

## **EE 492 Weekly Report #3**

**Date:** 02/09/2014

**Group Project:** Garmin - Energy Harvesting in Fitness Electronics

**Website:** <http://seniord.ece.iastate.edu/may1417/index.html>

**Project Number:** May14-17

**Client:** Adam Rasmussen

**Advisor:** Dr. Degang Chen

### **Group Members:**

- Tyler Chenhall – Project Leader & Foot-Pod Team Member
- Rebekah Dejmal – Communications & Webmaster & Foot-Pod Team Member
- Catherine Homan – Research & HR Monitor Team Member
- Allison Sapienza - Research & HR Monitor Team Member
- Omer Vejzovic – Research & Foot-Pod Team Member
- Jeramie Vens - Research & HR Monitor Team Member

### **Accomplishments in the Past Week**

- Held a meeting with Dr. Chen & Adam
- Last Monday, our group had the first informal meeting with Professor Amariuca (EE492 instructor), introducing him to our project goals and prototype designs
- The mechanical board is fully operating, but the power output is a bit low
- Various parts of the thermo board have been verified, but the system as a whole is still being debugged
- Content is being added to the Research Document, particularly for the introductory and mechanical harvesting sections

### **Plan for the Upcoming Week**

- The thermal group will continue to work on getting their circuit fully operational
- The mechanical group will continue looking for additional ways to improve power output on the board
- More work on the Research Document
- Investigate possible methods of improving the prototype designs

### **Pending Issues**

- none

### **Individual Hours**

- Tyler – 6.1
- Rebekah – 4.5
- Catherine - 7
- Allison - 6

- Omer - 4
- Jeramie – 7.5