

Group: May13-08

Report Scope: 3/18 to 3/25

Advisor: Daji Qiao

Client: Lockheed Martin

Accomplished 3/18 to 3/25:

1. Main logic coding
2. Scheduled VEISHEA demo

Plan 3/25 to 4/1:

1. Begin poster
2. Continue main logic coding
3. Meet with advisor on 3/29

Individual accomplishments:

Doug: compiled and installed OpenCV. Wrote and tested a program to detect multiple colors. Translated the matlab search algorithm to c.

Matt H: combined existing arduino libraries into one. Added functions to control sensors, servos, and motor. Wrote a function to drive straight using the compass for corrections.

Matt K: Verified BATMAN functionality between netbook and a laptop. Resolved driver issues with pandaboard WiLAN device.

Zach: built revision 2 of the robot. Wrote the search algorithm in matlab. Redesigned the arduino shield.