

地科院補助研究生出席國際會議報告

Report of the Student Travel Grant for attending International Conference

2026年 06月 12日

報告人姓名 Name	阮氏雪欣 Thi-Tuyet-Han Nguyen	其他單位 補助情形	補助總金額： 15.000 NTD Total amount of subsidies
會議時間 Date	From <u>2026-05-24</u> (yyyy-MM-dd) To <u>2026-05-29</u> (yyyy-MM-dd)		補助項目 (Subsidy Programs): Chinese Taipei Geophysical Society (CTGS)
會議地點 Location	Makuhari Messe, Chiba, Japan		
會議名稱 Name of Conference	JpGU-AGU Joint Meeting 2026		
發表論文題目 Title of paper to be presented	Utilizing THMC Software to Simulate Groundwater Flow and Reactive Transport of Chlorinated Solvents		

一、參加會議經過(About attending the Conference)

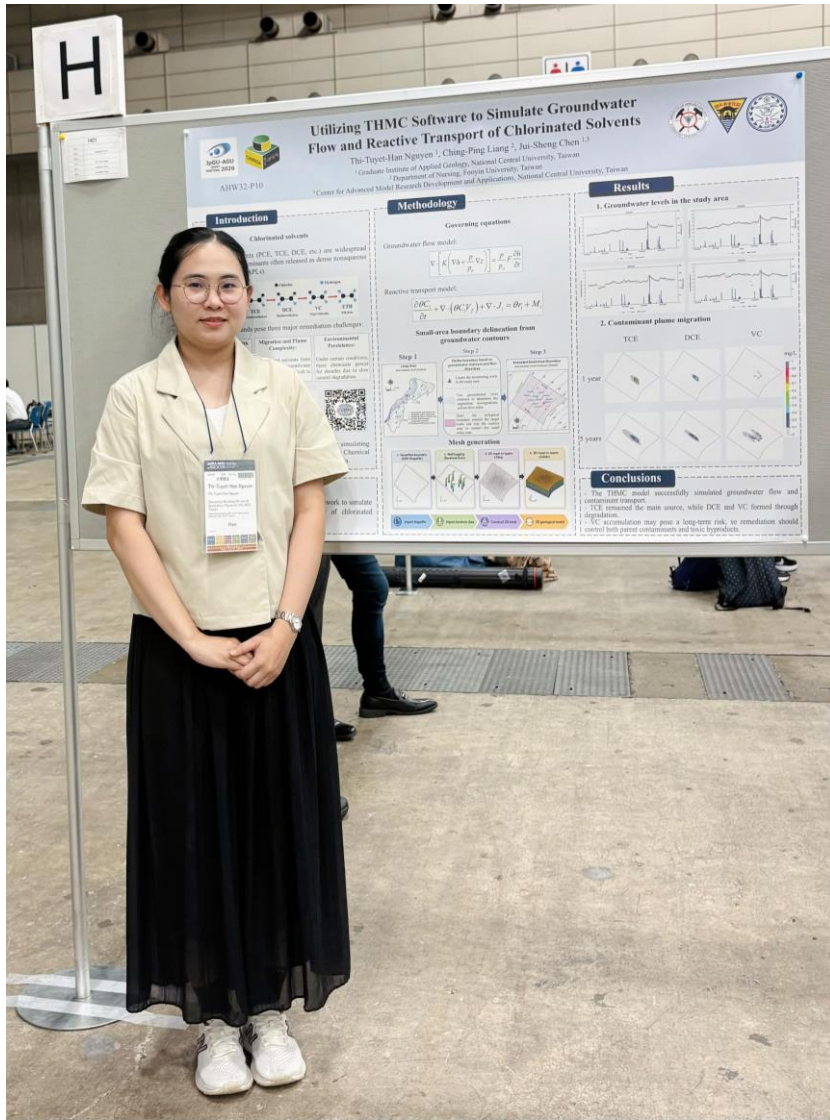
From May 24 to 29, 2026, I attended the JpGU-AGU Joint Meeting 2026 held at Makuhari Messe in Chiba, Japan. This prestigious international conference, co-organized by the Japan Geoscience Union and American Geophysical Union, convened a diverse assembly of participants from across the globe, including leading researchers, industry practitioners, and policymakers. The event serves as a critical platform for fostering interdisciplinary collaboration and disseminating cutting-edge research within the geosciences.

During the conference, I was honored to deliver a poster presentation titled “Utilizing THMC Software to Simulate Groundwater Flow and Reactive Transport of Chlorinated Solvents”, as part of the Near Surface Investigation and Modeling for Groundwater Resources Assessment and Conservation (Session ID: A-HW32). My research aligns closely with the thematic focus of the session, particularly in the domains of hydrogeology, coupled THMC (Thermal-Hydrological-Mechanical-Chemical) modeling, and sustainable groundwater management.

