

成果報告書: American Geophysical Union (AGU) Fall Meeting 2015

San Francisco 14 - 18 December 2015

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I attended the full AGU meeting. I tried to attend as many talks as possible from the Tectonophysics and Geodesy sessions, since I was interested in knowing the latest scientific advances made in the topics. However, since the 15 minutes talks are too short to truly understand the full content of their research, I spent a greater amount of time visiting the poster presentations for the same sessions, where I had the chance to talk with the presenters for a longer time and get a better understanding of the work that is being done in the topic. I found interesting posters about crustal structures in Central Japan revealed after the Tohoku-Oki earthquake as well as those discussing strain accumulation and aseismic slip implications, which represents important knowledge that I can use in my research. I found several multidisciplinary studies, which reaffirmed the importance of having a focus interest, but a broader understanding of it.

On the afternoon of December 17th I had a poster presentation at the Tectonophysics session (T43C-3027). The title of my presentation was “*Persistent Aseismic Deformation in Central Japan Revealed by GPS Observation Before and After the 2011 Tohoku-Oki Earthquake*”. I stood next to my poster from 1:20 to 6pm. I had an interesting discussion with over ten researchers. Interested participants would usually let me explain the full poster to them and then ask question, however, as time was limited, some people just begin with the questions. As I was trying to establish the existence of inelastic deformation in Central Japan, most of the question focused on the assumptions we employ to classify or separate the data, as some people did not agree that it was possible to use the crustal deformation pattern change caused by the Tohoku-Oki earthquake to evaluate the far field deformation in terms of

inelasticity. However, after discussing for a while we achieved a common understanding of the problem and the results of our research were well perceived. To be certain about the way my presentation was seen and in order to improve my presentation skills, I signed for the Outstanding Student Paper award (OSPA) at the conference which scores will be released on January 2016.

I visited the workshop for early career advices and engaged in discussions with young researchers, since I am interested in establishing working networks. Although at this stage, the talks were very short, I had the opportunity to talk with people from different countries such as Ireland, Germany, Mexico, USA and Colombia. I realized the way people manage data and conduct research in different countries varies and the research topics vary greatly (Earthquake forecasting, Hydraulic Fracturing, Crustal deformation, etc).

Additionally, on December 19th, I joint a trip with my professor Sagiya and other students from Nagoya University, to see the San Andreas Fault zone at the Point Reyes National Seashore Park for study purpose. There, we took the Earthquake Trail and discussed facts about the fault zone and the 1906 Earthquake.