



A positive force for change: *Innovative collaborations*

Dan Mastbergen, doctoral student in mechanical engineering, accompanied Joshi and Hudnut on recent trips to test the stoves in India and Nepal. As a graduate student in the College of Engineering's Engines and Energy Conversion Laboratory, Mastbergen helped develop the technology for a cleaner-burning cookstove that generates electricity. Mastbergen says he better understood challenges facing the developing world during a trip to India, where he went from vendor to vendor hunting for parts for the stove. "Parts would be hanging from strings from the ceiling, and hardware would be in coffee cans," Mastbergen says. "Many of the shops are just three walls with a garage door that opens into the street. There's tons of commotion – cars, tricycles, bikes, buses, cows, horses, camels. It's really crowded. Just (he e)-(x)1(p)-5(e)1(rien)-6(c)-7(e)1( of)-5( goi)-6(ng)-5( the)-6(rs)-3e,

**Energy Clinic: Women, Energy Conservation  
and Environmental Protection**

K.M. Dharesan Unnithan, Director, Energy  
Management Centre;

**The University of Dayton Engineers in**



technical service-learning immersions are believed to have the biggest impact on the attitudes and

student placements. The ETHOS administration

that they make during their two-month internship.  
Ecofogão provides guidance to the students,





## Upcoming Events...





fuel (biofuel) through improved understanding of its economics in Africa. In addition, recommendations to overcome the technological and non-technological hurdles to market penetration of biofuels are discussed. The full abstract of this article is available free of charge at <http://www.sciencedirect.com/>.

**Energy indicators for tracking sustainability in developing countries**

**Household CO and PM measured as part of  
the review of China's National Improved  
Stove Program**

Edwards RD, Liu Y, He G, Yin Z, Sinton J, Peabody  
J, Smith KR

This paper is available at -