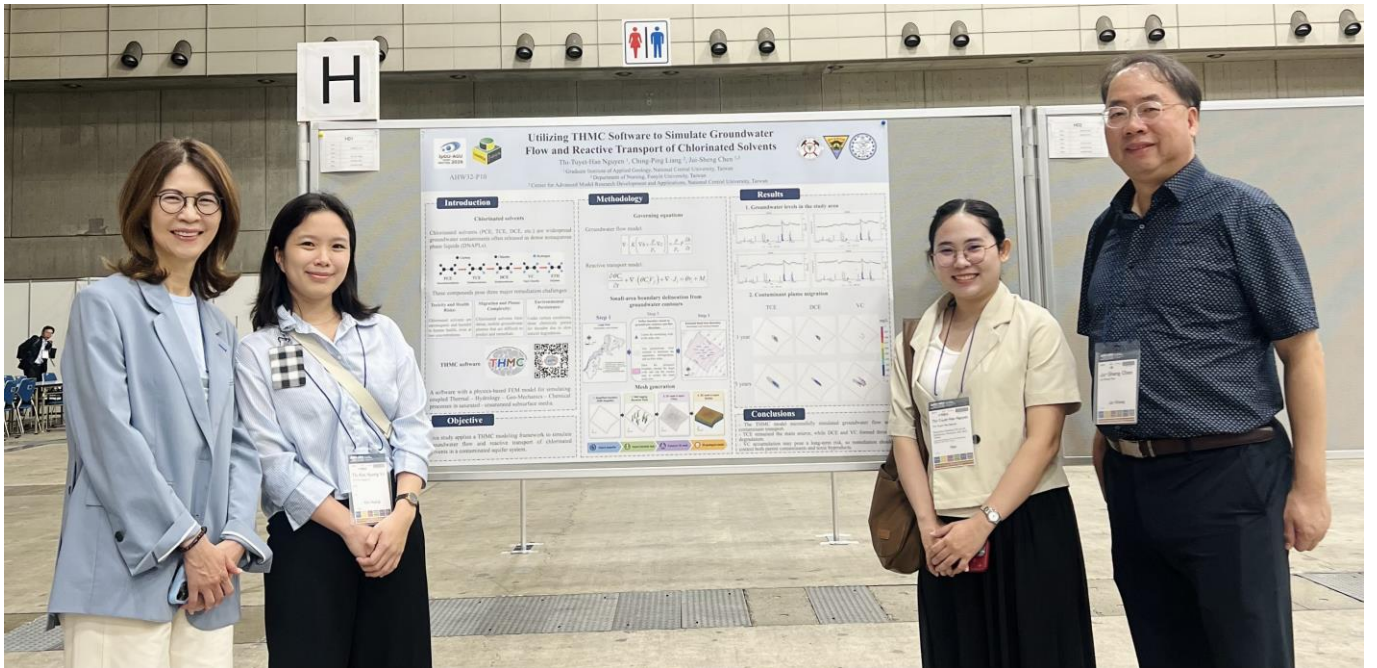
JpGU-AGU Joint Meeting 2026 featured a hybrid format, accommodating both in-person and virtual participants. The program included high-impact keynote speeches, specialized technical sessions, and poster exhibitions, providing extensive opportunities for knowledge exchange and professional engagement. I interacted with experts from academic institutions, governmental bodies, and the private sector, thereby gaining broader insights into recent advancements and emerging challenges in geoscientific research.

The reception of my presentation was overwhelmingly positive. I received valuable feedback from internationally recognized scholars, which not only affirmed the relevance of my study but also suggested avenues for methodological enhancement. Discussions initiated during and after my session offered promising prospects for future collaborative research, particularly in the application of coupled process modeling to environmental systems.

In summary, my participation in JpGU-AGU Joint Meeting 2026 proved to be a professionally enriching experience that contributed to the visibility and academic rigor of my research while fostering meaningful scientific dialogue and collaboration.



My poster with code AHW32-P10



My Poster with My Advisors and Labmate

二、與會心得(The experience of the participants)

