

地熱和碳封存領域的 創新進展

Innovative Advancement in Geothermal and Carbon Sequestration

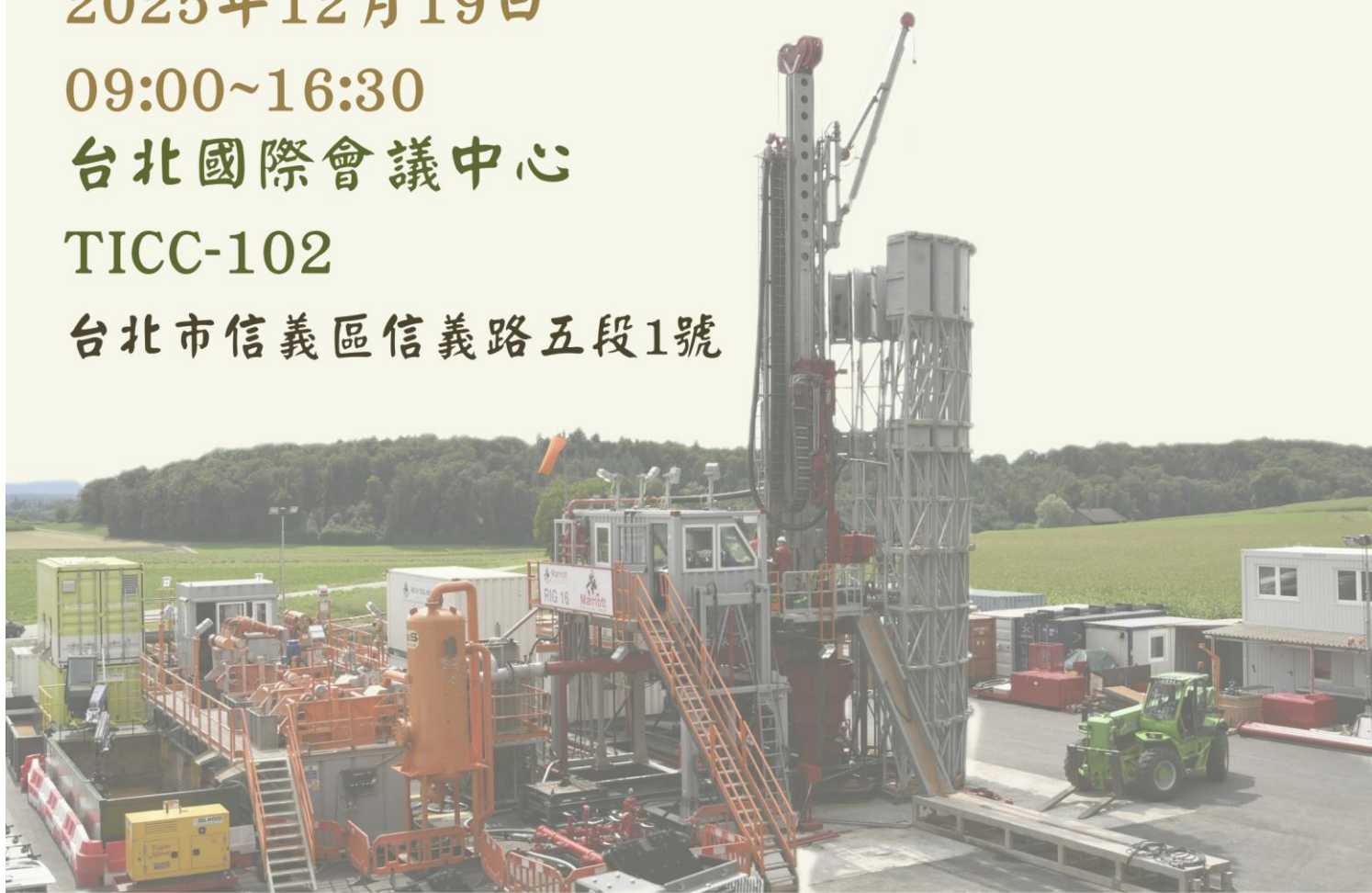
2025年12月19日

09:00~16:30

台北國際會議中心

TICC-102

台北市信義區信義路五段1號



主辦：



翰可能源
S E N E R G Y



Marriott
DRILLING GROUP

協辦：



中華民國地質學會
Geological Society Located in Taipei



中華民國
環境工程學會
CIEnvE



台灣地熱資源發展協會
Taiwan Geothermal
Association



Asia-Pacific Energy & Science Education Association

Baker Hughes



TAIOTEK

泰京有限公司
TAIOTEK CO., LTD

貴賓您好！

『翰可能源股份有限公司』誠摯地邀請您參與由本公司、『國立臺灣大學新碳勘科技中心』，以及『英國 Marriott Drilling Group (MDG) 』三方聯合主辦的「地熱與碳封存領域的創新進展論壇」。

同步邀請知名產業的現場分享（按字母排序）：

✧✧ Air Drilling Associates	✧✧ ITRI 工研院
✧✧ Baker Hughes	✧✧ JGI
✧✧ Exceed Energy	✧✧ Schlumberger
✧✧ Halliburton	✧✧ SUSTEC

