, Housing, UC Irvine

**Keith Schneringer,** LEED™ AP, Director of Channel Marketing + Sustainability, Waxie Sanitary Supply

**Moderator**

**Sapna Thottathil,** PhD, Associate Director of Sustainability, UC Office of the President

NXTerra: A Collaborative Educational Platform for Climate Change Action

**Topic Areas:** Climate Action and Curriculum

Marine Science Research Building, MSI Auditorium

During this presentation, take a look into UC-CSU NXTerra, a Knowledge Action Network (KAN) and digital platform directed toward climate educators of all disciplines. It draws on the urgency of climate policy, based on decades of inaction, to provide a comprehensive set of resources to accelerate climate education.

**Speakers**

**Daniel M. Fernandez,** PhD, Professor and Coordinator, Environmental Studies, School of Natural Sciences, CSU Monterey Bay

**John Foran,** PhD, Professor, Sociology and Environmental Studies, UC Santa Barbara

**Mark Stemen,** PhD, Professor, Geography and Planning Department, CSU Chico

The Gold Standard in State of the Art Laboratory Buildings

**Topic Area:** Green Building

Harold Frank Hall, Room 1104

This presentation by San Diego State University goes into the collaborative process of LEED™ Gold certification for their Engineering and Interdisciplinary Complex. It incorporates various categories in which sustainable practices were implemented to achieve the certification. The presentation will address the different methods used and explain why this laboratory deserves to be viewed as the gold standard in the CSU system.

**Speakers**

**Tom Abram,** PE, CEM, LEED™ AP, Energy and Sustainability Officer, Facilities Services, San Diego State University

**Jerrold Fox,** AIA, Project Director, AC Martin Higher Education Studio, AC Martin

**Melanie Bontusa,** LEED™ AP BD&C, LEED™ AP HOMES, Senior Project Manager, Brightworks Sustainability

**Javier Ares,** Principal, Mechanical Department, McParlane & Associates, Inc.
The Path to Zero Waste Buildings

**Topic Areas:** Institutionalizing Sustainability, Green Building; and Waste Reduction & Recycling

At UCB, the Connie and Kevin Chou Hall is the first academic building to achieve US Green Building Council’s TRUE Zero Waste Platinum Certification. A second presenter from UCB will speak about their Zero Waste Building Program which improves the waste management system through infrastructure and signage standardization, customer and operation support, building user and custodial training, and education and promotion. Then, the Lawrence Berkeley National Lab will present on their use of mini waste audits to gain insight into building-level waste diversion to enhance their zero waste strategy. Attendees will learn how the data that the Berkeley Lab obtained has guided their communication with stakeholders and how they used Google Data Studio to present results. Going on its third year, this program has resulted in three buildings achieving zero waste!

**Speakers**

**Michelle La,** MBA, TRUE Advisor; Zero Waste Specialist, Cal Zero Waste, Facilities Services, UC Berkeley

**Lin King,** Manager, Cal Zero Waste, Facilities Services, UC Berkeley

**Izzy Parnell-Wolfe,** Zero Waste Specialist, Cal Zero Waste, Facilities Services, UC Berkeley

**Brie Fulton,** Sustainability Program Manager; Sustainable Berkeley Lab, Lawrence Berkeley National Laboratory

**Moderator**

**Mike Carey,** Sustainability Coordinator, Administrative Services, Orange Coast College

### Road to Understanding Inclusive Sustainability

**Topic Areas:** Institutionalizing Sustainability and Social Equity

Over the last few years, social equity has become more visible within sustainability. This session will give participants the opportunity to evaluate where their institution is with connecting equity and sustainability and the importance of this work. This open space dialogue will discuss strategies, lessons learned, and provide valuable feedback for those doing the work or interested in starting the work at their institutions. This session will use a variety of facilitation methods to engage the audience.

**Speakers**

**Juliana Goodlaw-Morris,** Sustainability Manager, Safety Health & Sustainability, CSU San Marcos

**Ariel Stevenson,** Diversity Coordinator, Office of Inclusive Excellence, CSU San Marcos

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**Innovative Fellowships: Bridging Facilities and Academic Programs**

**Topic Areas:** Energy and Institutionalizing Sustainability

Through Strategic Energy Innovation (SEI)’s Climate Corps fellowship program, dedicated emerging sustainability professionals are recruited and placed at a higher education (college, university, or district) site. A number of local funding sources (utilities, grants) help to support the innovative fellowships while Strategic Energy Innovations and the campus staff partner (typically in facilities) collaborate to scope the Fellow’s position and breadth of projects. Fellows gain professional training and development through SEI, but report directly to campus staff on a full-time basis.

**Speakers**

**Natalie StClair,** Facilities and Energy Fellow, Los Angeles Community College District

**Alyssa Hagerbrant,** Associate Project Coordinator, Higher Education, Strategic Energy Innovations

**Julie Nguyen,** Zero Waste Program Associate, Facilities, San Mateo County Community College District

**Sloane Pagal,** Green Office Program Associate, Santa Rosa Junior College

**Jacob Pollack,** Program Manager, Higher Education, Strategic Energy Innovations

**Moderator**

**Alison Erlenbach,** Senior Program Manager, Government and Community Partnerships, Pacific Gas & Electric Company
Procurement as a Force for Good: UC Revamps Sustainable Procurement

**Topic Area:** Procurement & Business Services

Harold Frank Hall, Room 1104

Purchasing departments, such as the University of California Office of the President, have embraced the responsibility and opportunity to leverage their purchasing power as a force for good. But assessing and managing sustainability performance (environmental, social, labor, and ethical practices) across a widely decentralized organization, while also adhering to public procurement constraints, poses huge challenges. In this presentation, UCOP will talk on their innovative uses of a standardized sustainability rating system to regulate the monitoring of supplier practices in order to provide mutual value and engage collaboratively to drive improvements.

**Speakers**

Stephanie Lopez, Special Programs Manager, Procurement Services, UC Office of the President

Maureen Loman, Senior Corporate Social Responsibility Analyst, EcoVadis

Stormwater CAPTURE: New Guidelines from SWB, DSA, and DOE

**Topic Areas:** Institutionalizing Sustainability; and Water & Landscape

Bren Hall, Room 1414

Compliance with stormwater requirements remains challenging for campuses in an ever-changing environment. In this talk, Sacramento State will address this challenge by covering three areas: strategies for statewide trash control, improvements to low impact development (LID) sizing, and integration of runoff into the portfolio of campus resources.

**Speaker**

Brian Currier, PE, Research Engineer, Office of Water Program, Sacramento State University

Teaching Systems Thinking in the Context of Sustainability

**Topic Area:** Curriculum

Marine Science Research Building, MSI Auditorium

Systems thinking is a holistic way of examining multiple factors associated with a given challenge or problem. Applying this mode of thinking to issues of sustainability is a rational approach to consider means to adapt to and mitigate the effects of climate change. Proper implementation of systems-based approaches highlight many of the consequences of different actions. In order to be able to apply a common framework and language to the idea of systems thinking, we describe a systems thinking curriculum.

