

## *Minutes*

*October 19, 2017*

### Old Business:

- met with Forest Concepts

### New Business:

- Six sensors instead of five per shaft
- Fix housing/magnet for housing
- $(\epsilon_1 T_1^4)/(\epsilon_2 T_2^4)=1$  This is the equation we will use in Lab View to calibrate for emissivity changes
- Mega Arduino
- Get another sensor

### Tasks:

- Anthony Ponzini get arduino working with the labview and IR Sensor 10/22/17
- Order Mega Arduino and IR Sensor Jake Miller

## *Minutes*

*October 2, 2017*

### Old Business

- N/A

### New Business

- Created Portfolio will hand in October 3
- Talked about next meeting with Forest Concepts

### Action Items

- Jake and Aziz will create a 3d housing for the sensor by October 10
- Feifan and Anthony will set up the sensor with Arduino to readout temperature by October 10
- Agenda and Minutes of next meeting Thursday October 5<sup>th</sup> Anthony

## *Minutes*

*October 26, 2017*

### Old Business

- Possible equation for emissivity change
- Ordered mega Arduino
- Ordered a second sensor

### New Business

- Possibly switch to thermocouple at end of product or just add it to the sensor design
- Meet on Monday to work on portfolio
- Meet sometime next week to work on coding

### Tasks

- Research Biomaterial Tony Ponzini
- Integrate LabView/Arduino Jake Miller/Tony Ponzini
- Research Arduino Thermocouples Aziz Abdulaziz