

SPE WORKSHOP

3-4 SEPTEMBER 2024 | KUALA LUMPUR, MALAYSIA



Carbon Storage and Management

REGISTER NOW



CARBON STORAGE AND MANAGEMENT

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 About the Workshop

Carbon Storage and Management

The Asia Pacific region is witnessing a growing trend towards embracing carbon storage solutions as nations endeavour to mitigate greenhouse gas emissions and adhere to international climate agreements. To capitalise on the opportunities presented by carbon storage, the industry must adopt a multifaceted approach encompassing policy reforms, strategic partnerships, and technological innovations.

The SPE Workshop: Carbon Storage and Management provides a platform to facilitate knowledge exchange, foster strategic partnerships, and inspire actionable steps to accelerate the adoption of scalable carbon storage solutions while meeting global climate commitments.



EXPLORE new frontiers in carbon storage and management leveraging the latest in research, project development, case studies, and lessons learnt.



GAIN insights into pioneering technologies and scalable solutions in carbon storage with a focus on sustainability and emissions reduction.



FOSTER collaborative partnerships to advance carbon storage and management in Asia Pacific and **SHAPE** a sustainable energy future.



NETWORK and **EXCHANGE** diverse perspectives with peers and experts in the carbon storage field.

 Who Should Attend?

- | | |
|---|--|
|  ASSET INTEGRITY |  PRODUCTION AND OPERATION MANAGEMENT |
|  CCS/CCUS |  PRODUCTION TECHNOLOGY |
|  DRILLING AND COMPLETIONS |  REGULATORS |
|  GEOLOGY AND RESERVOIR CHARACTERISATION |  RESEARCH, DEVELOPMENT AND ACADEMIA |
|  HSE AND RISK MANAGEMENT |  SUBSEA AND SUBSURFACE MANAGEMENT |
|  MANAGEMENT OF CHANGE |  WELL AND RESERVOIR SURVEILLANCE |
|  MEASUREMENT, MONITORING AND VERIFICATION (MMV) SOLUTIONS |  WELL ENGINEERING AND SERVICE |
|  PROCESS SAFETY MANAGEMENT |  WELLS MANAGEMENT |
|  PRODUCTION ENGINEERING | |



**OUR
COMMITTEE
MEMBERS**

Get to know the Committee Members that shapes the programme.



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MEMBER?**

Join SPE today and receive a discounted registration rate for this workshop and other SPE events.

Programme Schedule

TUESDAY, 3 SEPTEMBER 2024

0800–0850 hours	Registration and Welcome Refreshments
0850–0900 hours	Safety Announcement
0900–0930 hours	Welcome Remarks and Keynote Address
0930–1100 hours	Panel Session: Policy and Regulatory Frameworks
1100–1130 hours	Group Photo / Coffee and Tea Break
1130–1230 hours	Session 1: Advancements in Geological CO₂ Storage: Methods, Challenges, and Implications I
1230–1330 hours	Networking Luncheon
1330–1430 hours	Session 1: Advancements in Geological CO₂ Storage: Methods, Challenges, and Implications II
1430–1530 hours	Session 2: CCS Wells Design and Management I
1530–1600 hours	Coffee and Tea Break
1600–1700 hours	Session 2: CCS Wells Design and Management II
1700–1800 hours	Session 3: Advancements in Monitoring, Measurement, and Verification (MMV) and Surveillance for CO₂ Storage Projects I
1800 hours onwards	Networking Dinner

WEDNESDAY, 4 SEPTEMBER 2024

0800–0900 hours	Registration and Welcome Refreshments
0900–1000 hours	Session 3: Advancements in Monitoring, Measurement, and Verification (MMV) and Surveillance for CO₂ Storage Projects II
1000–1030 hours	Coffee and Tea Break
1030–1230 hours	Session 4: Injection Strategies and Risk Management
1230–1330 hours	Networking Luncheon
1330–1530 hours	Session 5: Advancements in Carbon Storage Technologies
1530–1600 hours	Coffee and Tea Break
1600–1800 hours	Session 6: Subsurface Utilisation: Harnessing CO₂ for Enhanced Hydrocarbon Recovery or Other Novel Subsurface Processes
1800–1830 hours	Workshop Summary and Closing Remarks

REGISTER TODAY 



VIEW FULL
TECHNICAL
PROGRAMME 

Visit our website to view full technical programme today!