**Speaker**

Daniel M. Fernandez, PhD, Professor, School of Natural Sciences, CSU Monterey Bay

#ZeroToWell: Achieving Zero Waste Events at UC San Diego

**Topic Area:** Waste Reduction & Recycling

Engineering Science Building, Room 1001

UC San Diego has successfully achieved zero-waste at two large-scale events: WellFest, and the Wellness Fair. By incorporating sustainability at the planning phase with the goal of zero-waste in mind, they were able to actively engage vendors, plan the organization and flow of the event, strategically engage campus partners, and educate attendees to make these events a success. Moving forward, they intend to host more zero-waste events, and create guidelines for other events to achieve zero-waste.
Paving the Way for Mobility on Demand at UCLA

**Topic Area:** Transportation

Bren Hall, Room 4016

The car-centric nature of the Los Angeles region is shifting in favor of reducing traffic, prioritizing people over cars, reducing greenhouse gases, and utilizing technology to maximize sustainable transportation. At UC Los Angeles, alternative transportation is no longer walking, biking, public transit, carpool, and vanpool, but now driving alone. New programs and strategies to accommodate ride-hailing, micro-mobility, and emerging transportation innovations help to augment investments in reconfiguring roads, investing in bicycle, pedestrian, rideshare infrastructure, and transportation demand management as a whole.

**Speaker**

Jimmy Tran, Senior Transportation Planner; Transportation, UC Los Angeles

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The Global Sustainable Campus Partnership Program

**Topic Areas:** Energy and Institutionalizing Sustainability

Bren Hall, Room 1424

This session presents on the Sustainable Campus, Sustainable Cities (SCSC) initiative that engages UC Davis students, faculty, and staff in an effort to transform the campus into a practical solutions showcase demonstrating how communities can reduce GHG emissions even while growing. As part of the SCSC initiative, the Global Sustainable Campus Partnership Program (GSCPP) connects institutions with the common goal of building carbon neutral communities that use resources sustainably. This program was developed to facilitate progress by sharing information, skills, and practices.

**Speakers**

Devon Schmidt, Graduate Student Researcher, Facilities Energy & Engineering, UC Davis

Joshua Morejohn, Energy Manager, Facilities Energy & Engineering, UC Davis
Networking Coffee Break

10:00am - 11:20pm
Exhibit Hall at Campus Green
Please join us for some coffee, a chance to check in with colleagues, and to learn about products and services that can help your campus to achieve your sustainability goals.

Concurrent Sessions H: Panel Presentations

Wednesday, July 10th

11:20am - 12:35pm

LEEDing the Way to Sustainable Campuses

Topic Area: Green Building
Harold Frank Hall, Room 1104

Three California State University campuses will showcase their unique green buildings which have each achieved LEED™ certifications. CSU Long Beach will present the LEED™ Platinum certified, first net-zero-source energy classroom in the CSU system that helps work toward the college’s 2030 carbon neutrality goal. CSU Long Beach will also present a renovated 1950’s era science building that has been transformed into a LEED™ Gold certified building.

Speakers
Lisa Salgado, Construction Project Manager, Design and Construction Services, CSU Long Beach
Aravind Batra, PE, LC, LEED™ AP BD+C, Vice President, Senior Electrical Engineer, P2S Inc.
Amanda Snelson, AIA, LEED™ AP BD+C, Associate Principal, ZGF Architects LLP
Martin Grant, LEED™ AP BD+C, Program Manager, Capital Construction, Design and Construction Services, CSU Long Beach

Moderator
Nurit Katz, MBA, Chief Sustainability Officer and Executive Officer, Facilities Management, UC Los Angeles

Institutionalizing Campus as a Living Lab: Field Case Studies

Topic Areas: Curriculum and Institutionalizing Sustainability
Engineering Science Building, Room 1001

Realizing the promise of campus and community as living laboratories for students is the ultimate goal. Done well, these applied learning pathways offer significant returns to students, campus stakeholders, and community partners, while breaking down traditional barriers between academics and operations. While there is no single approach, this session will present four distinct yet successful approaches from a variety of California campuses, including UC Merced, Skyline College, Orange Coast College, and the Los Angeles Community College District.

Speakers
Mark Maxwell, LEED™ AP, Interim Director of Sustainability, Office of Sustainability, UC Merced
Natalie StClair, Strategic Energy Innovations Facilities and Energy Fellow, Facilities, Planning and Development, Los Angeles Community College District
Mike Carey, Sustainability Coordinator, Administrative Services, Orange Coast College
Stephen Miller, Adjunct Faculty, SMT, Strategic Energy Innovations and Skyline College
Introducing Sustainability Practices into Landscaping Services

**Topic Areas:** Institutionalizing Sustainability; and Water & Landscape

Bren Hall, Room 1424

This session will demonstrate how UC Santa Barbara and UC Irvine are implementing sustainability initiatives into their landscaping services. UCSB will discuss how the Facilities Management Grounds department has incorporated environmentally-friendly battery-powered equipment that exclusively uses a bio-based fuel. This equipment was purchased through over $40k in external funding support. UC Irvine will discuss how they transitioned into zero-emission equipment as well as available incentives to help other schools successfully achieve this transition.

Please also join the UCSB speakers for a follow-up field trip, “Greening Grounds 2.0”, Wednesday, July 10th at 2:10pm.

**Speakers**

**Paris Wickliff**, Facilities Management, UC Santa Barbara

**Steve Miller**, Grounds Lead Mechanic, Facilities Management, UC Santa Barbara

**Saul Valdez**, Employee Transportation Coordinator, Sustainable Transportation, UC Irvine

**Gregory Haynes**, Grounds and Irrigation Supervisor, UC Irvine

**Christopher W Dilbeck**, PhD, Air Pollution Specialist, Monitoring and Laboratory Division, California Air Resources Board

**Moderator**

**Bonny Bentzin**, LEED™ AP, Deputy Chief Sustainability Officer, Office of Sustainability, UC Los Angeles

The Circular Economy of Clothing and Household Goods

**Topic Areas:** Institutionalizing Sustainability; Student Affairs & Leadership; and Waste Reduction & Recycling

Bren Hall, Room 4016

Discussing tactics to create a circular economy of clothing and housing items, two campuses will share their models to reach clean post-consumer collection and redistribution. The Wear Movement at San Francisco State University has received a grant from the San Francisco Department of the Environment in order to reduce the 4,500 pounds of textiles directed to landfills every hour. UC Santa Barbara’s Isla Vista Trading Post is a student-run organization sharing how they fight fast fashion and clothing waste by redistributing clothing for free at pop-up events throughout the year.

