1. Name: Ruben Alarcon (ruben.alarcon@csuci.edu)

Academic Program: Biology (http://biology.csuci.edu/)

Brief description of research/creative activity #1: I am working with California State Beekeeping Association and the Almond Board of California to improve sustainable beekeeping methods. In particular, I am collaborating with Adee Honey Farms to identify varieties of mustards that can be grown in the Central Valley, with little to no water, as supplemental winter forage for honeybee colonies, and produce a harvestable oilseed crop with the potential as a biofuel as a byproduct.

2. Name: Simone Aloisio (simone.aloisio@csuci.edu)

Academic Program: Chemistry (http://chemistry.csuci.edu/)

Brief description of research/creative activity #1: Theoretical molecular modeling calculations are performed on substances important to the chemistry of our atmosphere. Calculations are meant to inquire at relationships between structure and energetics and the reactivity, kinetics, and photochemistry of atmospheric species. Reaction mechanisms are also studied, and related to measurements made in the laboratory and the field.

URL or publication where research information is available (if any): http://chemistry.csuci.edu/Simone_Aloisio.htm

Brief description of research/creative activity #2: Air quality monitoring. Current projects include students measuring ground level ozone in air using portable spectrometers. The goal of this project is to set up several monitoring stations with the ability to measure pollution in air at several locations. The local relationship between air quality and temperature and other weather are being investigated.

URL or publication where research information is available (if any): http://chemistry.csuci.edu/Simone_Aloisio.htm

Additional notes or information about additional research/creative activities: Another project involves students measuring heavy metal concentrations in fish samples. This is a collaborative project in progress to determine the sustainability level of seafood. For my sabbatical research, I am going to be making measurements of carbon dioxide in the atmosphere. Carbon dioxide is the most important greenhouse gas. This work is related to climate change research.

3. Name: Sean Anderson (sean.anderson@csuci.edu)

Academic Program: Environmental Science and Resource Management (http://esrm.csuci.edu/)

Brief description of research/creative activity #1: Surveys of sustainable seafood options across coastal southern California. This project uses students and an interdisciplinary array of faculty from across the campus (and increasingly at other campuses) to look at how sustainable our seafood options are in local restaurants and markets.

URL or publication where research information is available (if any):
http://faculty.csuci.edu/sean.anderson/Sean_Anderson

Brief description of research/creative activity #2: Restoration of Calleguas Creek on campus to improve wetland extent and add both to the natural and university learning environments.

Additional notes or information about additional research/creative activities: Surveys of faculty travel to calculate carbon footprint.
4. Name: Michael Blodgett (michael.blodgett@csuci.edu)

Academic Program: History (http://history.csuci.edu/)

Brief description of research/creative activity #1: Development of a Mediterranean history that will encompass not only Greek and Roman but also Semetic colonization of the Western Mediterranean and attempt to explain the emergence of the Roman Empire.

Brief description of research/creative activity #2: Research into the triangular UFO incidents of the past two decades. Research indicates that, far from being alien craft, triangular UFOs can be understood as stealth transport aircraft, probably developed as a result of a decision made in 1981 in the wake of the unsuccessful attempt to rescue Americans held in Teheran, to expand the covert infiltration capabilities of American special operations forces.

5. Name: Rainer Buschmann (rainer.buschmann@csuci.edu)

Academic Program: History (http://history.csuci.edu/)

Brief description of research/creative activity #1: Research on Pacific Ocean and its history.

URL or publication where research information is available (if any): http://summit.csuci.edu/facultyAccomplishments/facultyPage.jsp?faculty=51&selectedYear=2010

6. Name: Rachel Cartwright (rachel.cartwright@csuci.edu)

Academic Program: Biology (http://biology.csuci.edu/)

Brief description of research/creative activity #1: I run a research project looking at the behavioral ecology of humpback whales, with a focus on female-calf pairs and the impact of anthropogenic activity within their critical breeding habitat. Several CI faculty are involved in the project; Blake Gillespie (Chemistry) assists in logistics and data collection, Kristen LaBonte (Library) provides GIS support and the IRA provides funds to allow students to travel to Hawaii each year and participate in research activities there.

