

## HUMAN POWERED VEHICLE

Sponsored by: ME Department, ASME (Student Competition)

[http://www.asme.org/events/competitions/human-powered-vehicle-challenge-\(hpvc\)](http://www.asme.org/events/competitions/human-powered-vehicle-challenge-(hpvc))

HPVs (Human Powered Vehicles) are faired vehicles powered by human engines, which are designed for high performance in speed, endurance, and/or utility. MSU has competed in the ASME Human Powered Vehicle Challenge for the last several years, and has produced innovative and competitive designs each year. MSU -Bozeman hosted the annual ASME Human Powered Vehicle Challenge in spring 2011, and the home-street advantage paid off with a first-place position! See the trophy collection in the M&IE office.

Many exciting opportunities exist this year to improve further on prior outstanding successes. Technical areas the team will address include: dynamics, machine and ultra-lightweight structural design, materials, human factors, and aerodynamics. Other special requirements include:

- Students with interest and experience in mountain or road bicycling are especially welcome to participate
- Some fundraising will be required
- Some physical training will be required