★ 論壇亮點

在淨零排放與能源轉型的全球浪潮下，深層地熱能與地質碳封存技術已成為國際社會關注的焦點。本次論壇旨在：

✧✧ 匯集多方在深層地熱開發、高效鑽探技術，以及地質碳封存研究的最新成果與創新進展。

✧✧ 深入探討如何運用尖端科技，加速綠色能源開發並實現大規模溫室氣體減排的目標。

日期：2025/12/19

時間：09:00-16:30

地點：TICC 台北國際會議中心 - 102 會議室

報名：<https://forms.gle/wvbW936ZJut8hMWA6>

- 會議全程以「英文」進行，不收費，無翻譯。
- 中午供餐盒、請於報名時登記。
- 報名採「錄取制」，成功錄取後，會議前將發信通知確認。
- 後續最新資訊更新請參考國立臺灣大學新碳勘科技中心網頁

Dear Esteemed Guest,

"Skwentex Energy Co., Ltd." cordially invites you to participate in the "Forum on Innovative Advancements in Geothermal and Carbon Capture and Storage (CCS)", jointly hosted by our partners.

"Science & Technology Research Institute for De-Carbonization,(STRIDE-C)" of National Taiwan University.

"Marriott Drilling Group (MDG)" from the United Kingdom.

We are also pleased to announce the participation of industry-renowned companies (listed alphabetically):

✦✦ Air Drilling Associates	✦✦ ITRI 工研院
✦✦ Baker Hughes	✦✦ JGI
✦✦ Exceed Energy	✦✦ Schlumberger
✦✦ Halliburton	✦✦ SUSTEC

★ Forum Highlights

Amidst the global trend of net-zero emissions and energy transition, deep geothermal energy and geological carbon storage technology have become key focuses for the international community. This forum aims to:

✦✦ Gather the latest achievements and innovative progress from various parties in the fields of deep geothermal development, high-efficiency drilling technology, and geological carbon storage research.

✦✦ Deeply explore how to utilize cutting-edge technology to accelerate green energy development and achieve the goal of large-scale greenhouse gas emission reduction.

Date : 2025/DEC/19 09:00 - 16:30

Venue : TICC Taipei International Convention Center - Room 102

Registration : <https://forms.gle/wvbW936ZJut8hMWA6>

Important Notes:

- * The conference will be conducted in English throughout, is free of charge, and no translation services will be provided.
- * Lunch boxes will be provided at noon; please register your meal preference when signing up.
- * Registration is subject to an "acceptance system." Successful applicants will receive a confirmation notice via email prior to the conference.

AGENDA / 活動議程

08:30-09:00 報到

09:00-09:10 來賓致詞 & 大合照

09:10-09:30 Lighting Up Western Taiwan:
Assessing Geothermal Resource Potential Beneath the West Foothill Area
NTU STRIDE-C 臺灣大學新碳勘科技研究中心 / 黃韶怡

09:30-09:50 New Frontier of Drilling and Marriott's Asia Ambitions
Marriott Drilling Group / Basie Swanepoel

09:50-10:10 CCS One Stop Services
JGI 地球科學綜合研究所

10:10-10:30 Traditional Resource Verification Process and Innovative Flow
Measurement Technology for Geothermal Wells
ITRI 工業技術研究院 綠能所 / 范愷軍

10:30-10:50 茶歇

10:50-11:10 Advanced Multi-physics Simulation of Coupled Subsurface
Processes in CO₂ Storage and Geothermal Reservoirs
NTU STRIDE-C 臺灣大學新碳勘科技研究中心 / 郭家瑋

11:10-11:30 Slim-hole Drilling and Testing Strategies for Host Rock Exploration
ITRI 工業技術研究院 材化所 / 謝佩珊

11:30-11:50 Geothermal Exploration Service Example of JGI
JGI 地球科學綜合研究所

11:50-12:10 SLB Global CCS Full Lifecycle Digital Integration Solution
SLB / Kaibin Qiu

12:10-13:30 午餐 (用餐地點 : TICC 三樓)

13:30-13:50 SQUID-TEM as a novel geophysical exploration method contributing to carbon neutrality
超電導センサテクノロジー株式会社 (SUSTEC) / Sogo Kuroiwa

13:50-14:10 The Importance of Vulcanix-Geothermal-Tricone-Drill-Bit for North-East Taiwan
Baker Hughes

14:10-14:30 The CCS Development in Taiwan and ITRI's Integrated Technology Solutions
ITRI 工業技術研究院 綠能所 / 陳俊榕

14:30-14:50 茶歇

14:50-15:10 Material Science: Ensuring safety operations for Geothermal and CCS
Halliburton / Kian-Wei Tan

15:10-15:30 Unlocking the Benefits of Community Geothermal :
Using Presidio, TX as a Model of West Texas
Exceed Energy Taiwan limited / Nasikul Islam

15:30-15:50 Critical role of UBD in development of Indonesia's geothermal
Air Drilling Associates / Thomas Jenkins

15:50-16:30 綜合討論

臺灣大學新碳勘科技研究中心 / 劉雅瑄 主任 主持