

Engineering for the Developing World Seminar Series.



“Sustainable Technologies in Action”

Engineers Without Borders at UCSB

2.00 – 3.00 pm, Tuesday 20th May , 2008
Room 2053, Materials Research Laboratory

Abstract:

Engineers Without Borders (EWB)-USA strives to improve the quality of life for underserved communities through the implementation of environmentally, economically, culturally, and socially sustainable engineering projects, while developing internationally responsible students from different disciplines. EWB-USA projects involve the design and construction of water, waste-water, sanitation, energy, food production, and shelter systems. These projects are initiated by, and completed with, contributions from the host community, which is trained to operate the systems without external assistance to ensure that projects are appropriate and self-sustaining. The projects are conducted by groups of students under the supervision of faculty and professional engineers. By involving students in every step of the EWB-USA process, the program maximizes their learning and awareness of the social, economic, environmental, political, ethical, and cultural impacts of engineering projects.

In this presentation, EWB-UCSB members will share lessons learned from working with communities over the past five years; their current projects in Peru, Mali, and Kenya; and how you can get involved.

About Engineers Without Borders at UCSB:

The Engineers Without Borders chapter at University of California, Santa Barbara (EWB-UCSB) is a student-operated organization founded in October 2003. Our growing membership is open to all, and currently includes students, staff, faculty, and off-campus collaborators. Our students come from backgrounds such as engineering, geography, anthropology, physics, and environmental science and management. EWB-UCSB is managed by volunteers, allowing all donations to go directly to travel, equipment, and the supplies required for each project. EWB-UCSB has received several awards for its Peru project including the *2008 EWB-USA Community Education Award*, *2007 EWB-USA Project of the Year Award*, and *2006 EWB-USA Sustainable Legacy Award*.



Host: Professor Roy Smith (roy@ece.ucsb.edu)

The Engineering for the Developing World Seminar Series is sponsored by the International Center for Materials Research and the UCSB College of Engineering.