

WIE experience in Sendai, Japan in summer 2016

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Sato Laboratory, in Tohoku University in Sendai studies electromagnetic techniques applied to monitor the environmental changes and to develop the resources and engineering techniques of subsurface imaging. It is our pleasure that we can work at such international and professional laboratory.

We worked as student trainees at Sato Laboratory for 9 weeks. Both of us are from LSGI of PolyU, and were assigned to complete several tasks during these 9 weeks. As the laboratory

introduced a new equipment – GSSI Ground Penetrating Radar which we have learnt in PolyU, we gave a short and brief tutorial to the colleagues. The second task is that we need to study different frequency spectra from different center frequency RAMAC MALA antenna by using Matlab. Therefore, we learnt how to use the more advanced Matlab programming technique.



We have learnt a lot about the fundamental written skills, as well as the practical use of the technology. In order to carry out the experiment, we understand the theory behind so that we could have a best planning for the experiment. These



experiences have greatly consolidated our previous study in PolyU.

Moreover, we are so lucky to meet so many friends in Sendai coming from different countries, we love to share own culture. We have lots of outings, such as visiting the famous landmark, Mount Zao. It is a wonderful experience to us.

After these 9 weeks' overseas internship, we surely achieved our internship goals and were more motivated to be more active and independent. We understand more about the traditional Japanese culture and meet many new friends. We believed that Sato Lab can achieve better research goal continuously and develop well in the future. It is our valuable milestone and unforgettable memory in our life.

