

## WEEKLY STATUS REPORT

**DATE: 3/27/16 – 4/2/16**

What I did this week:

- Completed Weekly Status Report
- Researched how to build a GUI using Python
- Prepared second update presentation for Dr. Perkowski and graduate students
- Continued analyzing data from last week's current sensor testing
  - Amplitude of current spikes do not increase with increased current setting but frequency of current spikes do increase
  - Increasing/Decreasing wire feed does not affect frequency of current spikes

Any issues I encountered:

- Initial goals included adjustment of wire feed speed based on current spike spacing, since wire feed speed does not correlate with increased frequency of current spikes the direction of project will need to be reevaluated since these goals can no longer be met.

What I will be working on next:

- Continuing researching how to build a GUI in Python
- Present data to Dr. Marek

Notes:

None