**Speakers**

**Constance B Ulasewicz**, Co-Founder, The Wear Movement; Department of Family Interiors Nutrition & Apparel, San Francisco State University

**Julia Feldman**, Co-President, Isla Vista Trading Post; Event Coordinator, CHESC, UC Santa Barbara

**Sofia Willis**, Founder and Co-President, Isla Vista Trading Post, UC Santa Barbara

**Moderator**

**Anne Brown Krieghoff**, Sustainability Program Manager, Facilities Management, UC Irvine
**Increasing Laboratory Energy Efficiency**

**Topic Areas:** Energy, Green Building, and Institutionalizing Sustainability

Marine Science Research Building, MSI Auditorium

During this presentation, take a look into energy efficiency and savings in laboratory settings, as three campuses will share their methods in implementing sustainable practices. UC Santa Barbara will present a whole-building verification method used to analyze energy use and savings at a UCSB lab. Lawrence Berkeley National Laboratory will share a new Integrated Laboratory Airflow Management program, implementing different methods to restore building function, save energy, and enhance safety. Stanford University will focus on energy efficient fume hoods, showing a cost-benefit analysis that looks at energy and greenhouse gas reduction.

**Speakers**

- **Jordan Sager,** PE, LEED™ AP, Campus Energy Manager, Facilities Management, UC Santa Barbara
- **David James Gilliland,** PE, Energy Efficiency Consultant, Director, kW Engineering
- **Deirdre Carter,** PE, Energy and Sustainability Manager, Sustainable Berkeley, Lawrence Berkeley National Laboratory
- **Amanda Maki,** Student intern, Facilities Energy Management, Stanford University

**Moderator**

- **Sapna Thottathil,** PhD, Associate Director of Sustainability, UC Office of the President

**Commissioning Programs and Energy Management Systems**

**Topic Areas:** Climate Action, Curriculum, and Energy

Bren Hall, Room 1414

This session aims to explore the different projects being implemented by universities in California today to make energy management and building operations as efficient as possible. Lawrence Berkeley National Laboratory will touch upon how SkySpark is being used to support their ongoing commissioning approach. Pomona College will present on how their data-driven analytics platform (ACCO BEMS) continuously commissions the building by identifying anomalies and diagnosing issues through sensors, actuators, and sequences of operation. This session will then conclude with UC Davis’ approach to saving energy by using building data to improve meter management and central plant performance while using savings to fund its operations.

**Speakers**

- **Chris Weyandt,** PE, CEM, Energy Management Engineer, Sustainable Berkeley Lab, Lawrence Berkeley National Laboratory
- **Raphael Vitti,** PE, Energy & Data Engineer, kW Engineering
- **Dotty Hage,** Energy & Project Manager, Facilities, Pomona College
- **Joshua Morejohn,** Energy Manager, Facilities: Energy & Engineering, UC Davis
- **Nicolas Fauchier-Magnan,** Energy Engineering Supervisor, Facilities: Energy & Engineering, UC Davis

**Moderator**

- **Zuhair Mased,** Director, Energy, Sustainability and Engineering, UC Merced
**Sustainability Practices as Bridge Builders**

**Topic Areas:** Climate Action and Institutionalizing Sustainability

Mosher Alumni House, Alumni Hall

How do you go about developing a sustainability project that hits on all four cylinders - university operations, academics, research, and community embeddedness? Through a series of case briefs from Arizona State University Sustainability Practices and exercises, participants will practice developing projects or initiatives that align sustainability operational goals with the mission of the institution, making them more resilient through broader buy-in.

**Speaker**

Michael Dalrymple, Director, University Sustainability Practices, Arizona State University

**Moderator**

Stephen Miller, Deputy Director, Strategic Energy Innovations

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**UCSB MSI Research Experience and Education Facility (REEF) Field Trip**

**Topic Areas:** Student Affairs & Leadership

Meet by the Registration Desk at Campus Green

Through their Oceans-to-Classroom program design, the REEF provides hands-on instruction about local marine organisms and the role that the marine environment plays in our lives. This interactive aquarium houses 100 different species of marine plants and animals including sharks and their developing embryos, octopuses, lobsters, and more! Learn how the REEF’s seawater system operates and why the biogeography of the Santa Barbara region is so significant to UCSB’s research and community. Through their interdisciplinary approach, visitors are introduced to UCSB research departments and the ongoing research projects the REEF supports.

**Speaker**

Kyler Plouffe, Undergraduate Student, REEF Intern, Marine Science Institute, UC Santa Barbara
Concurrent Sessions I: Panel Presentations

Wednesday, July 10th

2:10pm - 3:25pm

Students Paving the Way to Social Equity

**Topic Areas:** Social Equity; and Student Affairs & Leadership

Bren Hall, Room 1424

Students have taken charge of the issue of social injustices at UC Berkeley and UC Santa Barbara. UC Berkeley’s students will present on 2 different environmental justice programs. The Students of Color Environmental Conference was created by students for students to learn and foster discussion about environmental justice. Also at UC Berkeley, the Student Environmental Resource Center and The Green Initiative Fund have been working to institutionalize environmental justice programs. UC Santa Barbara will share the process students went through to bring their idea of the Environmental Justice Alliance to be implemented on campus.

**Speakers**

**Zahira Chaudhry,** Students of Color Environmental Conference Planning Team Member, Students of Color Environmental Collective, UC Berkeley

**Sarah Naameh,** Undergraduate Student, Data Science & Conservation and Resource Studies, Students of Color Environmental Collective, UC Berkeley

**Matthew R Campa,** Recent Alumnus, Environmental Studies; Environmental Affairs Board Laisonne, Environmental Justice Alliance; Intern, Program for the Assessment and Certification for the Environment and Sustainability (PACES), Sustainability Program, UC Santa Barbara

**Andrea Luna,** Student, Environmental Justice Associate, UC Berkeley

Reimagining Food System Education

**Topic Areas:** Curriculum and Food Systems

Bren Hall, Room 4016

Chew on this session which explores two campuses’ methods for integrating food systems into their curriculum. Santa Clara University will offer insight to how campus farms and gardens can work with various departments and incorporate student and community engagement. UC Los Angeles will showcase their “foodprint seminar” course that draws connections between food systems and environmental sustainability.

**Speakers**

**Katharine Rondthaler,** Organic Garden Manager, The Forge Garden, Santa Clara University

**Jennifer Ayla Jay,** PhD, Professor, Department of Civil and Environmental Engineering, UC Los Angeles

**Hannah Malan,** MSPH, PhD Student, Fielding School of Public Health, UC Los Angeles

**Moderator**

**Ana Camaddo,** Student Coordinator, Edible Campus Program, UC Santa Barbara

How Sustainability Programs Can Create Change in Waste Diversion

**Topic Areas:** Energy, Green Building; and Waste Reduction & Recycling

Harold Frank Hall, Room 1104

This session highlights three presentations discussing different campus organizations’ efforts to create sustainable change in on-campus labs and buildings, amongst staff and faculty. CSU Chico’s Sustainable Consultation of Office Practices will discuss their role on campus amongst staff and faculty and their latest initiative “Office Diversion Excursion.” R3 Green
Labs is a student-led program at UC Riverside’s research facilities that reduces waste through: (i) a green labs certification program, (ii) research on building resources, initiatives, and policies, and (iii) education, marketing and outreach. CSU San Marcos will present technology that allows biological safety level 1 & 2 waste to be diverted and used to power the local power grid.

