

105 年01 月 04 日

報告人姓名	Haekal Azief Haridhi	服務機構及職稱	TIGP-ESS and National Central University
出國時間	104年 12月 13 日 至 104年 12月 21 日		
會議名稱	(中文)美國地球物理聯合秋季大會 (英文) AGU Fall Meeting 2015		
發表論文 題目	(中文) 從印尼蘇門答臘的震測資料分析沿印澳板塊的南北向破裂帶的影響 (英文) Impact of The N - S Fracture Zone Along The Indo-Australia Plate Analyzed from Local Seismic Data In The Western Offshore of Sumatra, Indonesia		

報告內容：

一、出國目的

The AGU Fall Meeting 2015 was held in San Francisco, California, USA. The conference last for a week, started from December 14 - 18, 2015. The AGU fall meeting is the largest Earth and space science meeting in the world. With nearly 24, 000 attendees, the meeting present as the best place to present our research; to know information about the latest discoveries, trends and challenges in the field; and network to make connection that could be benefit for my career.

In the first day, the participant must collect their badges and meeting book at the registration desk. In the meeting book, it is described about the meeting schedule (date and session time (A.M. or P.M.)), session information (oral, poster and cosponsored), field (topic) and index for the presenting author.

We arrived at San Francisco from Taiwan in December 13, 2015. We stay at the Argonaut Hotel, 495 Jefferson Street at Hyde. We spend six nights and seven days, starting from December 13 - 18, as we depart from San Francisco to Taiwan, we lost one day and one night (December, 20). At December 14, 2015, we went to AGU as the starting date of the conference, and for registration to attend the meeting.

Gutowski W J (H331-1738)	Halder S (A33M-0405)	Han S (T21A-2785)	Hargitai H I (EP51A-0900)
Gutscher M (T13B-3005)	Hale J M (SM31D-2541)	Han S (H33L-02)	Hari K (ED43A-0864)
Gutynska O (SM41E-2546)	Hale R L (B34C-07, H13D-1570)	Han S (S33D-2812)	Haridhi H A (T54A-08)
Guyant E (H51U-08)	Hale R P (EP34B-02)	Han W (IN41B-1696)	Harig C (G31A-1105)
Guyard H (NH23B-1875)	Halekas J S (P21A-2049)	Han X (H33B-1583)	Hariharan A (MR13B-2705)
Guzewich S (P22A-01, P23B-2128)	Halem M (IN51B-1813)	Han Y (A51B-0017)	Harishidayat D (EP13A-0923)
	Halevy I (B24A-08)		

Figure 1. Index for the presenting author. Red box indicates the session for participant presentation.

As it is shown in Fig. 1, the presenting author could be traced from the index, and the detail session it is shown in Fig. 2. The book is very handy, as well as the AGU fall meeting provide the website search and mobile app.

Based on the available information, the participant experiences a convenience meeting. As the meeting progress, the participant selects the interested talk, poster and presentation for the rest of the meeting based on the interested field of study. The meeting also, held an exhibition of related organization or company to the Earth and space science.

Section	Session	Time	Room	A	H	R	C	EP	SI	SC	SP	ST	TA	TE	TR	TS	TT	U	V	W	X	Y	Z	
Planetary Sciences	P54A Exploring the Kuiper Belt: New Horizons Reaches the Pluto System II	4:30 PM	Mission West 3002																					
	T54A Asteroid Dynamics, Earthquake Geology, and Surface Processes in South and East Asia V	4:00 PM	Mission South 304																					

Figure 2. Session detail for the T54A session (red box)

二、出國過程

12/13 Depart from Taoyuan (TPE), arrived at San Francisco (SFO), stay at Argonaut Hotel.

12/14-18 Main session attend:

1. Subduction across scales I and II (Oral and Poster sessions)
2. Plate motion, continental deformation and interseismic strain accumulation I (Oral and Poster sessions)
3. Conventional and enhanced geothermal systems: characterization, integration, stimulation and induced seismicity II, where Prof. Chao Shing Lee presented his poster.
4. Seismic modeling and inversion: theory and methodological developments III (Oral and Poster sessions)
5. General Contribution in Seismology III (Oral and Posters session)
6. Theoretical and practical advancements on seismic interferometry and ambient noise IV (Poster session)
7. Submit the power point for oral presentation at the speaker ready room.
8. Active tectonics, earthquake geology and surface processes in South and East Asia III, IV and V (Where I presented my oral presentation)

12/19-21 Depart from San Francisco (SFO), arrived at Taoyuan (TPE).