SAVINGS
AVAILABLE 

Early Bird and Group Registration Savings Available.

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Tuesday, 3 September 2024

0900 - 0930

Welcome Remarks and Keynote Address



WELCOME REMARKS

Ryuichi Uchimura
Workshop Co-chair
Deputy Managing Director
Senior General Manager Technical
Project Co-Director of BIGST
**JX Nippon Oil & Gas Exploration
(Malaysia) Limited**



WELCOME REMARKS

Siti Normaizan Hassan
Workshop Co-chair
General Manager of Discovered
Resource Arrangement
Resource Development Management
Malaysia Petroleum Management
PETRONAS

0930 - 1100

PANEL SESSION: POLICY AND REGULATORY FRAMEWORKS

Moderators: Mark Edmondson, **Computer Modelling Group Limited**;
Siti Aishah Mohd Hatta, **Global CCS Institute**

This panel session will offer a technical exploration of existing policies, regulations, and incentives at both regional and global scales, shaping the future of carbon management and environmental sustainability.

1100 - 1130 | **GROUP PHOTO / COFFEE AND TEA BREAK**

1130 - 1230

SESSION 1: ADVANCEMENTS IN GEOLOGICAL CO₂ STORAGE: METHODS, CHALLENGES, AND IMPLICATIONS I

Session Managers: Ana Widyanita, **PETRONAS**; Pankaj Tiwari, **PETRONAS Research Sdn. Bhd.**; Chiara Cavalleri, **SLB**

This session will offer a comprehensive subsurface evaluation of the complexities involved in CO₂ storage, including screening, identification, characterisation, and utilisation of geological formations for long-term carbon storage.

1230 - 1330 | **NETWORKING LUNCHEON**

1330 - 1430

SESSION 1: ADVANCEMENTS IN GEOLOGICAL CO₂ STORAGE: METHODS, CHALLENGES, AND IMPLICATIONS II

Session Managers: Ana Widyanita, **PETRONAS**; Pankaj Tiwari, **PETRONAS Research Sdn. Bhd.**; Chiara Cavalleri, **SLB**

1430 - 1530

SESSION 2: CCS WELLS DESIGN AND MANAGEMENT I

Session Managers: Edward Hoskin, **Ikon Science Ltd.**; Noufal Al Nofali, **Petroleum Development Oman**

CCS wells serve as the primary infrastructure for injecting and storing captured CO₂ deep underground. This session will focus on critical strategies and practices essential for optimising the performance and integrity of CCS wells throughout their entire lifespan.

1530 - 1600 | **COFFEE AND TEA BREAK**

1600 - 1700

SESSION 2: CCS WELLS DESIGN AND MANAGEMENT II

Session Managers: Edward Hoskin, **Ikon Science Ltd.**; Noufal Al Nofali, **Petroleum Development Oman**

1700 - 1800

SESSION 3: ADVANCEMENTS IN MONITORING, MEASUREMENT, AND VERIFICATION (MMV) AND SURVEILLANCE FOR CO₂ STORAGE PROJECTS I

Session Managers: Pankaj Tiwari, **PETRONAS Research Sdn. Bhd.**; Kanda Vattanapornpirom, **PTT Exploration and Production Public Company Limited**; Ludovic Ricard, **CSIRO Energy**

This session will delve into cutting-edge advancements in Monitoring, Measurement, and Verification (MMV) tailored for carbon injection projects crucial for combating climate change while ensuring the safety and efficiency of CO₂ storage.