 Speakers
 Alyssa Myers, Sustainable Consultations of Office Practices (SCOOP), Facilities Management and Services, CSU Chico
 Elizabeth Deyett, PhD Candidate, Botany and Plant Science, UC Riverside
 Madison Reichhold, Undergraduate Team Member of R^3 Green Labs Program
 Cai Steffler, Environmental Health & Occupational Safety Specialist, Finance and Administrative Services, CSU San Marcos

 Moderator
 Carrie Metzgar, Sustainability & Planning Analyst, Physical & Environmental Planning, UC Irvine

 How and Why Campuses Make Decisions for Sustainability: Podcast Recording
 Topic Areas: Institutionalizing Sustainability
 Engineering Science Building, Room 1001
 How are different campuses institutionalizing their sustainability efforts? How do ideas move beyond concepts and pilots and become a lasting mission-centric part of the institution? How do approaches compare between small vs. large campuses, public vs. private institutions, community colleges vs. large research institutions? The Campus Energy and Sustainability Podcast will be recording this session with sustainability professionals from California State University East Bay, San Mateo Community College District, Chapman University, and the University of California Los Angeles.

 Speakers
 Jillian Buckholz, Director of Sustainability, CSU East Bay
 Joe Fullerton, LEED™ AP, Certified Educational Facilities Professional, Energy and Sustainability Manager, Facilities Planning, Maintenance and Operations, San Mateo County Community College District
 Mackenzie Crigger, MBA, Energy and Sustainability Manager, Lecturer, Schmid College of Science and Technology, Chapman University
 Nurit Katz, MBA, Chief Sustainability Officer and Executive Officer, Facilities Management, UC Los Angeles
 David J Karlsgodt, Podcast Host, Higher Ed. and Sustainability, Campus Energy and Sustainability Podcast and Fovea, LLC

 Moderator
 Ann McCormick, PE, LEED™ AP, Principal, Newcomb | Anderson | McCormick; Senior Vice President, Willdan

 Topic Areas: Energy and Institutionalizing Sustainability
 Marine Science Research Building, MSI Auditorium
 This session will have two best practice speakers present on their innovative projects implementing solar power. UC Merced will go in depth on their installation of a 4.8 megawatt solar power system that featured a carport and rooftop solar as well as a 483/900-kilowatt hour energy solution from Lockheed Martin. This is complemented by Cal Poly San Luis Obispo’s 4.5 MW Gold Tree Solar Farm project that provides $17 million in utility savings that will be used to finance a new Solar Engineering and Microgrid Laboratory as well as five partner programs.

 Speakers
 Breeana Sylvas, Assistant Director, Department of Sustainability, UC Merced
 Dennis K Elliot, PE, CEM, Director of Energy, Utilities, and Sustainability, Facilities and Development, Cal Poly San Luis Obispo
**Strategic Plans for Implementing Sustainability**

**Topic Areas:** Climate Action and Institutionalizing Sustainability

Bren Hall, Room 1414

This strategy-based session details three campuses’ approach to truly institutionalizing sustainability. At Santa Clara University, a people-oriented plan was built by university stakeholders and formulated with interactive components so its campus community could directly contribute to the plan’s outlined goals and objectives. San Diego State University implemented the UN Habitat’s Guiding Principles for Climate Action, where a group of students were able to translate it into the 2017 SDSU Climate Action Plan. Mt. San Antonio speaks on its Climate Action Plan (CAP) which includes two conferences, an eco-charrette, and several focus groups.

**Speakers**

Lindsey Kalkbrenner, MBA, Director, Center for Sustainability, Santa Clara University

Cara K. Uy, Sustainability Manager, Center for Sustainability, Santa Clara University

Victoria Lawless, Health Science & Public Health B.S. 2019, San Diego State University

Zohir Chowdhury, Associate Professor, School of Public Health, Division of Environmental Health, San Diego State University

Chisa Uyeki, Collection Development Librarian and President of the Academic Senate, Library and Learning Resources Division, Mt. San Antonio College

Eera Bahtiwale, LEED™ AP BD + C, Vice President of Sustainability, HMC Architects, United States Green Building Council IE Branch Board Member

**Moderator**

Nikhil Schneider, Energy and Sustainability Coordinator, CSU Northridge

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**Allyship for Sustainability Professionals: Supporting Diversity and Social Justice Work**

**Topic Areas:** Institutionalizing Sustainability and Social Equity

Mosher Alumni House, Alumni Hall

This interactive workshop will discuss the concept of allyship and provide an overview of the pilot UC Sustainability Officers Ally group. We will practice some of the processing tools used by the UC group to facilitate challenging discussions on diversity, inclusion, white privilege, and implicit bias, share accomplishments and lessons learned in the pilot year, and share methods and approaches to consider starting a group on your own campus.

**Speakers**

Elida Erickson, Director, Sustainability Office, UC Santa Cruz

Rachel Harvey, PhD, Sustainability Program Manager, Student Housing, UC Irvine

Erin Fabris, Sustainability Manager, Housing & Hospitality Services, UC Los Angeles

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**Greening Grounds 2.0 Field Trip**

**Topic Areas:** Water & Landscape; Institutionalizing Sustainability

Meet by the Registration Desk at Campus Green

UCSB will do a demonstration of the equipment used in UC Santa Barbara’s Facilities Management Grounds department. Attendees will get the chance to see first hand, start up, hear, and watch the equipment in action. This will showcase how battery-powered and more environmentally-friendly products have a place in industrial landscaping environments.

**Speakers**

Matt O’Carroll, Refuse, Recycling & Water Efficiency Manager; Facilities Management, UC Santa Barbara

Steve Miller, Grounds Lead Mechanic, Facilities Management, UC Santa Barbara
It’s Not About Science, It’s About Justice

Closing Keynote by Mary Annaïse Heglar

3:40pm-4:55pm
Broida Hall, Room 1610

Mary Annaïse Heglar is a climate justice essayist and communications professional based in New York City. Her writing is known for critiquing the narratives around climate change, especially as it relates to people of color and movement-building. Her work has been published in Vox and Dame Magazine and she writes regularly on Medium and rants almost daily on Twitter. She is also the director of publications at the Natural Resources Defense Council, where she has worked for 5 years.

