

The Solar Sailors

Meeting Minutes 4/14/2021

Attendance:

Adriana Oliveira (Team Member)

Lukas Vermeulen (Team Member)

Brady Jerome (Team Member)

Nickolas Borek (Team Member)

Steve Szablya (Client)

Meeting Log:

- Meeting Started at 7:38 PM
- Did the SEL testing Saturday 10th
 - Ran into a few technical issues, but got what we needed from the testing
 - Found how our sensor responds to a set wavelength
 - Also tested six of our sensors at one time with varying resistor values
- PCB printing is free through U of I
- 3-wire design (Cable wire to power our design)
 - Lukas found wire for \$0.29 per foot
 - Also has a few other choices
- Wall plug and adapters would also work
- Sensor-to-sensor data has a 13% error between them
 - At a set resistor value for all of them
 - Two of our sensors were outliers
 - With one being too high, and one being 0
 - They were most likely set up wrong or had wrong resistor values
- Have a problem with resolution on our changing bits
 - Not a lot to be done with this
 - Brainstormed a few options
 - Test a rail-to-rail OpAmp
 - Talked about taking physical data with a multimeter
- KW4H presentation
 - Meet on every other presentation
 - Currently on the 29th at 7 PM
 - About a 20-minute time slot
- Video for Dr. Li
 - 2-4 minutes
- Presentation for IEEE student group
 - May or may not attend this presentation

- Need to make sure it does not conflict with any points of interest
- Team dinner postponed
- Expo on the 29th and 30th
 - Should find out about our allotted times soon
- Meeting Ended at 8:17 PM