URL or publication where research information is available (if any): www.caringforcalves.org

Brief description of research/creative activity #2: Blake Gillespie (Chemistry) and I are working with the underwater photographers involved in the research project described above to host an art show show-casing the images and video footage compiled over the course of the project. By combining wildlife photography with science, we hope to engage audiences in a way that stimulates a wider concern and encourages viewers to consider the complex conservation issues that arise at the interface of wildlife and human activity within the marine environment.

7. Name: Angela Chapman (angela.chapman@csuci.edu)

Academic Program: Biology (http://biology.csuci.edu/)

Brief description of research/creative activity #1: Monthly monitoring project to determine shorebird population numbers in Ventura County and compare these to historic levels. This is done to enable resource managers to identify important habitat and mitigate damage from possible oil spills.

URL or publication where research information is available (if any): http://summit.csuci.edu/facultyAccomplishments/loadFacultyPage.pub?faculty=angela.chapman

8. Name: Tracylee Clarke (tracylee.clarke@csuci.edu)

Academic Program: Communication (http://communication.csuci.edu/)
Brief description of research/creative activity #1: This research examines discourse from members of the Skull Valley Goshute Native American tribe about the nuclear waste proposal and tribal controversy. Building from Kinsella’s “bounded constitutive” theoretical model of communication, I argue the environment (material) is more than a context where Goshute culture and policy development (symbolic) plays out. Rather, environment, culture and policy mutually define each other, and the material environment constrains Goshute culture. Instead of the symbolic unilaterally influencing the material, the material responds and acts to influence the symbolic. The symbolic becomes responsible to the material and vice versa as the relationship is multi-influential and interactive creating political, cultural and environmental complexities and contradictions while fueling intra-tribal conflict.

URL or publication where research information is available (if any):
http://summit.csuci.edu/facultyAccomplishments/loadFacultyPage.pub?faculty=tracy.clarke

9. Name: Chris Cogan (christopher.cogan@csuci.edu)

Academic Program: Environmental Science and Resource Management (http://esrm.csuci.edu/)


10. Name: Cathy Contreras (kathleen.contreras@csuci.edu)

Academic Program: Education (http://education.csuci.edu/)

Brief description of research/creative activity #1: Curriculum development for educating children in elementary and middle schools about concepts related to the Channel Islands National Parks.

11. Name: Colleen Delaney-Rivera (colleen.delaney-rivera@csuci.edu)

Academic Program: Anthropology (http://anthro.csuci.edu/)

Brief description of research/creative activity #1: “Place as Political: Archaeological Views on Landscape, Ritual and Space,” with Jennifer Perry, Session Organizer, Society for American Archaeology, St. Louis, MO. April 2010.

URL or publication where research information is available (if any):

Brief description of research/creative activity #2: West meets the Middle Ground: A Comparison of Coastal and Riverine Sociopolitically Complex Societies.”

URL or publication where research information is:

12. Name: Dennis Downey (dennis.downey@csuci.edu)

Academic Program: Sociology (http://sociology.csuci.edu/)


URL or publication where research information is available (if any): http://www.pacificsoc.org/2002/06/2011-annual-meeting.html

Additional notes or information about additional research/creative activities: California Institute for Social Business - http://socialbusiness.csuci.edu/ 

13. Name: Marie Francois (marie.fransois@csuci.edu) 
Academic Program: History (http://history.csuci.edu/) 

Brief description of research/creative activity #1: Research on laundry, water use, and pollution in Mexico City in 18th and 19th century. 

URL or publication where research information is available (if any): http://summit.csuci.edu/facultyAccomplishments/facultyPage.jsp?faculty=104&selectedYear=2010 

14. Name: Scott Frisch (scott.frisch@csuci.edu) 
Academic Program: Political Science (http://polsci.csuci.edu/) 

Brief description of research/creative activity #1: Policy issues related to use of public lands. 

URL or publication where research information is available (if any): http://summit.csuci.edu/facultyAccomplishments/loadFacultyPage.pub?faculty=scott.frisch 

15. Name: Matt Furmanski (matthew.furmanski@csuci.edu) 
Academic Program: Art (http://art.csuci.edu/) 

Brief description of research/creative activity #1: Use of recycled materials used in sculpture. I have several projects that use recycled pallets as material for building sculpture as well as sculptural furniture. We also use “found” objects frequently in creating sculptures. I would go as far as sighting the use of “built but unused or abandon” space in the creation of exhibition or installation space. My own research often uses recycled aerospace or military surplus, a kind of “swords into plowshares” philosophy. 