Post-Conference Workshops

Thursday, July 11th

UC/CSU Energy Managers Meeting (Invitation only)
8:00am - 3:00pm
Engineering Science Building, Room 1001

The Joint UC/CSU Energy Manager’s Meeting is an in-depth workshop for Energy Managers of Colleges and Universities in California. The focus will be an interactive session for participants to share best practices, lessons learned and practical advice, along with breakout sessions on topics of interest. Agenda items also include the state of the current UC/CSU/IOU Partnership Program and other Program updates. This event is only open to people who fill the role of Energy Manager (or the equivalent) for a college or university campus, unless specifically/personally invited as a speaker by UCOP or the CSU Chancellor’s Office. This event is open to UC, CSU, CCC, and private college Energy Managers.

Student Convergence
9:00am - 1:00pm
Bren Hall, Room 1414

The student convergence is a half day event that will be highlighting new student campaigns, upcoming projects, and skill-sharing workshops. Students will have a chance to network, discuss, and cross silos with other student leaders looking to better their campuses and communities from California Community Colleges, California State Universities, Universities of California, and Private campuses throughout the state. This workshop includes a lunch. Please eat breakfast before arriving.
Host Committee

UCSB’s 2018/2019 Chancellor’s
Campus Sustainability Committee Members

Renee Bahl (Co-Chair), Associate Vice Chancellor, Design, Facilities & Safety Services
David Lea (Co-Chair), Faculty, Earth Science
Kristin Antelman, Campus Librarian
Kirby Bartlett, Graduate Student Association Representative
Henning Bohn, Chair, Academic Senate; Professor, Economics
Mark Brzezinski, Faculty, Ecology Evolution and Marine Biology
Kathryn Foster, Environmental Affairs Board Undergraduate Representative
Roland Geyer, Faculty, Bren School of Environmental Science & Management
Ken Hiltner, Faculty, Environmental Humanities
Chuck Haines, Assistant Chancellor, Budget & Planning

Dennis Whelan, Associate Campus Architect
Hunter Lenihan, Faculty, Bren School of Environmental Science & Management
Quinn Lyon, Associated Students Undergraduate Representative
Garry MacPherson, Vice Chancellor, Administrative Services
Eric Mcfarland, Faculty, Engineering
Derek Musashe, Staff Representative, Coordinator & Career Counselor: Science & Health
Britt Ortiz, Staff Representative, Student Affairs
Sophie Roberts, Environmental Affairs Board Undergraduate Representative
Sangwon Suh, Faculty, Bren School of Environmental Science & Management
Janet Walker, Faculty, Film and Media Studies

Advisors to the Committee

Alan Heeger, Noble Laureate, Emeritus Professor, Chemistry
Bill Shelor, Sustainability University Now (SUN) Representative
Steering Committee

Chairs

**Fahmida Ahmed**, Bangert, Director, Sustainability and SEM Business Services, Sustainability and Energy Management, Stanford University

**Mo Lovegreen**, Director of Sustainability, UC Santa Barbara

Voting Members

**Alison Erlenbach**, CCC/IOU Energy Efficiency Partnership Program; Senior Program Manager, Government and Community Partnerships, Pacific Gas and Electric Company

**Farrah Farzaneh**, Director, Facilities, Planning, and Construction, San Bernardino Community College District

**Daniel Fernandez**, Professor, School of Natural Sciences, CSU Monterey Bay

**Gerri McNenny**, Associate Professor, College of Educational Studies, Chapman University

**Lisa Hannaman**, UC/CSU/IOU Energy Efficiency Partnership Program; Account Manager, Southern California Edison

**Lindsey Kalkbrenner**, Director, Center for Sustainability, Santa Clara University

**Nurit Katz**, Chief Sustainability Officer, UC Los Angeles

**Katie Maynard**, Executive Director, California Higher Education Sustainability Conference and Sustainability Coordinator, UC Santa Barbara

**Ann McCormick**, PE, LEED AP, CCC/IOU Energy Efficiency Partnership Program; Principal, Newcomb | Anderson | McCormick; Senior Vice President, Willdan

**Carlos Montoya**, Director, Facilities Planning Unit, California Community Colleges

**Don Reid**, Supervisor, Printing Services, American River College

**Matt St. Clair**, Director of Sustainability, UC Office of the President

Advisors

**George Coronel**, Institutional Partnership Programs Manager, Southern California Edison

**Marianne Sy**, Energy Programs Advisor, San Diego Gas and Electric

**Maychelle Yee**, Senior Utility Services Specialist, Los Angeles Department of Water and Power
Yardi Systems

Yardi® is committed to the design, development and support of software for real estate investment management, property management and energy management. The Yardi Voyager® platform is a complete real estate management solution. It includes marketing, leasing, operations, procurement, energy and ancillary solutions to help property owners, managers and investors increase revenue and asset value and reduce expense and risk. For the energy market, the Yardi Pulse® suite helps manage costs, measure consumption and track sustainability initiatives. For more information on how Yardi is Energized for Tomorrow, visit yardi.com.

www.yardi.com

Office Depot

Office Depot, Inc. is a leading global provider of business services, supplies and technology solutions for every facility, clinic or organization – through its fully integrated omni-channel platform of 1,300+ stores, world-class ecommerce sites, mobile app, dedicated sales professionals and technicians. Through its banner brands Office Depot®, OfficeMax®, CompuCom® and Grand&Toy®, the company offers its customers the tools and resources needed to focus on their passion of starting, growing and running their business with optimal productivity.

www.OfficeDepot.com

SunPower

SunPower is a global solar technology and energy services provider who puts customers in control of their electricity costs. Educational institutions rely on the company’s 30 plus years of experience and guaranteed performance to provide maximum return on investment throughout the life of their SunPower® solar system. By offering schools a complete solar solution and a commitment to educating the leaders of tomorrow, SunPower is changing the way our world is powered.

www.sunpower.com
**COMMUNITY SPONSORS**

**Calsense**

Calsense contributes to a sustainable future by helping customers conserve water, manage labor, and save money. Committed to customer success, we deliver high-quality products backed by pre- and post-sales support recognized industry-wide. As specialists in government landscape applications, Calsense has remained dedicated to water efficiency for over 30 years by providing weather-based irrigation solutions, flow monitoring, soil moisture sensing, and managing water budgets. As a WaterSense partner, Calsense shares in the EPA’s vision to protect and preserve the nation’s water supply.

www.calsense.com

**Enpowered Solutions**

Enpowered Solutions is one of California’s leading energy efficiency, commissioning, and renewable energy firms supporting the higher education community in achieving its carbon neutrality and sustainability goals. We partner with our clients using a consultative, vendor-agnostic approach, allowing us to consider the most appropriate technologies and solutions based on our clients’ specific needs. Enpowered provides a unique blend of controls innovation, insightful commissioning, and energy engineering expertise to unlock our client’s value, and enhance system and facility performance.

