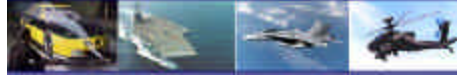


# Human Powered Land Vehicle Project



DEPARTMENT OF AEROSPACE ENGINEERING



The ODU HPLV team is currently in need of several students to undertake Phase Two of the project. Phase Two involves the design and construction of an aerodynamic fairing, training, and competing with other schools in May 2005. Visit [www.asme.org/hpv](http://www.asme.org/hpv) for competition details. The team currently has a roadworthy vehicle that will be used as the basis for the Phase Two design team. The vehicle is setup for taller riders and at least one female rider is needed for competition. Project work will include wind tunnel testing of the streamlined fairing. New students can use the project as their senior design project or possibly as thesis work. However, these are not requirements and anyone willing to devote some time may join the team.

We are looking for students with skills and/or interests in:

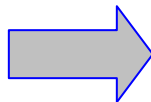
- Aerodynamics (especially ground vehicles)
- Composite materials technology
- Computational Fluid Dynamics
- Cycling (as an athlete and/or mechanic)

Contact Dr. Drew Landman at [dlandman@odu.edu](mailto:dlandman@odu.edu) or Jason Moore at [jmoor024@odu.edu](mailto:jmoor024@odu.edu) for more information.

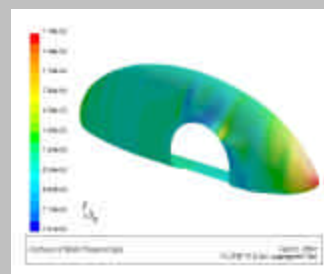
## Phase one



Roadworthy Vehicle  
Completed



## Phase TWO



Wind Tunnel and  
CFD Testing

Fairing Construction  
and Competition