URL or publication where research information is available (if any): http://www.matthewfurmanski.com/ 

16. Name: Jeanne Grier (jeanne.grier@csuci.edu) 
Academic Program: Education (http://education.csuci.edu/) 

Brief description of research/creative activity #1: Informal Science education focusing on restoration projects in partnership with National Parks and local schools. 

URL or publication where research information is available (if any): http://summit.csuci.edu/facultyAccomplishments/loadFacultyPage.pub?faculty=jeanne.grier 

17. Name: Andrea Grove (andrea.grove@csuci.edu) 
Academic Program: Political Science (http://polsci.csuci.edu/) 

Brief description of research/creative activity #1: California Institute for Social Business.
18. Name: Phil Hampton (philip.hampton@csuci.edu)

**Academic Program:** Chemistry ([http://chemistry.csuci.edu/](http://chemistry.csuci.edu/))

**Brief description of research/creative activity #1:** Researching the development of new laboratory experiments for the organic chemistry laboratory which generate substantially less chemical waste than traditional experiments. One experiment (unpublished) involves the use of solvent-free conditions and a polymeric catalyst to catalyze a chemical reaction used in the first semester organic chemistry laboratory. At the end of the reaction, the catalyst can be filtered away from the reaction product. The traditional experiment utilized strong acid and solvent extractions and generated 50x the chemical waste of the new experiment. A second experiment was introduced in the second semester organic chemistry laboratory which performs a chemical reaction in water instead of in an organic solvent. Both experiments adhere to the Green Chemistry principles developed by the Environmental Protection Agency.

**URL or publication where research information is available (if any):**
[http://summit.csuci.edu/facultyAccomplishments/loadFacultyPage.pub?faculty=philip.hampton](http://summit.csuci.edu/facultyAccomplishments/loadFacultyPage.pub?faculty=philip.hampton)

19. Name: Thomas Hughes (thomas.hughes@csuci.edu)

**Academic Program:** Political Science ([http://polsci.csuci.edu/](http://polsci.csuci.edu/))

**Brief description of research/creative activity #1:** Research into our use of the concept of political obligation and related concepts.

20. Name: Kathryn Leonard (kathryn.leonard@csuci.edu)

**Academic Program:** Mathematics ([http://math.csuci.edu/](http://math.csuci.edu/))

**Brief description of research/creative activity #1:** Research students are building the visual system for a robot that will automatically pick strawberries. This will remove human workers from the toxic pesticide cloud around strawberry fields, and provide for more stable employment for the workers in the form of maintenance of robots rather than field labor. Additionally, automation of harvesting will allow farmers to profit from farming, reducing incentives to sell their land to property developers and maintaining US-based food production.

21. Name: Catie Mihalopoulos (catie.mihalopoulos@csuci.edu)

**Academic Program:** Art ([http://art.csuci.edu/](http://art.csuci.edu/))

**Brief description of research/creative activity #1:** My work [for the past 2 years] is focused around the Mt. Sinai area, at Egypt. My goal is to get a team of scholars and architects, as well as geologists, in order to augment the structures, as well as the entire geographical location that is under the guidance of St. Catherine's Monastery at Mt. Sinai. The monastery is known for its dependencies throughout the near eastern world, as well as the EU and Russia. By taking corrective, long-term actions, the monastery will able to continue to work with the underprivileged children in the area, as well as the dependencies mentioned herein. Moreover, by creating an environment through which the monks can teach (books for the children) more Bedouin children will able to get work in the area. I am still in the planning process and His Eminence Damianos has appointed me and Archimandrites Apostolos to lead this great effort.

**Brief description of research/creative activity #2:** I am planning to finish the restoration of a two hundred year old home at modern day Agistri, in Greece in order to create a Museum that incorporates items from antiquity to Modernity. It is a long process and we are awaiting a fund from EU in order to start work this summer/2011.
22. Name: Brad Monsma (brad.monsma@csuci.edu)

Academic Program: English (http://english.csuci.edu/)


URL or publication where research information is available (if any):
http://summit.csuci.edu/facultyAccomplishments/loadFacultyPage.pub?faculty=brad.monsma


23. Name: Steve Norris (steven.norris@csuci.edu)

Academic Program: Biology (http://biology.csuci.edu/)

Brief description of research/creative activity #1: Research on fish and ocean conditions.

