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

114 年 06 月 15 日

<table>
<tr><td>報告人姓名
Name</td><td>阮秋媛</td><td rowspan="3">其他單位
補助情形</td><td>補助總金額： 15,000 NTD
Total amount of subsidies</td></tr>
<tr><td>會議時間
Date</td><td>From 2025/05/25
To 2025/05/30</td><td rowspan="2">補助項目：
– Chinese Taipei Geophysical Society</td></tr>
<tr><td>會議地點
Location</td><td>Chiba, Japan</td></tr>
<tr><td>會議名稱
Name of Conference</td><td colspan="3">Japan Geoscience Union Meeting 2025 (JpGU)</td></tr>
<tr><td>發表論文題目
Title of paper to be presented</td><td colspan="3">Artificial neural networks for the transport of multi-member radionuclide decay chain: A computationally efficient alternative to numerical methods</td></tr>
</table>

報告內容應包括下列各項：(The report should include the following)

I had the opportunity to attend one of the largest academic events in the field of Earth Sciences, held from May 25 to May 30 in Chiba, Japan. This year's meeting welcomed more than 9,300 participants — the highest number of attendees ever recorded — creating a highly inspiring and dynamic academic atmosphere.

I departed from Taoyuan International Airport on May 23 and arrived in Japan later that evening. The official conference began on May 25, and I was honored to give my presentation that very afternoon. In the following days, I participated in numerous oral sessions delivered by researchers from various universities and institutions around the world. I also engaged in several poster sessions, particularly those related to my field of study, where I had the chance to exchange ideas, discuss methodologies, and receive valuable feedback from fellow scientists.

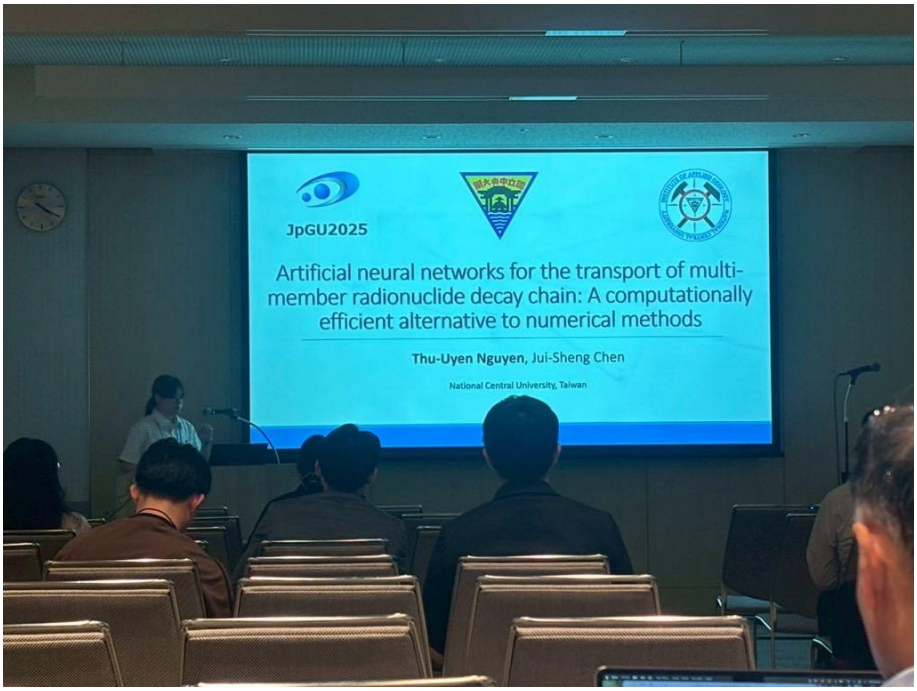
The topics I focused on during the conference included earthquake early warning systems, geothermal energy exploitation, and CO_2 storage — areas that are currently attracting significant attention in both Taiwan and Japan. I had the opportunity to connect with researchers working on similar subjects and engage in in-depth discussions that expanded my understanding of current trends and challenges in these fields. In addition, I took part in various poster and oral sessions that introduced emerging research approaches and advanced methodologies being widely explored in the academic community. These experiences not only deepened my technical knowledge but also provided valuable insights into how my own research can evolve and align with international scientific developments.

Beyond the academic enrichment, participating in JpGU 2025 offered a broader perspective on the importance and value of international academic exchange. Engaging with scientists from across Asia

provided not only a platform to present my research but also a chance to learn about cutting-edge technologies and innovations from around the region. Through conversations with scholars of diverse expertise, I identified areas for improvement in my own work and discovered new research directions and technical applications that will undoubtedly enhance the depth and scope of my future studies.

During my oral presentation, I received constructive comments and suggestions that encouraged me to reflect on the limitations of my research and explore ways to address them. The academic discussions extended beyond formal sessions; I also used informal gatherings, such as dinners and free time after the conference, to build connections and friendships with fellow researchers. These interactions may serve as the foundation for future cross-border collaborations. Overall, attending this conference has significantly broadened my academic perspective, enriched my research capabilities, and inspired me to continue pursuing high-quality research. It was a truly rewarding experience, both professionally and personally.