三、出國心得與建議

1. The important connections to build during the meeting are established by discussion with the representative from the Taiwan and others leading countries regarding the seismology, continental shelf, marine cable and IODP. In this regards, Ms. Wang and Ms. Liao are representative from the Ministry of Interior, Prof. Larry Mayer from the University of the New Hampshire (USA), Prof. Takeda from the Marine Cable project, Prof. Marc Andre Gutscher from University the Brest (France), Dr. Minghui Zhao, from the Chinese Academy of Science, and IODP meeting.

2. The leading university especially for the Continental Shelf project are now is the University of the New Hampshire (USA). As the future cooperation, we have been recommending to a visiting research program at that University with Prof. Larry Mayer as the leading investigator.
3. The marine cable project also gives a recent update, where we also join their meeting. Prof. Takeda said there will be a project regarding the marine cable in Indonesia in 2020 with name "INA DUNET" . This project is proposed, and collaborates with the Indonesian BPPT and the leading investigator for Indonesia is Udrek, Ph.D.
4. A possibility to have a future work also suggested by Prof. Marc Andre Gutscher from University the Brest (France), as the SUMENTA single channel reflection data need to be analyzed in future.
5. The investigation of the seismicity at the South China Sea will be in collaboration with Dr. Minghui Zhao, from the Chinese Academy of Science. In this effort, we will together use the Antelope earthquake program for processing earthquake data along this region.
6. The IODP town hall meeting, deliberates the important drilling program in next couple of year, and an announcement of open proposal for a proposed site to be drill are open. In 2016, there will be an IODP drilling program at the Eastern Indian Ocean near to Sumatra Island Indonesia.
7. Nugroho Hananto, PhD presented a new acquired bathymetric data along the Sumatra subduction zone. The discussion is about to collaborate both data and bring a detailed result regarding the ocean floor, trench and subduction seismicity along the Sumatra region.
8. After the presentation, we have an opportunity to discuss with Prof. Kerry Sieh from Nanyang Technological University, Singapore, Earth Observatory Singapore. Fortunately, we are in the same session as he is, and have this opportunity to discuss about the result of our work.

四、攜回資料名稱及內容

1. 2015 AGU meeting agenda and exhibition manual

五、其他

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六、圖片

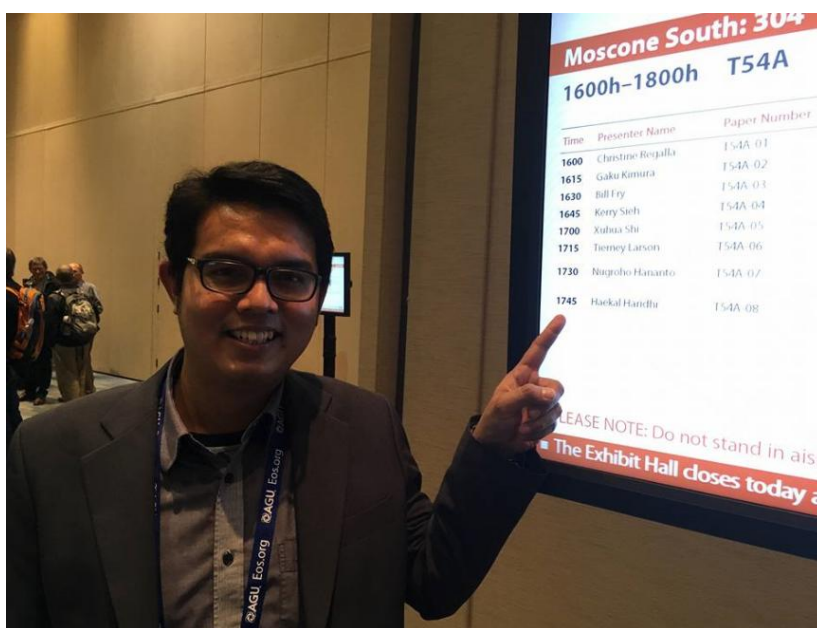


Figure 3. Presenting author in T54A session