

**Woods Institute for the Environment, Stanford University**  
**Mel Lane Student Program Grants**  
**2008-09**

<b>Title</b>	<b>Student Group</b>	<b>Description</b>	<b>Contact</b>
<b><i>Clean Technology Expo</i></b>	GSB Energy Club; Energy Crossroads	Building upon relationships with Venture Capital Community, the forum provides students with an opportunity to meet and get to know clean tech companies. The event is also a chance for students to "showcase" their technology expertise with potential employers.	Annie Hazelhurst, Ryan Rogers
<b><i>Environmental Justice Interdisciplinary Discussion Forum and Keynote for Green Fest 2009</i></b>	Students for a Sustainable Stanford (SSS)	The grant supported a keynote panel during Earth Week with Majora Carter, a famed social and environmental justice advocate who lectures on "Greening the Ghetto." Ms. Carter spoke on "Greening the Ghetto" and the implications of holistic approaches to global problems and the power of collaborative solutions. Students for a Sustainable Stanford (SSS); Students Taking on Poverty (STOP); Students Promoting Ethnic and Cultural Kinship (SPEACK); Energy Crossroads; the Stanford Chapter of the NAACP are cosponsoring the lecture, which was followed by a panel discussion and Q & A session.	Zhe Zhang, David Geeter II
<b><i>Spring Symposium: Climate Change and Marine Systems: Managing for Resiliency</i></b>	Stanford Journal of Law, Science & Policy; co-sponsored by Student Collaborations for Ocean Research and Education (SCORE)	The spring symposium, April 10, 2009 at the Stanford Law School, brought together academics, lawyers, business people, and government and non-profit leaders to focus on the increasing challenges of managing the marine environment in the context of climate change. Senator Sheldon Whitehouse (D-RI) gave the keynote, and panels on marine renewable energy, marine protected areas, and fisheries have been developed by E-IPER, Biology, Law, and Engineering students. In conjunction with the symposium, held an author's workshop on April 11 to develop a set of policy recommendations along the lines of the scientific consensus statement on marine ecosystem based management produced by COMPASS. We will communicate symposium results broadly by publishing panelists' articles and the consensus statement online in the Stanford Journal of Law Science, and Policy. The journal itself is staffed by Law, Immunology, Chemistry, Neuroscience, Biology, and E-IPER students.	Margaret Peloso, Malin Pinsky
<b><i>Green Living Symposium</i></b>	Green Living Council	The symposium showcased sustainable behavior change interventions designed and implemented by peer coordinators in their residences over the past year. Posters were displayed of 15 student interventions in the areas of energy and water conservation, sustainable food choices, and recycling/waste reduction. The intent was to bridge between students, faculty, and staff in academic and operational departments across campus. In the fall term PEDS 199-53 course taught by Professor Tom Robinson, School of Medicine, presented strategies drawn from psychology, sociology, marketing, health promotion and other fields to improve the effectiveness of behavior change campaigns. Workshops started in winter term and continued in spring produced additional intervention ideas.	Shila Soni

