PIA & MRSS 2019 Travel Grant Receiver Report

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I am currently a Ph.D. candidate within the Department of Geomatics at National Cheng Kung University in Taiwan. It is my honor to attend Photogrammetric Image Analysis & Munich Remote Sensing Symposium that was held at the Technical University of Munich from 18-20 September 2019. The travel grant is from The ISPRS Foundation (TIF). This travel grant makes me attend the conference covering the registration fee and other expenses. This conference is one of the best conferences I have ever attended. The organizers of this conference really put in a great effort in every aspect. In this conference, my contribution is "INS-Aided 3D LiDAR Seamless Mapping in Challenging Environment for Future High Definition Map". The following are my experiences during this conference.

The welcome and opening ceremony was on the first day, the chair described the detail of this conference which makes us have more understanding about it. The next speaker is Dr. Daniel Cremers which gave the visual-SLAM development of his research. It is astonishing how Dr. Cremers implemented such many robust algorithms and how current remote sensing sensors can achieve in future autonomous driving. In particular, my research is about the multi-sensor fusion, and so far I only utilize the LiDAR integrated with INS/GNSS. This speech gives me light and more ideas to cooperate with visual sensors into my future research.

In addition, I learn a lot about the current deep learning applications in remote sensing filed. As mentioned earlier, my research is all about how to improve the position and orientation accuracy. This conference makes me think outside the box that how I can also use the remote sensing data with deep learning to further expand the ability for autonomous driving.

It is worth mentioning that the conference also provides the short oral presentation for posters to give a short introduction of their work which is very good for every attendee to understand more. Besides, it also gives the presenters of the posters to practice how to introduce the key points of their work within 3 minutes briefly.

I very appreciate the TIF and the organizers of PIA&MRSS to let me experience such a great conference and give me the chance to travel around Munich.