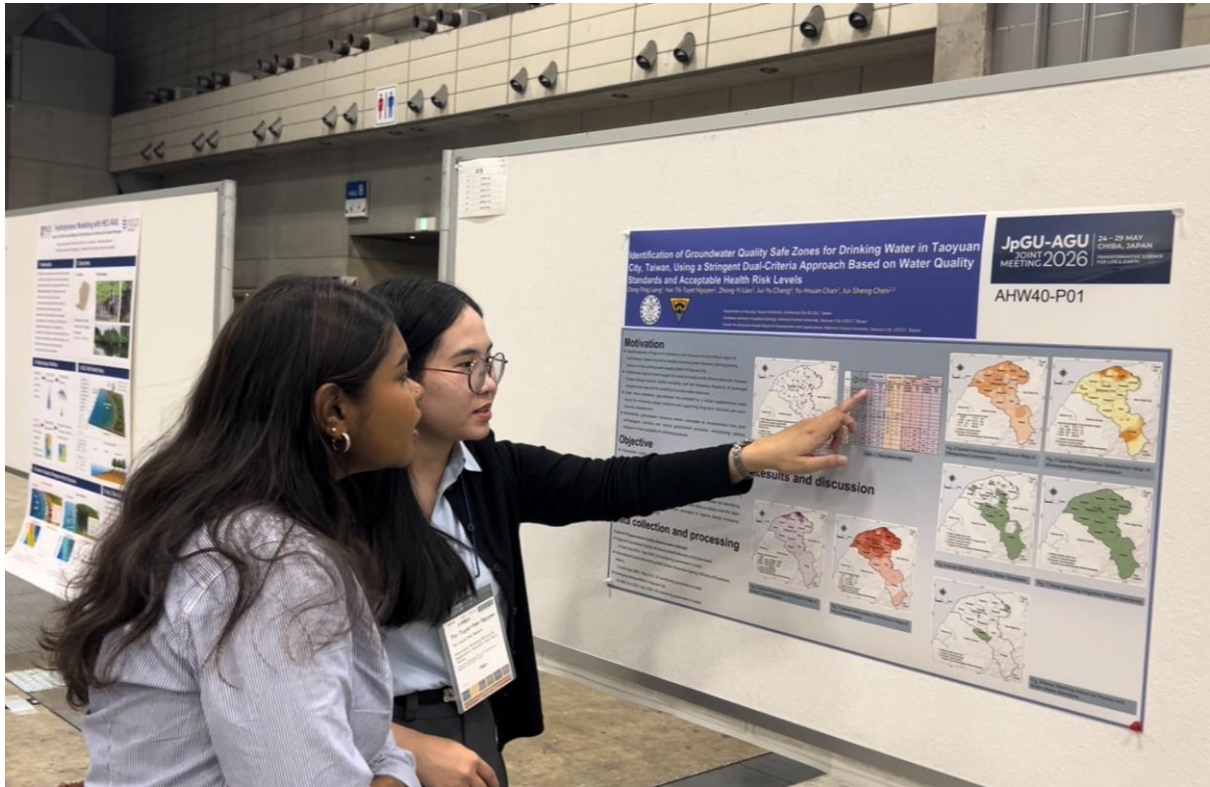
Participation in the JpGU-AGU Joint Meeting 2026 was a highly enriching academic experience, providing a dynamic and interdisciplinary environment for the exchange of geoscientific knowledge. The conference featured a diverse range of topics, including hydrogeology, environmental geophysics, climate science, and subsurface modeling, fostering a comprehensive understanding of Earth system processes and emphasizing the importance of cross-disciplinary integration.

Beyond the scientific sessions, I actively participated in events, particularly those designed for early-career researchers. These interactions facilitated meaningful discussions with peers and senior scholars, providing insights into potential collaborations and opportunities for deeper engagement within the geoscience community. The exchanges were intellectually stimulating and personally motivating, offering affirmation and momentum for the advancement of my academic pursuits.

The JpGU-AGU Joint Meeting 2026 provided an invaluable platform for academic growth, fostering both scientific inquiry and professional development. The experience enhanced my understanding of emerging research methodologies while strengthening connections within the geoscience field, paving the way for future collaborations and interdisciplinary research endeavors.



Attending Scientific Oral Sessions



Scientific Discussion and Networking

三、考察參觀活動(無是項活動者省略(Visited tour activities(no activities are omitted)

Beyond delivering my own presentation, I actively engaged in additional conference-related activities to broaden my exposure to ongoing research discussions. Notably, I supported the Center for Advanced Model Research Development and Applications at National Central University by assisting with booth duties, presenting the center's research, and facilitating discussions on the THMC and MUST software.



Booth activities at JpGU-AGU Joint Meeting 2026

Through these activities, I gained valuable experience in communicating complex research concepts to diverse audiences, including researchers, students, and professionals from different fields. In addition, discussions related to the THMC and MUST software allowed me to better understand how numerical modeling tools can be introduced, demonstrated, and applied to practical geoscience and engineering problems. These experiences strengthened my academic communication skills, enhanced my confidence in professional interaction, and provided meaningful exposure to interdisciplinary collaboration and research dissemination.

四、建議(Suggestions)

The JpGU-AGU Joint Meeting 2026 serves as an important international platform for promoting interdisciplinary collaboration and knowledge exchange in geoscience. Participation in this conference provided valuable insights and international exposure that will support my research in hydrogeology and environmental modeling.

To enhance the impact of such academic forums, continued support from funding agencies, such as the Chinese Taipei Geophysical Society, is strongly recommended. Financial assistance for early-career researchers can promote academic development, knowledge transfer, and international collaboration. Future meetings may also benefit from greater visibility of applied research and modeling sessions to strengthen the societal relevance of geoscience research.

五、其他(Other)

I sincerely thank Professor Jui-Sheng Chen for his mentorship and support in attending this conference. I also acknowledge the funding support from the Chinese Taipei Geophysical Society. This experience has inspired me to push forward in my research, expand interdisciplinary collaborations, and remain active in the global geoscientific community.