

SPE WORKSHOP

25-26 NOVEMBER 2025 | KUCHING, SARAWAK, MALAYSIA



Integrated Carbonate Reservoir Development and Management

REGISTER TODAY



INTEGRATED CARBONATE RESERVOIR DEVELOPMENT AND MANAGEMENT

25-26 NOVEMBER 2025 | KUCHING, SARAWAK, MALAYSIA

About the Workshop

SPE Workshop: Integrated Carbonate Reservoir Development and Management

Carbonate reservoirs are among the most prolific hydrocarbon systems globally, yet they remain some of the most technically complex to develop and manage. Their inherent heterogeneity, intricate pore structures, and natural fracturing present significant challenges across the reservoir lifecycle. In today's energy landscape—where efficiency, optimised recovery, and sustainability are paramount—an integrated and multidisciplinary approach to carbonate reservoir development is essential to unlocking their full potential.

This workshop provides a comprehensive overview of the integrated workflows and technologies required for the successful characterisation, development, and management of carbonate reservoirs.



MASTER

integrated workflows to overcome the complexities of carbonate reservoir development.



UNLOCK

advanced modelling and digital tools that boost recovery and reduce uncertainty.



DISCOVER

practical, sustainable ways to optimise field development and management.



CONNECT

with industry experts to share insights and expand your professional network.



Who Should Attend?

- | | |
|---|--|
|  RESERVOIR ENGINEERS |  ENHANCED OIL RECOVERY (EOR) SPECIALISTS |
|  PETROLEUM ENGINEERS |  DATA SCIENTISTS |
|  PRODUCTION ENGINEERS |  ASSET MANAGERS |
|  DRILLING ENGINEERS |  PROJECT MANAGERS |
|  COMPLETION ENGINEERS |  OPERATIONS ENGINEERS |
|  GEOLOGISTS |  PRODUCTION GEOLOGISTS |
|  GEOPHYSICISTS |  HSE AND SUSTAINABILITY |
|  PETROPHYSICISTS |  ACADEMICS AND RESEARCHERS |
|  SUBSURFACE ENGINEERS | |

OUR COMMITTEE MEMBERS

Get to know the Committee Members that shapes the programme.

NOT AN SPE MEMBER?

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

INTEGRATED CARBONATE RESERVOIR DEVELOPMENT AND MANAGEMENT

25-26 NOVEMBER 2025 | KUCHING, SARAWAK, MALAYSIA

Programme Schedule

TUESDAY, 25 NOVEMBER 2025

0800 – 0855	Registration and Welcome Refreshments
0855 – 0900	Safety Announcement
0900 – 1000	Welcome Remarks and Keynote Address
1000 – 1030	Group Photo/Coffee and Tea Break
1030 – 1200	Panel Session
1200 – 1300	Networking Luncheon
1300 – 1440	Session 1: Carbonate Reservoir Fundamentals
1440 – 1530	Session 2: Static and Dynamic Reservoir Characterisation and Simulation - Part 1
1530 – 1545	Coffee and Tea Break
1545 – 1635	Session 2: Static and Dynamic Reservoir Characterisation and Simulation - Part 2
1635 – 1815	Session 3: Integrated Subsurface Development Planning and Forecasting
1815 onwards	Networking Reception

WEDNESDAY, 26 NOVEMBER 2025

0800 – 0825	Registration and Welcome Refreshments
0825 – 0830	Safety Announcement
0830 – 1010	Session 4: Optimising Production and Field Management through Digital Innovation
1010 – 1025	Coffee and Tea Break
1025 – 1205	Session 5: Enhanced Oil and Gas Recovery and Fluids Management in Carbonates: From Screening to Field Success
1205 – 1305	Networking Luncheon
1305 – 1445	Session 6: Carbon Capture and Storage (CCS) in Carbonates
1445 – 1500	Coffee and Tea Break
1500 – 1640	Session 7: Emerging Topics and Cross-Sector Learnings
1640 – 1700	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.

INTEGRATED CARBONATE RESERVOIR DEVELOPMENT AND MANAGEMENT

25-26 NOVEMBER 2025 | KUCHING, SARAWAK, MALAYSIA

Tuesday, 25 November 2025

0900 - 0940

Welcome Remarks and Keynote Address



WELCOME REMARKS

Venkata Sai Garimella
Workshop Advisor
Group Technical Authority
Custodian Reservoir Engineering
PETRONAS



WELCOME REMARKS

Tengku Rasidi Tengku Othman
Workshop Co-chair
General Manager
PETRONAS Carigali Sdn. Bhd.

0940 - 1000

GROUP PHOTO /
COFFEE AND TEA BREAK

1000 - 1140

PANEL SESSION

1200 - 1300

NETWORKING LUNCHEON

1300 - 1440

SESSION 1: CARBONATE RESERVOIR FUNDAMENTALS

Session Managers: Khairul Azhar Zamri, **PETRONAS**; Puntira Henglai, **PTT Exploration and Production Public Company Limited**

This session will provide a fundamental overview of carbonate reservoirs, covering geology, facies, diagenesis, pore evolution, and how technologies like Seismic AI are transforming reservoir analysis and development.

1440 - 1530

SESSION 2: STATIC AND DYNAMIC RESERVOIR CHARACTERISATION AND SIMULATION - PART 1

Session Managers: Andy Kristianto, **PT Pertamina Hulu Energi**; Akram Omar, **Rock Flow Dynamics**

This session will examine static and dynamic reservoir characterisation integrated into simulation workflows, focusing on data interpretation, model building, history matching, and using dynamic data to improve forecasting and management.

