Weekly report

An Nguyen

2017-02-01

1 Plan for this week

- Fly the hexacopter with the logger attached
- Find analytical model for hexacopter/quadcopter or other multicopters

1.1 Swarmathon

- Reinstall Linux on lab's laptop, try my best to get NVIDIA card driver installed

1.2 Lab Management

- We might need a chemist scale for what Jarrett is doing. I'll pick one out
- Pick out some more PLA plastic to stock up
- Figure out a scheme to manage the 2 printers with Dr. Mayerich
- We finally went through one roll of nylon for the Markforged. I'm wondering if we should get another one.

2 Done this week

2.1 Research

The hexacopter is ready to fly. I just haven't had time to fly it yet.
Updated the seismic paper repository. I now have a pretty solid grasp of LaTeX and BibTex.

2.2 Swarmathon

Still no words on key requests.

The Sr. Design team is progressing well, they've installed Linux on some of their machines, some on usb sticks. They've also started reading the ROS tutorial.

We've basically given up on updating graphics driver for the lab's laptop. Daniel will start working on the claw next I think.

2.3 Lab Management

Updating firmware on 3D printer.

3 Plan for next week

3.1 Research

- Finish hexacopter landing gear
- Fly hexacopter with landing gear
- Fly hexacopter with logger
- Find hexacopter analytical model

3.2 Swarmathon

- Follow up on travel request

3.3 Lab Management

- Put in work order for lab door
- Update 3D printer firmware
- Put a notice so people leave contact information for their 3D print
- Reorganize some more

4 What Dr. Becker need to do

Saurabh's have requested to do some work for the lab. The criteria are:

- Small enough that he can spend 3-5 hours a week on it. This is my personal assessment of his available time.
- Possibly not require too much time on campus/in the lab. Project isn't physically so big that it's hard for him to carry it to the lab.

I think something in term of software would be appropriate, maybe working more on the swarmcontrol.net games.