www.enpoweredsolutions.com

**GI Energy**

GI Energy, an affiliate of Shell New Energies, specializes in distributed energy resource development, including financing, construction and operations. We deliver outstanding reliable, resilient, clean and cost-effective energy infrastructure solutions for a variety of customers including educational institutions, real estate developers, municipalities, utilities and building owners. We leverage state-of-the-art technologies to hedge against volatile energy prices, improve energy reliability and reduce environmental impacts.

www.gienergyus.com

**Johnson Controls**

“Helping students achieve and campuses thrive. First impressions make a major impact on student recruitment. 65% of first-year students choose a college based on the campus appearance and its perceived maintenance. Creating a quality learning and living environment for students is more critical than ever. Johnson Controls provides building systems, equipment, battery storage, and performance infrastructure solutions. We help colleges and universities improve everything from comfort and security to sustainable design and emerging technologies.”

www.johnsoncontrols.com
Tarkett

With more than 135 years of experience, obsessive attention to detail, and a passionate commitment to people and the planet, Tarkett provides innovative flooring and surface solutions that don’t just perform, they inspire. Our Tarkett Solution SPECtrum™ offers the most extensive inventory of Cradle to Cradle ® certified products, from resilient to soft surface, and from products to adhesives to maintenance. Great spaces. One surface at a time.

www.tarkettna.com

UC/CSU/Utility Energy Efficiency Partnership

The UC/CSU/Utility Energy Efficiency Partnership was created to encourage energy efficiency investments and foster best practices in California’s Higher Education Systems. The state’s four investor-owned utilities (IOUs), including Pacific Gas & Electric (PG&E), Southern California Edison (SCE), Southern California Gas (SCG), and San Diego Gas & Electric (SDG&E), and Los Angeles Department of Water and Power (LADWP) a municipality utility, have partnered with the University of California (UC) and the California State University (CSU) systems to provide financial incentives and project support for energy efficiency improvements on the 33 campuses participating.

www.uccsuiouee.org

Waxie Sanitary Supply

WAXIE Sanitary Supply: We have been the experts in clean since 1945. WAXIE’s GPS® Green Partner Support™ Program guides you to more sustainable cleaning solutions which can help you reach your overall building occupant wellness, sustainability and budgetary goals. With Inventory Centers throughout California, a CHESS-compliant procurement contract, and LEED® Accredited Professionals on staff, WAXIE can assist in implementing green cleaning solutions that can contribute to cleaner, healthier and safer learning environments for your campus facilities.

www.waxie.com

Exhibitors

ADOMANI

ADOMANI, Inc. is a provider of zero-emission electric and hybrid vehicle drivetrain systems for integration in new school buses and medium to heavy-duty commercial fleet vehicles, as well as re-power conversion kits for the replacement of drivetrain systems in combustion-powered vehicles. ADOMANI is also a provider of new zero-emission electric and hybrid vehicles focused on reducing the total cost of vehicle ownership, and helps fleet operators unlock the benefits of green technology and address the challenges of traditional fuel price instability and local, state and federal environmental regulatory compliance.

www.adomanielectric.com

ASSA ABLOY

ASSA ABLOY Door Security Solutions combines the industry’s most knowledgeable door opening experts with products from leading door and hardware brands to provide complete opening solutions. ASSA ABLOY Door Security Solutions works closely with architectural, security, facilities and integrator communities to address challenges they encounter serving and securing their customers.

www.assaabloydss.com
Auto-Chlor System

We manufacture Commercial Dish Washing Machines and kitchen Cleaning Chemicals to include soaps, sanitizers, disinfectants, degreasers, etc. We have 16 service locations throughout CA. We offer a Direct Service model where our technician does your routine service, product delivery, employee training, etc with no middle man. We are great at tailoring a service program/frequency and meeting budgets.

www.autochlor.com

Capitol Energy Systems

Capitol Energy Systems offers a wireless energy management system designed specifically for schools and colleges, allowing you to control your HVAC units from any device with internet access. Our technology uses the existing wireless network so there are no wires that need to be run or additional equipment needed. We offer enterprise level Wi-Fi security and include all the services and training needed to launch a successful EMS system.

www.capitolenergysystems.com

CleanRiver Recycling Solutions

CleanRiver Recycling Solutions is a leading manufacturer of recycling bins. Creating less waste is our passion. Creating effective recycling bins is our purpose. CleanRiver has moved beyond the familiar ‘reduce, reuse, recycle’ towards a more environmentally sustainable approach called the 3C’s of recycling: Culture, Communication and Collection. As partners, we will ensure that your recycling program has a positive impact on both the environment and your bottom line.

www.cleanriver.com

Connectpoint

Connectpoint® suite of products offer advanced solar and battery-powered, ePaper, real-time digital signage for “smart transit” and “smart city” applications, efficiently accelerating transit needs and enabling a true mobility system. Connectpoint® products do not require electrical infrastructure and addresses the issues of cost efficiency and reliability for real-time departure information. Connectpoint’s Digital Bus Stop®, SmartStop® and Interactive Kiosk high-resolution imagery broadcasts real-time arrival/departures, service change updates, rider alerts, ad campaigns in addition to interactive trip planning. Weatherized and wireless, Connectpoint® Digital Signage, is easily deployed on existing bus stop poles and bus shelters within 30 minutes. Our content management system CPAM (Connectpoint Asset Management) integrates all legacy systems into one content portal.

www.connectpointdigital.com

DECRA Metal Roofing

Producing USA manufactured concrete and clay tile replacement roofing for 62 years, DECRA Metal Roofing provides the best alternative to traditional sloped roofing materials.

Designed for Style and Engineered to Protect, these CRRC rated roof systems provide the aesthetic value, cost, highest impact, wind and fire ratings for sloped roofing. 50 year commercial warranty.

www.DECRA.COM
ecogrounds

ecogrounds satisfies your uncompromising taste and thirst for a better world. Flavor is always first when we buy our green coffee. It’s also: always certified. always fair. always traceable. great taste. no waste. our bags are recyclable, our cups are compostable, and our operating partners share our values. let’s make coffee better, together. we contribute where coffee grows and coffee brews. learn how we bring water to farmers, food to student pantries, and waste to zero at www.ecogrounds.com

www.ecogrounds.com

Eco-Products

Eco-Products® is a leading brand of foodservice packaging made from renewable and recycled resources. Eco-Products provides packaging with real environmental benefits, works with customers to improve composting and recycling, and collaborates with the broader industry to shift how businesses and consumers think about and manage waste. With the goal of Zero Waste as part of the company mission, Eco-Products is using business as a force for good. Eco-Products became a Certified B Corp in 2016 and a Novolex™ brand in 2018.

www.ecoproducts.com

EcoVox

EcoVox is a full-service energy analytics company specializing in energy information systems and visualization solutions for the higher-education and commercial markets. EcoVox deploys both cloud-hosted and on-premise installations of SkySpark along with turn-key setup of fault detection and analytics. They also provide facility monitoring services, connected building commissioning/MBCx, as well as data dashboards. Their suite of SkySpark offerings includes apps for manual meter reads, tenant billing and recharge, in addition to energy management tools, utility tariff comparisons, and greenhouse gas tracking.