1530 - 1545

COFFEE AND TEA BREAK

1545 - 1635

SESSION 2: STATIC AND DYNAMIC RESERVOIR CHARACTERISATION AND SIMULATION - PART 2

1635 - 1815

SESSION 3: INTEGRATED SUBSURFACE DEVELOPMENT PLANNING AND FORECASTING

Session Managers: Shodiq Rofieq, **Computer Modelling Group Ltd**; Mohd Fairuz Azman, **PETRONAS**; M Mifdhal Hussain, **PETRONAS**; Yeap Yeow Chong, **Shell**

This session will focus on integrated subsurface development planning and forecasting in complex carbonate reservoirs, emphasising dual-porosity modelling, uncertainty management, well placement, and recovery strategies aligned with development plans.

1815 ONWARDS

NETWORKING RECEPTION

Wednesday, 26 November 2025

0830 - 1010

SESSION 4: OPTIMISING PRODUCTION AND FIELD MANAGEMENT THROUGH DIGITAL INNOVATION

Session Managers: Jazael Ballina Ruvalcaba, **Baker Hughes**; Allan Rydahl, **Halliburton**; Mohd Faiz Abdul Aziz, **PETRONAS**; Nurul Aida M Agil, **PETRONAS**; Wan Faisal Paino, **PETRONAS**

This session will address how digital innovation and integrated strategies enhance production optimisation and field management in carbonate reservoirs, emphasising smart analytics, real-time surveillance, and multidisciplinary workflows for better recovery and sustainability.

1010 - 1025

COFFEE AND TEA BREAK

1025 - 1205

SESSION 5: ENHANCED OIL AND GAS RECOVERY AND FLUIDS MANAGEMENT IN CARBONATES: FROM SCREENING TO FIELD SUCCESS

Session Managers: Mohd Fairuz Azman, **PETRONAS**; Ahmad Reizky Azhar, **Rock Flow Dynamics**; Andrea Rosa, **Stone Ridge Technology**

This session will delve into advanced EOR, EGR, and fluids management in carbonate reservoirs, covering CO₂ injection, chemical EOR, and waterflood optimisation, with case studies providing insights into screening and integration for sustainable recovery.

1205 - 1305

NETWORKING LUNCHEON

1305 - 1445

SESSION 6: CARBON CAPTURE AND STORAGE (CCS) IN CARBONATES

Session Managers: Shodiq Rofieq, **Computer Modelling Group Ltd**; Nurul Aida M Agil, **PETRONAS**; Mohamad Kamal Hamdan, **PTT Exploration and Production Public Company Limited**

This session will highlight CCUS's role in achieving net-zero by 2050, leveraging O&G subsurface expertise. It covers carbonate storage feasibility, injectivity, monitoring, and the importance of regulations to attract investment and manage risks.

1445 - 1500

COFFEE AND TEA BREAK

1500 - 1640

SESSION 7: EMERGING TOPICS AND CROSS-SECTOR LEARNINGS

Session Managers: Nadiah Anasir, **PETRONAS**; Andrea Rosa, **Stone Ridge Technology**

This session will examine emerging technologies like hydrogen storage and geothermal energy in carbonate reservoirs, focusing on geochemical impacts, subsurface challenges, and the need for a skilled, AI-driven workforce to balance energy security, affordability, and sustainability.

1640 - 1700

WORKSHOP SUMMARY AND CLOSING REMARKS

INTEGRATED CARBONATE RESERVOIR DEVELOPMENT AND MANAGEMENT

25-26 NOVEMBER 2025 | KUCHING, SARAWAK, MALAYSIA

Sponsorship Opportunities

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.

Sponsors benefit both directly and indirectly by having their names associated with a specific workshop. While SPE prohibits any type of commercialism within the workshop room itself, the Society recognises that sponsoring companies offer valuable information to attendees outside the technical sessions.

Entitlements	Principal Sponsor USD 10,000	Gold Sponsor USD 8,000	Silver Sponsor USD 4,000	Table Display* USD 2,500
Complimentary Full Workshop registrations	10	6	3	1
Acknowledgement during Welcome Remarks	✓			
Company logo on front cover of workshop flyer/brochure	✓			
Company logo on Mobile App attendee email header	✓			
Opportunity to insert sponsors' promotional materials (PDF or link) as downloadable resources in Mobile App	✓	✓		
Company logo displayed during event	✓	✓	✓	✓
Company logo in all workshop promotional email broadcasts	✓	✓	✓	✓
Company logo links to sponsor's website on digital platforms including but not limited to event website, marketing materials and social media postings	✓	✓	✓	✓
Company logo in all workshop Mobile App attendee emails	✓	✓	✓	✓
Company logo listed on workshop brochure	✓	✓	✓	✓
Option to display one company bunting**	✓	✓	✓	✓

*Include 1 Oblong Table + 2 Chairs

**Company to provide bunting

Sponsorship packages are offered on a first-come, first-served basis. Please contact Madeline Florid at mflorid@spe.org to verify the availability of a particular sponsorship package.



Enhance Brand Identity

Enhance and strengthen your brand identity to a targeted audience



Maximise Visibility

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



Reinforce Relationships

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 dedicated to advancing the energy industry and empowering professionals. Revenue from this event supports SPE initiatives that drive professional growth, foster community, and deliver innovative solutions. By attending, sponsoring, or exhibiting at an SPE event, you help fund impactful programmes such as JPT, certification, the Distinguished Lecturer Programme, and Energy4me®, our energy education initiative. Together, we are advancing careers, building connections, and shaping the future of energy.



SPE WORKSHOP

25-26 NOVEMBER 2025 | KUCHING, SARAWAK, MALAYSIA

Integrated Carbonate Reservoir Development and Management

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 Madeline Florid at mflorid@spe.org.

REGISTER TODAY ➤

EMAIL ➤

☎ +60.3.2182.3107