

## **EE 492 WEEKLY REPORT 8**

**Date: 10/21/2016**

Group number: DEC1619

Project title: Drive Circuitry for Ultrasound Brain Simulator

Client &/Advisor: Dr. Bigelow

Team Members/Role: Zechariah Pettit – Team Webmaster, Honghao Liu – Key Concept Holder, Miguel Mondragon – Team Leader and Communications

### **✓ Weekly Summary (Short summary about what you did this week)**

TI Launchpad programming continues. Some research into populating PCB and soldering lessons. Meeting with Dr. Bigelow shortened but regarding small questions for TI Launchpad programming and documentation questions.

### **✓ Past week accomplishments (please describe as what was done, by whom, when)**

- ❖ Tom is continuing to work on creating functional results for the TI Launchpad and testing the limits of computational ability to create multiple outputs simultaneously.
- ❖ Miguel and Zech are awaiting PCB orders but during the wait time are working on documentation work, testing plan design, and extraneous research.
- ❖ Meeting with Dr. Bigelow 10/20/2016 to discuss some questions regarding preferred documentation wording and TI Launchpad programming.

### **✓ Pending issues (if applicable)**

- ❖ Testing plan needs to be further expanded upon.
- ❖ Rework of documentation and project slides has begun.
- ❖ Second Professor meeting will arrive sometime soon.
- ❖ Preparations for soldering of initial PCB will begin soon.

✓ **Individual contributions**

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Honghao Liu	TI Launchpad Programming, Group Meeting	4	29
Miguel Mondragon	Analog Filter Design Work, Group Meeting, Administrative Tasks	3	31
Zechariah Pettit	Amplifier Circuit Design Work, Group Meeting, Website Design Work	3	27

✓ **Comments and extended discussion**

None.

✓ **Plan for coming week (please describe as what, who, when)**

- ❖ Meeting with Dr. Bigelow on 10/27/2016 cancelled due to scheduling conflict.
- ❖ Zech will performing additional research in case of failure of amplifier PCB.
- ❖ Miguel will be working on project documentation.
- ❖ Tom will be working on programming of TI Launchpad.
- ❖ Zech and Miguel will be working on preparing for soldering of PCB.