www.ecovoxinc.com

Electron

Electron provides phone chargers to go as a service. Our Supernova Stations hold 7 Electron Chargers each and users (students, staff and facility) can grab and go as much as needed during a day, month or semester based on the user’s subscription choice. We offer two different revenue share models.

www.electrontogo.com

EnvirOx

EnvirOx is a leading manufacturer of environmentally-preferred, safer cleaning chemicals and chemical dispensing systems. We are a woman-owned business passionate about providing simple, effective, healthier alternatives to every day cleaning products. Our patented hydrogen peroxide cleaning technology delivers unparalleled performance, safety, versatility and stability—resulting in a deeper clean without the hazardous fumes and toxicity.

www.enviroxclean.com
ESL Vision

Combining years of solid-state lighting design experience and a unique, patented installation approach, ESL Vision manufactures a complete line of innovative and efficient LED lighting solutions for virtually any retrofit, replacement or new lighting project. ESL Vision’s products save time and money by eliminating many of the hassles of installation, by reducing energy costs, and by qualifying end users for various utility company rebates and incentives.

www.eslvision.com

Fabri-Kal

Fabri-Kal is a leading provider of foodservice and custom thermoformed packaging solutions. Our customer base includes foodservice operators and consumer product manufacturers. We specialize in a variety of materials. Greenware® is our premium line of foodservice disposables made entirely from plants. We’re committed to producing packaging in a safe and environmentally-responsible way by using innovative materials and reducing our packaging where possible. We proudly manufacture our products in the USA.

www.fabri-kal.com

ForeFront Power

ForeFront Power is a solar development company with more than a decade of renewable industry experience, serving business, public sector, and wholesale power customers around the world.

Education is the core of our business. With over 400 megawatts (MW) of operational projects with schools, our team strives to transform your campuses solar installations beyond just energy production and savings.

www.forefrontpower.com

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Ever since our start in 1689, our passion for innovation, development and precision has led to a long line of successful products and solutions in very different areas - from sewing machines and motorcycles to market-leading outdoor power products for customers around the globe. Today, our commitment to increasing usability together with our respect for nature is guiding us to produce more ergonomic products with lower emissions and better energy efficiency than ever before.

www.husqvarna.com/us

Ingenium

At Ingenium, our Mission Statement, “We Care for Your World,” highlights our focus and commitment to providing outstanding service and innovative solutions to our customers. We offer a variety of sustainable and zero waste disposal options that can save you money and contribute to the preservation of our environment. If you are looking for a waste provider who you can trust with all your waste management needs, look no further! We are here and ready to help.

www.pureingenium.com
**Interface**

Interface, Inc. is a global commercial flooring company with an integrated collection of carpet tiles and resilient flooring, including luxury vinyl tile (LVT) and nora® rubber flooring. Our modular system helps customers create beautiful interior spaces which positively impact the people who use them and our planet. Our mission, Climate Take Back™, invites other companies to join us as we commit to running our business in a way that is restorative to the planet and creates a climate fit for life.

www.interface.com

**Lippert Components**

Lippert Components, Inc. (LCI®) is the world’s leading supplier of highly engineered products for the leisure and mobile transportation industries. From the open road to the open water, we supply a broad array of premium components for recreational pursuits. With over 65 facilities throughout North America and Europe, our more than 10,000 team members work together to bring innovative product and service solutions to customers every day.

www.lippertcomponents.com

**Max-R**

At Max-R, we partner with organizations to provide coordinated, sustainable solutions through our customized waste and recycle bins and site furnishings. As the innovator of the customized waste and recycle bin, we’ll create a bin that is not only specific to your waste streams, custodial needs and design requirements but one that will increase awareness of your sustainability program.

www.max-r.com

**MBS Engineering**

MBS Engineering has a rich history of natural gas expertise. Our highly trained and certified Field Technicians are dedicated to safely designing, detecting and repairing all needs and issues relating to natural gas systems. We hold both a General Engineering and C-36 Plumbing license and have successfully performed over 800 gas system surveys, more than 100,000 seismic valve installations, over 100 complete gas system re-pipes, and 1,000s of gas leak repairs since 2007. We are also an authorized distributor and installer of FlexEnergy Gas Turbines. Our credentials make us one of the only private organizations with certified regulator mechanics and factory trained gas survey technicians. This allows us to provide the experience, knowledge and skills necessary to become your trusted go-to company for all gas-related needs.

www.mbs.engineering
MelRok, LLC

MelRok LLC provides its patented and class-leading Facility and Energy Management IoT Platform as a Service (PaaS) to higher education, energy service companies (ESCOs), commissioning agents, controls and equipment OEMs, software firms, facility management providers, and mechanical contractors. Facility management hasn’t changed much since the invention of the first thermostat 200 years ago, but MelRok seeks to change this. Our platform helps building professionals manage legacy systems and adopt new technologies, all using a physics-based platform that identifies equipment failures, system inefficiencies and other anomalies leading to a more efficient building from both an operations and energy perspective.

www.melrok.com

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Developers of patented Hydro-Flo™ Technology Pavers: the only known concrete pavers with 100% surface permeability. It’s stronger than poured concrete, lower maintenance than asphalt, and 100% ADA compliant. It also eliminates standing water in problem drainage areas, conserves water resources by reducing runoff, controlling erosion, and returning rainwater to ground aquifers.

www.pacinterlock.com

Polaris Industries

Polaris Commercial offers a comprehensive line of highly sustainable and productive vehicle solutions for transporting people and hauling equipment in urban environments like colleges and universities. Polaris’ GEM®, PRO XD, and Taylor-Dunn® vehicles are more sustainable, safer, and more cost effective than alternative solutions due to right-sized designs and engineering for urban mobility environments. The dedicated employees of Polaris Commercial provide colleges and universities with free fleet analysis, simple purchasing processes, and a dedicated customer support team.

www.GEMcars.com

Priorclave North America

Priorclave North America helps researchers, scientists, and students maintain safe campus laboratories by providing reliable, sustainable steam autoclaves. We believe that your autoclave should do more than sterilize equipment—it should handle media, waste, and complex test protocols without squandering campus resources. Learn more about energy and water conserving autoclaves at PriorclaveNA.com, the first and only autoclave to carry the ACT environmental impact label from My Green Lab.

www.PriorclaveNA.com

Restaurant Technologies

Restaurant Technologies makes commercial kitchens safer, smarter, more efficient and more sustainable with its automated frying oil storage, handling, filtration monitoring and disposal management system. We deliver the fresh oil, our system pumps it to the fryer, pumps the waste oil back out and we pick up the waste for recycling – your employees never need to touch hot oil again.

www.rti-inc.com
Russell Sigler

Sigler is a pioneering mechanical equipment, controls, and technology company. Having served the HVAC industry for over sixty years, Sigler delivers value through excellence, innovation, and consistent execution. From virtual facilities management platforms, 3D scanning, and Revit tools, to award-winning chillers, air-handlers, VRF, and packaged rooftop systems – Sigler brings a unique tool set to the market. We are growth mindset driven, powered by talent, perseverance, and focused on pushing the envelope towards a sustainable future.