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<b><i>Sustainable Fashion Show</i></b>	Stanford Sustainable Fashion Collective	The group will held a sustainable fashion show during Earth Week, created a space for Stanford designers to experiment with materials and zero-waste construction techniques, and will sell commissioned pieces for sale on campus, possibly through the ASSU Green Store and Stanford Bookstore. The group will become a think tank and practicum for Stanford students interested in sustainable fashion design, eco-fashion culture, and efficient fabrics research and manufacturing. With each American throwing out an average of 68 pounds of clothing per year, and the use of petroleum based fabrics such as nylon and polyester, the group hopes to raise awareness and create products that become trendy on campus. They have registered as an independently registered organization by the OSA starting in April. This grant will provide sewing equipment for ongoing product development. They plan to make the fashion show an annual event.	Irys Kornbluth, Dare Turner
<b><i>Design for a Sustainable World Course and Projects</i></b>	Engineers for a Sustainable World (ESW)	A multi-year request for three years, with evaluation each year. Educating about the needs of developing communities is an integral part of the Engineers for a Sustainable World-Stanford mission. Toward that end, ESW conducts a yearly course, CEE 177S/277S: Design for a Sustainable World, which combines the themes of environmental and cultural sustainability toward engineering design projects. The course and associated projects involve four phases: 1) Course Planning and Workshops; 2) Spring Break Assessment Trips; 3) Spring Course Logistics; and 4) Summer Internships. Together, these phases form a guided process that allows students from across campus to develop concepts of sustainability, practice engineering design, and participate in cultural exchange. Faculty advisors are Professor Boehm and Professor Deierlein. Specific projects include: ecological sanitation in Tepoztlan and Oaxaca, Mexico; and Tsunami-resistant Design in Padang, Indonesia and West Sumatra.	Milena Gonzalez Vasquez
<b><i>Real-Time Energy Monitoring Pilot in Storey House</i></b>	Stanford Green Campus Program	The Stanford Green Campus Program seeks funding to engage a real-time energy monitoring and feedback project. This proposal will address the costs and benefits of implementing a pilot program, in which Storey House, the Human Biology academic theme house, will be outfitted with real-time energy monitoring and feedback systems. Residents and administrators will be able to see the up-to-date electricity consumption of each house on an online "building dashboard," which provides a graphical and educational user interface. This proposal will also discuss the potential working relationship with Lucid Design Group, the designer of the building dashboard software.	John duPont

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<b>China's Environment Series</b>	Green Living Council	This four-part speaker series planned for Winter Quarter highlighted China's deteriorating environment and explored opportunities for both countries to marshal clean energy technologies, international accords, and NGOs/the media to promote common prosperity, while preserving the natural environment. Speakers included: Leonard Ortolano, Stanford; David Victor, Stanford; Stephanie Ohshita, University of San Francisco; Zhang jingjing, Center for Legal Assistance to Pollution Victims and Yale World Fellow; Daniela Salaverry, Pacific Environment; Peggy Liu, Joint US-China Cooperation on Clean Energy; Steve Schneider, Stanford University; and Mark Jacobson, Stanford University. Partnerships: Students for a Sustainable Stanford (SSS), Forum for American/Chinese Exchange at Stanford (FACES), Stanford Cantonese Association	Kevin Hsu
<b>Stanford Scientific Magazine</b>	Stanford Scientific Magazine	Stanford Scientific Magazine (SSM) hopes to foster a deeper understanding and appreciation of the extraordinary scientific advancements that happen right at home, in the laboratories and classrooms of Stanford University. Due to the recent expansion suggested by the magazine's faculty advisory board, SSM sought additional funding which will be applied to cover printing costs of additional copies for each of the three issues this year	Zach Nevin, Sharmini Pitter
<b>Biodiesel Workshop</b>	Engineers for a Sustainable World	In the workshop, about 50 undergraduate and graduate students learned how to make biodiesel from waste vegetable oil collected from the dining halls. The participants received lab safety directions, background information about biodiesel, and instructions on how to carry out the experiment; they proceeded with the experiment with the close guidance of ESW officers. The procedure is quite simple; the oil is mixed with right amount of lye, the mixture is heated and blended for 15 minutes before dehydrating it in one of our officers' small refinery plant located on campus.	Milena Gonzalez Vasquez
<b>2009 conference on International Development: Food and Agriculture</b>	Stanford Association for International Development (SAID)--cosponsors: Stanford GSB-International Development, Engineers for a Sustainable World	One-day conference on Food and Agriculture featured panels on environment, international economics, ethics, and food and technology. The conference featured a keynote address by Dr. Gurdev Khush, a prominent figure in the agricultural Green Revolution of Asia who pioneered genetic modifications to rice, and a demonstration expo featuring innovative companies and their proposed solutions to the food crisis.	Varun Sivaram