URL or publication where research information is available (if any):
http://summit.csuci.edu/facultyAccomplishments/loadFacultyPage.pub?faculty=steven.norris

24. Name: Ed Nuhfer (ed.nuhfer@csuci.edu)

Academic Program: Faculty Development (http://facultydevelopment.csuci.edu/)

Brief description of research/creative activity #1: A Whole New Mindset: Environmental Sustainability in the Curriculum - Presentation at POD Annual Meeting with Cal Poly Pomona's Dr. Victoria Bhavsar.

URL or publication where research information is available (if any):
http://www.podnetwork.org/conferences/2010/index.htm

Brief description of research/creative activity #2: This was actually an honor, at University of Wisconsin at Platteville where I was invited back as a presenter and Marshal at the 2010 Homecoming, which celebrated the 30th anniversary of the interdisciplinary program in Reclamation. I helped to launch the program and then directed it for its first ten years. Reclamation had most of the components of sustainability, except we founded it in 1981, when few academics were thinking about such things. Few interdisciplinary environmental programs survive for 30 years.

URL or publication where research information is:
http://alumni.uwplatt.edu/events/event_details.asp?id=120475

Additional notes or information about additional research/creative activities:

25. Name: Ron Reiger (cole.rieger743@myci.csuci.edu)

Academic Program: Computer Science (http://compsci.csuci.edu/)

Brief description of research/creative activity #1: In order to preserve agriculture in California, costs must be reduced. The application of robotics promises to reduce the unskilled labor, water, and chemical usage, simplify pest control,
and is more hygienic, among other features. The current investigation focuses on determining the current viability of this approach; i.e., to what level can it be applied today and in the near future, and what will be its real impact. This is an implementation investigation.

**Brief description of research/creative activity #2:** Intelligent Homes for the Elderly - With an increasing ratio of elderly to caregivers, increasing medical costs, a strong desire for the elderly to remain in their homes as long as possible, both for social and economic reasons, can we create an "intelligent" home environment that meets these and similar needs such as safety, security, life simplification, environmental optimization, and off-site caregiver over-site. Again the current investigation determines the overall impact of this approach for the elderly, especially dementia and Alzheimer households, but also all households. This is also is an implementation investigation.

**Additional notes or information about additional research/creative activities:** A key part of this work is to involve students as part of the research/investigations. I am currently counting on students in the Robotics Minor, recently put forward but not yet official, to support much of this.

**Additional notes or information about additional research/creative activities:** Agricultural Robotics - not official program, though part of grant.

26. **Name:** Don Rodriguez ([donald.rodriguez@csuci.edu](mailto:donald.rodriguez@csuci.edu))

**Academic Program:** Environmental Science and Resource Management ([http://esrm.csuci.edu/](http://esrm.csuci.edu/))

**Brief description of research/creative activity #1:** Shorebird Monitoring Project – monthly monitoring project to determine shorebird population numbers in Ventura County and compare these to historic levels. This is done to enable resource managers to identify important habitat and mitigate damage from possible oil spills.

**URL or publication where research information is:** [http://esrm.csuci.edu/research.htm](http://esrm.csuci.edu/research.htm)

**Brief description of research/creative activity #2:** Anacapa Island Restoration Project – project to restore native vegetation to Anacapa Island by removing iceplant and replacing it with native vegetation.

**URL or publication where research information is:** [http://esrm.csuci.edu/research.htm](http://esrm.csuci.edu/research.htm)

**Additional notes or information about additional research/creative activities:** Social Business and Environmental Obligations – book chapter relating the environmental obligations associated with sound social business best practices. Long Grade Creek Restoration and Interpretation Project – a riparian restoration project that will restore important habitat along Long Grade Creek (adjacent to campus) and create an interpretive trail that explains campus effort to students of all ages and to the greater community.

27. **Name:** Dan Wakelee ([dan.wakelee@csuci.edu](mailto:dan.wakelee@csuci.edu))

**Academic Program:** Political Science ([http://polsci.csuci.edu/](http://polsci.csuci.edu/))

**Brief description of research/creative activity #1:** Policy issues related to use of public lands.

**URL or publication where research information is:** [http://summit.csuci.edu/facultyAccomplishments/loadFacultyPage.pub?faculty=daniel.wakelee](http://summit.csuci.edu/facultyAccomplishments/loadFacultyPage.pub?faculty=daniel.wakelee)