California State University San Bernardino
School of Computer Science and Engineering

CSE 595 Independent Study Presentation

<u>Date</u>

June 15, 2016

<u>Time</u>

4:30 pm

<u>Place</u>

JB-359

<u>Title</u>

Independent Study Presentation

<u>Student</u>

JinYong Doh

<u>Advisor</u>

Dr. Qingquan Sun

<u>Abstract</u>

Since the importance of wireless networking is getting higher, I have studied wireless networking under Dr. Sun for Spring 2016 quarter. In a wireless networking system, once the sensors has been programmed, it is usually spreaded. Due to this reason, it is difficult to install another program into each sensors and it is inefficient to program each sensors individually. If we could program the sensor motes wirelessly, we could save time and effort to get to the sensors and maintain it easily. Therefore, I have focused on programming the sensor motes wirelessly by using TinyOS and mica sensor motes.

During the study, I was able to program the sensors wirelessly, and learned how to develop embedded programs and a network system with motes. Also, I have gained some experience with designing hardware systems.