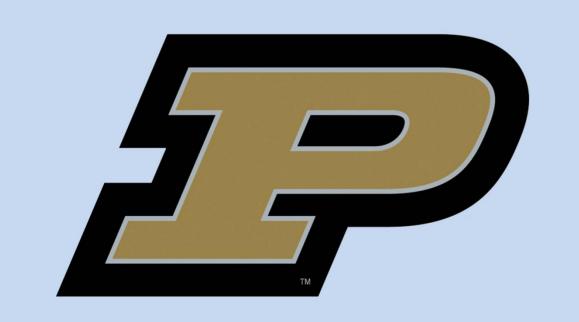


## Long Range Vehicle Control



**Team Members:** Jason Holmes, Matthew Guenette, Michael Piercy, Kin Chin Chua, Scott Stack, Chris Romanoff **Advisors:** Mark Johnson, Matthew Swabey, James Krogmeier

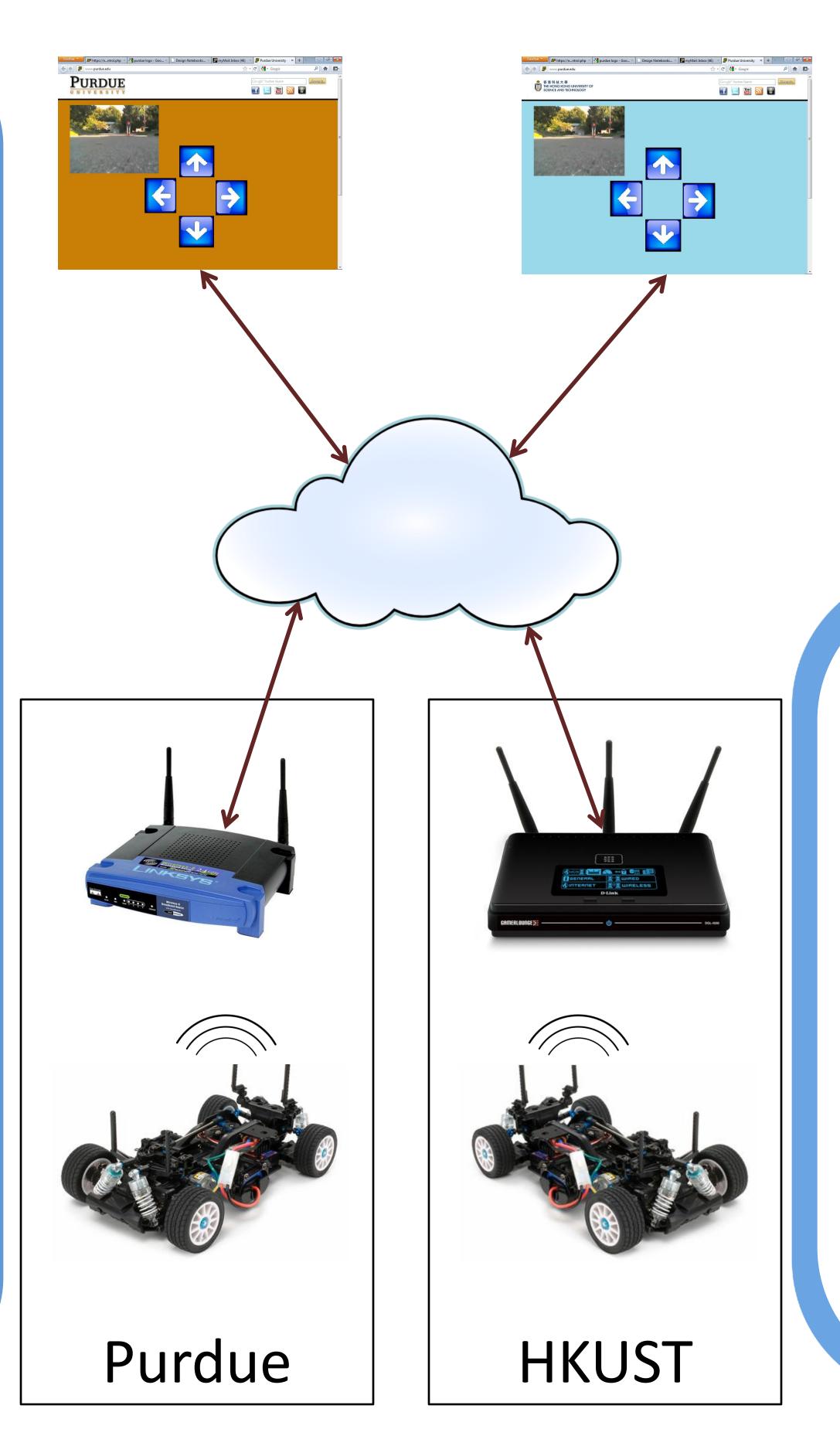
## Objective

Design a remote control vehicle system through collaboration with a team at the Hong Kong University of Science and Technology (HKUST).

## **Current Tasks**

- •Each team is creating an independent version of both the vehicle and the control system that are designed to be compatible with the other team's implementations.
- •Detailed features, functionality, and protocols are being negotiated between the HKUST and PU team.
- •We communicate through email, Rhea, and video conferencing to discuss new ideas and confirm design decisions.

Four members of our team will continue on to implement this design as a part of our senior design project in the Spring 2012 semester.



## Implementation

The design centers around an ARM processor which will communicate wirelessly to the internet through a wireless transceiver (802.11b/g).

Each team will create a website capable of controlling their vehicle and the vehicle of the other team. A camera on each vehicle will feed video to the controlling website during operation.

