

Unmanned Ground Vehicle
Group # 3

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Introduction

- Rudolf Erasmus
 - Electronic Engineering Technology Diploma from Okanagan College
 - 4th year Electrical Engineering Student
 - Designed, built and tested two small robots



About Us

- Kazu Arai
 - Mechatronics and Robotics Diploma from BCIT
 - 4th year Computer Engineering Student
 - Member of AUVic (Autonomous Submarine Team)
 - President of UVic AERO (Unmanned Aerial Vehicle Team)



About Us

- Unmanned Ground Vehicle for the Unmanned Systems Canada's Student Competition
 - Fire Safety
 - Finding Fire Breaks

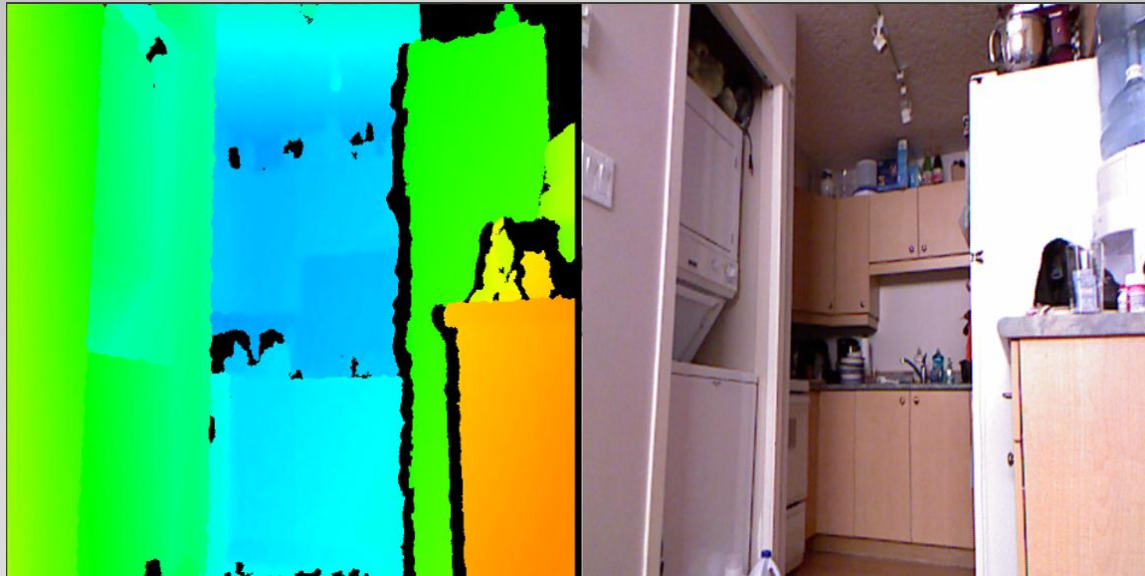


Our Project

- To start a UGV Team at UVic
 - 399 for Research
 - 499 to Build and Test
- Requirements
 - Size and Weight
 - Simulation before being allowed to compete

Our Project

- Have decided on many of the components
- Running vision software and simulation software
- Overall plan for the Robot Build

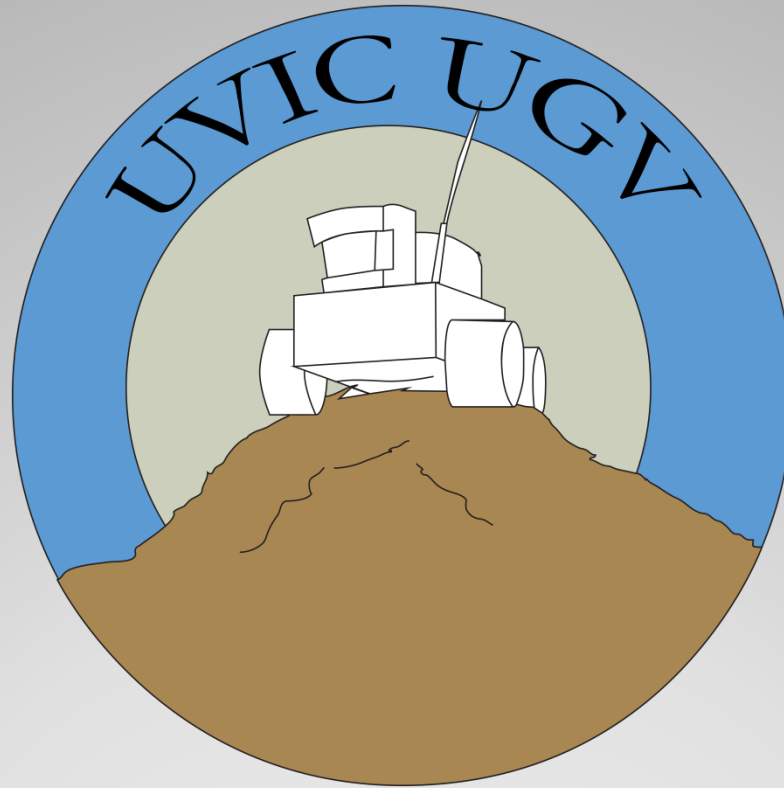


Current Progress

- Kinect Controller
- Ardupilot for sensors
- Laptop w/ Ubuntu for controller
- MobileRobots Pioneer Series Robot base



Major Components List



Questions?