

International Joint Workshop on Slow-to-Fast Earthquakes 2023

^{1,2}Adnan Barkat

¹Earth and Environmental Sciences Programme, The Chinese University of Hong Kong, Hong Kong

²Centre for Earthquake Studies, National Centre for Physics, Islamabad, Pakistan

Foremost, I would like to greatly acknowledge support from the Science of Slow-to-Fast Earthquakes Project to provide me the opportunity to attend the International Joint Workshop on Slow-to-Fast Earthquakes 2023 on Sep.13-15, 2023 in Tokyo, Japan. This event provides an excellent platform and environment for young scholars to interact and learn from the world's leading experts about cutting-edge research on the science of slow and fast earthquakes. In particular, I am deeply motivated by the keynote speaker (Ross STEIN) talk on the Central shutdown and the surrounding activation of aftershocks from mega-thrust earthquake stress transfer. In addition, the poster session was very interactive, and many young scholars presented excellent work. Besides science, the event was organized in an excellent and professional manner, including an interactive session with a focus on contemporary challenges for young researchers and development countries to preparedness for earthquake hazards. Lastly, I am very thankful to Nami Tonegawa for her assistance regarding the accommodation and other official requirement. Together, the whole team did a wonderful job in organizing such a successful event.



Fig. 1: Scenic view of Shinobazu no Ike Pond backyard of Tokyo University. A beautiful merger of science, culture and natural beauty.

On Sep 16, 2023, we conducted a field trip with the organizing team and mapped the signatures of great mega-thrust earthquakes. Likewise, the workshop field trip was very well planned with handout distribution to participants for preliminary understating of regional geology and tectonics. In particular, the explanation provided by Prof. Michael STRASSER related to the paleo-earthquakes signatures was so fascinating. Besides all these scientific and logistic things, the wonderful sunny day makes it much easier to conduct a detailed field visit. Indeed, this was a great learning experience that I truly treasure, and looking forward to joining in 2024.



Fig. 2: Field organizing team demonstrating the paleo-earthquake features identified in the field, with a wonderful background view of the Japan Sea.