

# *EE/CprE/SE 491 Weekly Report*     *MAY1622 Week VII*

*Date* (10/14/15-10/20/15)

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*

## **Meeting notes**

10/16

- The team needs to document their research in choosing circuit components
  - make a table with columns for key aspects of parts
- Summarize list of parts chosen in a table
- Present a package for Daji with hardware elements, software environments, and debugging tools
- Look for a cheaper ARM JTAG debugger (<\$295)
  - Olimex LTD ARM-USB-TINY H
- Ask Lee about hardware prices and whether he can find a better deal
- Download Code Composer Studio
- **Provide documentation and data to back our decisions**

10/19

- Still need to find a new flash chip
- Next meeting, we plan to write design document.

## *10/16/2015 Group Meeting with Advisors*

Duration: 1 Hour

Members Present: *All*

Purpose and Goals:

The team presented its choice in MCU to Daji, the CC1310. We did not have a table comparing the different chips we looked at, and are tasked with putting such a table together to present next time. Daji pointed out that our research was too informal and we needed to have more documentation.

## **Weekly Summary**

Our team got deeper into choosing parts, and found a cheaper debugger. Our plan is to finalize our parts list to present to Daji on Friday and order parts based on their approval.

## **Pending issues**

None

## **Plans for next week**

Next week we would like to have the parts so that we can start testing them and potentially writing software.

## **Budget**

Need to purchase a chip from TI, as well as the evaluation board and debugger.

## **Next Meeting**

10/20/2015 2:00 PM, Coover Senior Design Lab