

Wireless Senior Design Fall 2006

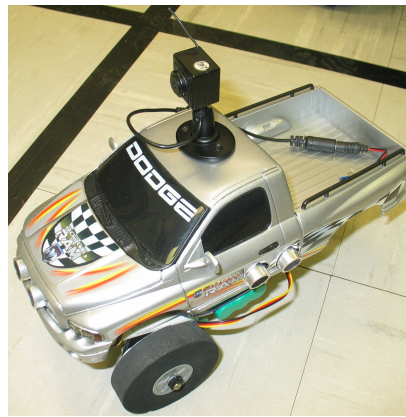
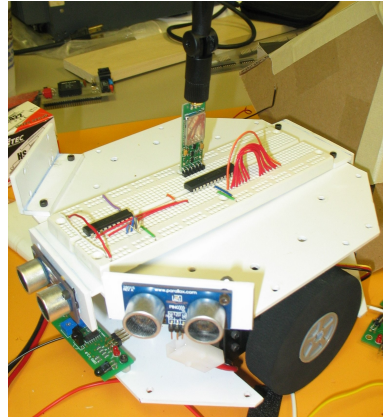
Cooperative Robotics

Mission: One robot will detect an orange cone and inform the other robot of its location, which will then travel to that location.

Two Teams:

Blimp Team: 7 Students
One Blimp
One Ground Vehicle

Car Team: 8 Students
One Scout Vehicle
One Command Vehicle



Wireless Communications:

2.4 GHz FHSS 9.6kbps Bluetooth (<100m)

1GHz Built-in Analog Camera Transmitter (100m)

2.4GHz Built-in Analog Camera Transmitter (150m)

900MHz Blimp Controls Transmitter (50m)