1800 ONWARDS | **NETWORKING DINNER**

CARBON STORAGE AND MANAGEMENT

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Wednesday, 4 September 2024

0800 - 0900 | REGISTRATION AND WELCOME
REFRESHMENTS

0900 - 1000

**SESSION 3: ADVANCEMENTS IN
MONITORING, MEASUREMENT, AND
VERIFICATION (MMV) AND SURVEILLANCE
FOR CO₂ STORAGE PROJECTS II**Session Managers: Ludovic Ricard, **CSIRO Energy**; Pankaj Tiwari,
PETRONAS Research Sdn. Bhd.; Kanda Vattanapornpirom, **PTT
Exploration and Production Public Company Limited**

1000 - 1030 | COFFEE AND TEA BREAK

1030 - 1230

**SESSION 4: INJECTION STRATEGIES AND
RISK MANAGEMENT**Session Managers: Adil Pottayil, **Calsep Asia Pacific Sdn. Bhd.**;
Sho Hirose, **Japan Petroleum Exploration Co., Ltd. (JAPEx)**;
Dwandari Ralanarko, **PT Pertamina***Successful execution and sustained operation of CCS projects
require a thorough evaluation of injection and storage dynamics.
Understanding how various formation parameters influence
injectivity is crucial. This session will explore the key factors of a
successful injection strategy while assessing the associated risks.*

1230 - 1330 | NETWORKING LUNCHEON

1330 - 1530

**SESSION 5: ADVANCEMENTS IN CARBON
STORAGE TECHNOLOGIES**Session Managers: Satyabrata Nayak, **PETRONAS**; Chiara Cavalleri,
SLB*This session will discuss technological advancements and evaluation
workflows to address the challenges associated with safe and
effective CO₂ storage, from site characterisation to the development
and execution of carbon sequestration and monitoring programmes.*

1530 - 1600 | COFFEE AND TEA BREAK

1600 - 1800

**SESSION 6: SUBSURFACE UTILISATION:
HARNESSING CO₂ FOR ENHANCED
HYDROCARBON RECOVERY OR OTHER NOVEL
SUBSURFACE PROCESSES**Session Managers: Mark Edmondson, **Computer Modelling Group
Limited**; Zhenjie Chai, **JX Nippon Oil & Gas Exploration (Malaysia)
Limited***This session will examine the dynamics of carbon utilisation and
the consequent challenges covering Enhanced Oil Recovery (EOR),
Enhanced Gas Recovery (EGR), mineralisation, and other advanced
technologies under the context of geological carbon sequestration.*1800 - 1830 | WORKSHOP SUMMARY AND
CLOSING REMARKS

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Sponsorship support of the event helps offset the cost of producing workshops and allows SPE to keep the attendance price within reach of operation level-individuals, those who benefit most from these technical workshops.

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Enhance and strengthen your brand identity to a targeted audience

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Expand and maximise your brand and organisation's visibility and longevity at the event in-person and on the mobile app

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Reinforce your organisation's relationships with key industry practitioners

**Demonstrate Commitment**

Demonstrate your commitment to the industry through support

 Who We Are

SPE is the largest individual member organisation serving managers, engineers, scientists and other professionals worldwide in the upstream segment of the oil and gas industry.

The Society of Petroleum Engineers (SPE) is a not-for-profit organisation. Income from this event will be invested back into SPE to support many other Society programmes. When you attend an SPE event, you help provide even more opportunities for industry professionals to enhance their technical and professional competence. Scholarships, certification, the Distinguished Lecturer programme, and SPE's energy education programme Energy4Me® are just a few examples of programmes supported by SPE.



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Workshops offer sponsors unique access to a focused group of key decision-makers in the oil and gas industry. While SPE prohibits any type of commercialism within the workshop itself, it recognizes that sponsoring companies offer valuable information to attendees.

For a detailed list of available sponsorships, including benefits and pricing, contact Renee Wong at rwong@spe.org.

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