

# *EE/CprE/SE 492 Weekly Report 15*      *MAY1622*

*Date* (2/2/16-2/8/16)

Advisors:      Daji Qiao  
Client:        Halil Ceylan  
Co-Advisor:   Christofer Sheafe ()

Members (roles):  
    Shen Fu (Team Leader)  
    Matt Rose (Team Communication Leader)  
    Qichen Yan (Team Webmaster)  
    Darnell Melvin (Team Key Concept Holder)

*Project Title: Wireless Embedded Roadway Health Monitoring Network*

## **Meeting notes**

Thursday 2/4: Decided on parts for RF array

Monday 2/8: Status meeting, need to order transceiver for base station which operates at 490 MHz.

## *2/8/2016 Group Meeting with Advisers*

Duration: 1 Hour

Members Present: *ALL*

Purpose and Goals:

Caught up with advisers and re-evaluated our schedule.

## **Weekly Summary**

This week we worked on getting parts ordered. On Monday 2/8 we met with the Civil Department and Dr. Halil Ceylan, gave a status update, and asked questions on how best to expose the sensor to the humidity of the concrete without frying the rest of the circuitry. We also received the SHT71 sensor and evaluation kit which we plan to use to test our readings.

## **Pending issues**

None

## **Plans for next week**

Next week we plan to have the PCB layout finished so that we can send it in. We plan to solder the MCU to the breakout board to start testing it with the sensor we received from the civil department.

## **Budget**

N/A

## **Next Meeting**

2/11/2016 2:00 PM, Coover Senior Design Lab

## **Hourly Contributions**

Team (together): 5 hours

Matt: 4 hours

Shen: 4 hours

Qichen: 4 hours

Darnell: 4 hours