Assignment 3

Out: Tuesday, 29 January 2013
Due: Tuesday, 5 February 2013 at the start of class

Overview:

This assignment introduces you to the robot design that we submitted to NASA that resulted in our selection for the RASC-AL Robo-Ops Competition.

Reading:

Read the attached design proposal that was submitted.

To Turn In:

Write answers to the following questions, either handwritten or typed (If handwritten, please be sure it’s legible. If typed, be sure to print it out to turn in during class.)

1. What were the top two challenges for this year’s competition that you identified in Assignment 1? (Just a very quick description, as I’ll be grading this assignment after the first assignment is returned.)

2. How are those two challenges addressed (or not) in the design proposal?

3. How would you have addressed the challenge(s) differently?

4. Do you see anything else in the proposal that you would change?

5. What part of the robot system would you most want to work on? Answers could include chassis, arm, gripper, networking, user interface, computer vision, and autonomous behaviors. Why do you want to work on this area (or these areas)?