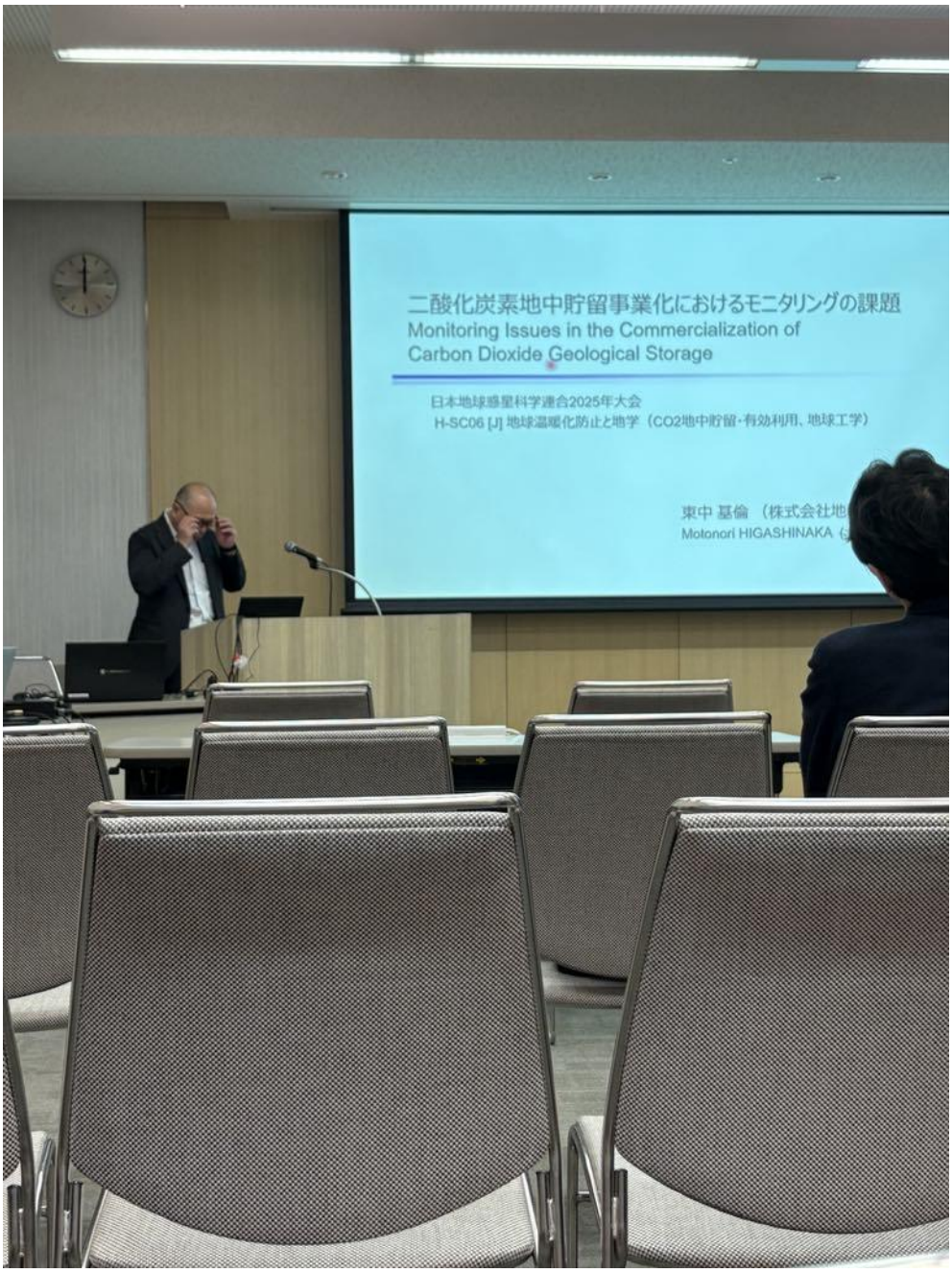
Some pictures of my conference participation:



My oral presentation is on May 25th


社会的受容を目指したCCSモニタリングにおける
小型震源装置の震源波形への音楽の利用
Utilization of Music-Based Source Functions in Compact Seismic Sources
for CCS Monitoring to Enhance Social Acceptance
松井美優
喜岡 新　坂本 和敏　辻 健
（東京大学）


Evaluating Mountain Front and
Mountain Block Recharge
using stable isotopes and
Hydrogeological Groundwater Flow
Model in Yamanashi, Japan
山梨大学
ICRE
JpGU 2025
Session: A-HW25 Groundwater Resources Conservation
Speaker: Nguyen Quoc Cuong
Supervisor: Dr. Nakamura Takashi
Co-Supervisor:
Dr. Ishidaira Hiroshi
Dr. Jun Magome
OSPA
Entry
JpGU 2025



Some topics related to my future research

There are many scientific posters presented at JpGU 2025