EE 491 Weekly Report
MAY15-29   Week 12 (11/17/14-11/23/14)

Advisors: Meng Lu   **Client:**

Members (roles): Wenbing Ma（coding）, Jiangxiang Zhang, Xuan Zhang (Webmaster) , Zhikai Cui (Leader), Chenyin Liu(sample holder design)

Project Title: A high resolution two-dimensional ultrasonic detector using plasmonic crystals

Weekly Summary: Members did well job in the past week.

Meeting notes:

11/22   Group Meeting with Advisor

Duration: *60min*   **Members Present:** *All*

Purpose and Goals:

1.   Check the equipment we have set up can be use to get the light, which can only get in Iphone 4.

Achievements:

1.   We have already get the light point, which is similar to lazor point. The point can only be got via iphone 4. We are very glad that the point is very clear. We think there is no prolem for the setup part, thus the equipment can work very well.

Pending issues

1. DAQ has not yet arrived.

Plans for next week

Wenbing Ma & Zhikai Cui

-    Write code to enable motorized stage to function in snake routine.

-    Write code for data acquision to get, save and plot the data

Jiangxiang Zhang

-    Finish the optical setup for the whole project and pack it up

Xuan Zhang & Chenyin Liu

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Individual Contributions (this week)

- Wenbing Ma attended the meeting(1hr), Write code for data acquision to get, save and plot the data (12hr)

- Jingxiang Zhang attended the meeting(1hr), set up the equipment before testing(7hrs).finished the testing of laser diode and the measurement of the parameter (wavelength)(1hrs).

- Xuan Zhang attended the meeting.(1hr) set up the equipment before testing(7hrs). Go to ask lee how to change the position of acoustic prob(4 hrs)

- Chenyin Liu attended the meeting.(1hr), set up the equipment before testing(7hrs). Go to ask lee how to change the position of acoustic prob(4 hrs)

- Zhikai Cui attended the meeting.(1hr), Write code for DAQ receiveing program with Wenbing Ma(5hr).

Total contributions for the project

Wenbing Ma (13 hr)

Jingxiang Zhang (9hr)

Xuan Zhang (12 hr)

Zhikai Cui (6hr)

Chenyin Liu (12hr)