

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

**Project Number:** May14-17

**Client:** Adam Rasmussen

**Advisor:** Dr. Degang Chen

**Group Members:**

Tyler Chenhall – Project Leader  
Rebekah Dejmal – Communications  
Catherine Homan  
Allison Sapienza  
Omer Vejzovic  
Jeramie Vens

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

- Held our first group meeting
- Scheduled weekly group meetings for Wednesday at 6pm
- Began researching possible energy harvesting strategies
  - Focusing on Piezoelectric, Peltier effect, and RF options
  - Considering power output, size, solution constraints, and which products might benefit
- Determined our new advisor (Dr. Chen)

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

- Continue researching energy harvesting strategies
- Contact & arrange a virtual meeting (video chat) with our client at Garmin
- Think about website design ideas

### **Pending Issues**

- Dr. Chen is unavailable for meetings until the week of 09/16

### **Individual Contributions**

- Piezoelectric research: Tyler & Omer
- Peltier effect research: Allison & Jeramie
- RF research: Rebekah & Catherine
- Rebekah also contacted our original advisor
- Jeramie arranged to have Dr. Chen as our new advisor
- Tyler took meeting notes & wrote up the weekly report

## **Individual Hourly Contributions**

- Tyler – 3.5 hours
- Rebekah – 2 hours
- Catherine – 1 hour
- Allison – 3 hours
- Omer – 2.5 hours
- Jeramie – 3.5 hours