

Advisors: Mani Mina, John Pritchard **Client:** Minnetronix

Members (roles): Brandon McDonnell (Group Lead); Justin Long (Web Master), Timothy Dee (Key Concepts)

Project: Remotely Connected Electric Field Generator for Particle Separation in a Fluid

Weekly Summary

We began further testing of the amplifier test circuit that we have designed. We had to order new programmable gain amplifiers because the original ones we had did not give us the gains we needed. The new PGA's should give us more precise steps when increasing the voltage. Now we need to see if we can get a fully working amplifier circuit so that we can begin simulation and PCB work. We also met with George this week to discuss our project.

Weekly Notes

Met with George and Mani, have meeting with Adam next Monday

Pending Issues

Figure out if MOSFET's work with our circuit as switches to increase or decrease voltage by large steps

Plans For Next Week

Continue working on simulation of the circuit to further test our design

Continued testing of actual components

Individual Contributions

Total Contributions

Brandon McDonnell	8hrs	60hrs
Tim Dee	8hrs	63hrs
Justin Long	10hrs	47hrs