Siglercommercial.com

Thermo Fisher Scientific

Thermo Fisher Scientific is the world leader in serving science. Our mission is to enable our customers to make the world healthier, cleaner and safer. We help our customers accelerate life sciences research, solve complex analytical challenges, improve patient diagnostics, deliver medicines to market and increase laboratory productivity. Through our premier brands – Thermo Scientific, Applied Biosystems, Invitrogen, Fisher Scientific and Unity Lab Services – we offer an unmatched combination of innovative technologies, purchasing convenience and comprehensive services.

www.thermofisher.com

Tork Professional Hygiene, an Essity brand

Essity is a global hygiene and health company dedicated to improving well-being through our innovative products and services, essential necessities for everyday life. Essity is the maker of the leading global brand, Tork Professional Hygiene. Our objective is to develop solutions that contribute toward and drive a more sustainable and circular society and to offer efficient reuse, recycling or composting of our products, which reduces consumer waste.

www.torkusa.com www.essityusa.com/sustainability
Gold Nonprofit Sponsor

Mattress Recycling Council

The Mattress Recycling Council (MRC) was formed by the mattress industry to operate recycling programs (known as Bye Bye Mattress) in states which have enacted mattress recycling laws – California, Connecticut and Rhode Island. MRC educates the mattress industry about mattress recycling laws, assists retailers and manufacturers with their registration and reporting obligations, and works closely with local governments, waste management professionals, recyclers and others to create an accessible and efficient mattress collection and recycling network. Rest assured, MRC can help you understand your obligations and recycle your used mattresses.

www.mattressrecyclingcouncil.org

Community Nonprofit Sponsors

Antioch University

The Urban Sustainability Department at Antioch University Los Angeles is training the next generation of urban problem-solvers to meet the world’s dual challenges of climate change and inequality. Our two-year programs offer an educational home to like-minded students, faculty, and community partners who work and learn together in a hybrid, hands-on, cutting-edge program. We believe our urban centers can be just and sustainable places with effective educators, advocates, and agents of change leading the way. Our graduates are influencing how public policy is made; launching disruptive, forward-thinking social enterprises; while working with urban communities to ensure access to clean air and water, affordable renewable energy, food, education, healthcare, and housing.

Antioch University provides learner-centered education to empower students with the knowledge and skills to lead meaningful lives and to advance social, economic, and environmental justice.

www.antioch.edu/los-angeles

Nonprofit Sponsors

Fair Trade Campaigns

Fair Trade Campaigns is a powerful grassroots movement mobilizing thousands of conscious consumers and Fair Trade advocates on campuses and communities across the U.S. We are part of a global effort to normalize Fair Trade as an institutional practice and consumer...
preference across twenty-four countries on six continents. Fair Trade Colleges & Universities currently works with more than one hundred campuses across the U.S. to raise awareness around Fair Trade and increase institutional purchasing of Fair Trade products on campus.

fairtradecampaigns.org

The Campus Kitchen Project

Founded in 2001, The Campus Kitchens Project is the national program of renowned nonprofit and social enterprise, DC Central Kitchen. On campuses across the country, students transform would be wasted food into meals for their community. Because food alone will never end hunger, Campus Kitchens also develop programs that go ‘beyond the meal’ and target hunger’s root causes. Running a Campus Kitchen builds leadership skills and fosters relationships that students use today and in their future careers.

www.campuskitchens.org

Plug In America

Plug In America is the nation’s leading independent consumer voice for accelerating the use of plug-in electric vehicles in the United States. Formed as a non-profit in 2008, Plug In America provides practical, objective information collected from our coalition of plug-in vehicle drivers, through public outreach, policy work and PlugStar, our program that educates consumers and auto dealers. Our expertise represents the world’s deepest pool of experience of driving and living with plug-in vehicles. We drive electric. You can too.

www.pluginamerica.org

Marketing Sponsors

ClimeCo

ClimeCo implements and manages carbon emission reduction projects in North America and offers the resulting carbon offsets to organizations that use them as part of their sustainability plans. ClimeCo provides clients with unparalleled service in both the voluntary and regulated carbon markets and has been honored to receive the Climate Action Reserve’s “Project Developer of the Year” award three of the last four years.

www.climeco.com

Klean Kanteen

From community fundraising to events and outreach, Klean Kanteen understands that schools and nonprofits need to do a lot with a little. With lean budgets, yet major impact goals, we understand that every bit of support matters. That’s where we come in. We raise the bar from recycling and composting to actually eliminating waste from the outset with reusable solutions. What’s more, our bottles and pints go beyond a single event and continue to offset single-use waste in daily life.

www.kleankanteen.com
P2S Inc

P2S Inc. is an integrated professional services firm with dedicated MEPT engineering (P2S Eng), construction management (P2S CM), commissioning (P2S Cx) divisions. We deliver innovative, sustainable solutions to clients throughout California and beyond. Our team of engineers, construction managers and commissioning agents can help you plan, design, build and optimize your building systems, central plants and site infrastructure. From higher education and healthcare, to aerospace and ports, our team can find the best solution for even the most challenging problems.

www.p2sinc.com

PMSM/19six Architects

Founded in 1906, PMSM/19six Architects is one of the oldest architectural firms in California. From its roots in Santa Barbara, the firm has grown to serve all of California and established an enviable reputation for shaping and enriching our communities. The firm has evolved and grown, but has always remained true to the guiding principle of the practice – Dedicated to Projects that Enrich the Community. PMSM/19six has been honored to serve higher education, K-12 schools, healthcare, performing arts, and civic markets for over 100 years and looks forward to drawing from our legacy to create timeless environments for the future.

www.19sixArchitects.com

World Centric

World Centric provides certified compostable products for the foodservice industry to reduce environmental impact. By innovating in plant-based materials and design, World Centric has developed over 250 products across tableware, cutlery and food packaging. All of World Centric’s products are certified compostable and will turn to soil in commercial composting facilities. As a Certified B Corporation, World Centric upholds rigorous standards of social and environmental responsibility and donates 25% of profits to organizations addressing social and environmental issues.

www.worldcentric.com
WE HELP YOU DESIGN, BUILD, RETROFIT, AND MANAGE INTELLIGENT FACILITIES

www.johnsoncontrols.com

A full-service developer offering reliable, resilient, clean and cost-effective campus energy infrastructure solutions.

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Cornell Tech, Roosevelt Island NY

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