EE 491 Weekly Report (Group 22) October 20 -- October 27 Week 8 (10/20/14-10/27/14)

Advisors: *Timothy A Bigelow* **Client:**

Members (roles): Aaron Tainter (Programming Lead), Weikun Han (Documents), Haoyu Wang (Presentations), Jingyu Xie (Scheduler)

Project Title:

Programming ultrasound functional brain imaging system

Weekly Summary

During this week, we held one meeting with our advisor. During the meeting, we discussed scheduling and individual requirements for the following weeks in order to be sucessful with our project. Specific tasks were assigned to group members in order to prepare for when we finally receive the hardware.

We also worked individually on other components of the project. These include: PCB test board development, configuration of NI 5752 cards, initialization of I/O on the labview system, and reading the NI hardware documentation.

Meeting notes:

10/12 Group Meeting with Advisor

Duration: *1 hours* **Members Present: Aaron Tainter, Weikun Han, Haoyu Wang**

Purpose and Goals:
Our weekly meeting with Professor Bigelow

Achievements:
We talked about issues that need to be solved in the next few weeks while we are still waiting on NI hardware. Conflicts with software on the NI system were finally solved and Aaron was tasked with the initial configuration of NI cards. Weikun was told to finish developing the test board, while Haoyu and Jinyu were told to go through NI hardware documentation so that we have information about the parts when we receive them.

Pending issues

1. Finish PCB board

2. Finish website
3. Configure NI cards with labVIEW program
4. Develop a simple I/O program to test them.

Plans for next week

1. Continue website development. (Aaron)
2. Configure NI system and Develop I/O program. (Aaron)
3. Begin working on developing PCB. (Weikun Han)
4. Go through NI hardware documentation. (Haoyu Wang, Jingyu Xie)

Individual Contributions(this week)

1. Aaron Tainter(meeting with Bigelow - 1hr, website work - 1.5 hr, contacting NI support 1hr, configuring NI cards/dev work 3hrs)