

Minutes 1/16/12

Meeting ran from 6:00-7:50 PM in the Senior Design Center

Attendees:

- Bradley Ling
- Brad Olan
- Jaclyn Bastardi
- Sabine Loebner
- Robert Hughes
- Bill Nowak

Meeting started with discussing a few design options

1. SQUIGGLE MOTORS
 - a. Doesn't meet resolution (500 nm)
 - b. Meets max travel (20 mm)
 - c. Low max load
 - d. Expensive
2. Was added to Pugh chart for manipulator. Determined we will not be using them
3. Diaphragm Cylinders
 - a. Easier to machine
 - b. Spring rate issues negligible
4. Added to Pugh matrix for actuator and pump
 - a. Determined we will use syringes for pump
 - b. And Diaphragm for actuator
5. Review slides proposed by Brad L.
 - a. Reorderd some and made some additions and subtractions
6. Developed a rough preliminary Budget
7. Assigned slides to different team members to prepare for SDR
8. Discussed prereading material
 - a. Determined to send out Agenda – BL to prepare
 - b. Include 1 page summary – BL to prepare
 - c. RH to send out formal invites by Tuesday night

Meeting ended at 7:50 PM