

SPE WORKSHOP

26-27 NOVEMBER 2024 | KUALA LUMPUR, MALAYSIA



Revolutionising Drilling: Innovations in Fluids, Cementing, and Waste Management to Drive Well Performance and Champion Sustainability

REGISTER TODAY



REVOLUTIONISING DRILLING: INNOVATIONS IN FLUIDS, CEMENTING, AND WASTE MANAGEMENT TO DRIVE WELL PERFORMANCE AND CHAMPION SUSTAINABILITY

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About the Workshop

Revolutionising Drilling: Innovations in Fluids, Cementing, and Waste Management to Drive Well Performance and Champion Sustainability

The workshop aims to enhance knowledge exchange by sharing best practices and innovative techniques in drilling fluids, cementing, and waste management. It seeks to promote environmental protection by minimising emissions, waste, and contamination, while preserving natural habitats. Improving resource efficiency by using water, energy, and materials more effectively is a key focus, alongside ensuring economic viability to sustain continuous investment in new technologies.



SHARE Innovations in the digitalisation aspects, and sustainable practices in designs and deployment of drilling fluid and cementing services that help in enhancing well performance, and ensuring robust environmental stewardship.



EXCHANGE ideas and network with fellow industry players and technology enablers.



EXPLORE Best practices and innovative techniques in drilling fluids, cementing, and waste management, with a focus on enhancing environmental protection, resource efficiency, economic viability, and social responsibility.



NETWORK with peers and experts in the field.

Who Should Attend?

-  **ARTIFICIAL LIFT**
-  **PRODUCTION CHEMISTRY**
-  **CEMENTING**
-  **PRODUCTION ENHANCEMENT**
-  **DRILLING AND COMPLETION ENGINEERING**
-  **PRODUCTION TECHNOLOGY**
-  **DRILLING AND COMPLETION FLUIDS**
-  **REGULATORS**
-  **EQUIPMENT SPECIALISTS**
-  **RESERVOIR MANAGEMENT**
-  **FORMATION DAMAGE**
-  **WASTE MANAGEMENT**
-  **HEALTH, SAFETY AND ENVIRONMENT**

**OUR
COMMITTEE
MEMBERS**

Get to know the Committee Members that shapes the programme.

**NOT AN SPE
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Join SPE today and receive a discounted registration rate for this workshop and other SPE events.

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Programme Schedule

TUESDAY, 26 NOVEMBER 2024

0800 – 0855 hours	Registration and Welcome Refreshments
0900 – 0930 hours	Opening Session and Keynote Address
0930 – 1015 hours	Group Photo/Coffee Break/ePoster Presentations
1015 – 1215 hours	Session 1: Current Best Solutions and New Drilling and Completion Fluids System in the Market Session Managers: Muhammad Afiq Kamal Ariffin, Baker Hughes ; Ajita Ang Cit Keai, PETRONAS
1215 – 1330 hours	Luncheon
1330 – 1530 hours	Session 2: Current Best Solutions for Cementing that Include Technology Enhancements in CCUS Session Managers: Jim Yijing Hoe, Shell Malaysia ; Cinto Azwar, SLB
1530 – 1615 hours	Coffee Break/ePoster Presentations
1615 – 1815 hours	Session 3: New Technologies in Deepwater, HPHT, ERD – Challenges and Case Studies Session Managers: Rahul Dey, Elkem ASA ; Catalin Aldea, SLB
1815 hours	Networking Dinner

WEDNESDAY, 27 NOVEMBER 2024

0800 – 0830 hours	Refreshments
0830 – 1030 hours	Session 4: Mature and Depleted Fields Management – Challenges and Case Studies Session Managers: Amelia Dewi Rutinah, Baker Hughes ; Jimmy Wong, Halliburton
1030 – 1100 hours	Coffee Break /ePoster Presentations
1100 – 1300 hours	Session 5: Formation Damage – Challenges and Case Studies Session Managers: Jasvinder Singh, Weatherford ; Phil Navage, Well Engineering and Technology
1300 – 1400 hours	Luncheon
1400 – 1600 hours	Session 6: Digital Solutions in Drilling Fluids & Cementing Session Managers: M Abiabhar B Abitalhah, PETRONAS ; Aslam Yusof, Universiti Teknologi PETRONAS
1600 – 1630 hours	Coffee Break/ePoster Presentations
1630 – 1830 hours	Session 7: Waste Management and Environment – New Technologies, Best Practices and Environment Regulation Chingiz Gabdushev, Halliburton ; Amreet Raj Singh, NOV ; Craig Turpin, NOV
1830 – 1845 hours	Workshop Summary and Closing Remarks

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Tuesday, 26 November 2024

0900 - 0930

Welcome Remarks and Keynote Address



WELCOME REMARKS

M Baihaky B M Abdullah

Workshop Co-chair

Staff Fluids Engineer Wells Fluids & Cementing

PETRONAS



KEYNOTE SPEAKERS

M Shaufi B Dahlan

General Manager, Wells Operations

PETRONAS



KEYNOTE SPEAKERS

Farid Fedala

Asia Well Construction Vice President

SLB

0930 - 1015 | GROUP PHOTO/COFFEE BREAK / EPOSTER PRESENTATIONS

1100 - 1300

SESSION 1: CURRENT BEST SOLUTIONS AND NEW DRILLING AND COMPLETION FLUIDS SYSTEM IN THE MARKET

Session Managers: Muhammad Afiq Kamal Ariffin, Baker Hughes; Ajita Ang Cit Keai, PETRONAS

The session will deal with new solutions introduced in the region which have increased efficiency and become cost-effective solutions to challenges in the drilling operations. Speakers will also provide a holistic view on the new techniques and technology deployed in the region and how it has improved the well delivery and production.

1215 - 1330 | NETWORKING LUNCHEON

1330 - 1530

SESSION 2: CURRENT BEST SOLUTIONS FOR CEMENTING THAT INCLUDE TECHNOLOGY ENHANCEMENTS IN CCUS

Session Managers: Jim Yijing Hoe, Shell Malaysia; Cinto Azwar, SLB

Speakers will delve into case studies showcasing innovative cementing technologies, discussing a diverse range of approaches to achieve zonal isolation throughout a well's lifespan. Discussions will cover the adoption of these technologies—a critical factor as the cementing industry strives to transition toward a more sustainable future.

1530 - 1615 | COFFEE BREAK / EPOSTER PRESENTATIONS

1615 - 1815

SESSION 3: NEW TECHNOLOGIES IN DEEPWATER, HPHT, ERD - CHALLENGES AND CASE STUDIES

Session Managers: Rahul Dey, Elkem ASA; Catalin Aldea, SLB

This session aims to provide the participants with a review of the current drilling challenges in the Asia market, and capture the technologies used to address them while drilling and completing some of the world's most extreme wells.

1815 | NETWORKING DINNER

Wednesday, 27 October 2024

0800 - 0830 | REFRESHMENTS

0830 - 1030

SESSION 4: MATURE AND DEPLETED FIELDS MANAGEMENT - CHALLENGES AND CASE STUDIES

Session Managers: Amelia Dewi Rutinah, Baker Hughes; Jimmy Wong, Halliburton

Explore advanced drilling techniques for mature reservoirs, focusing on managing depletion challenges. Learn how novel fluid designs, fracture simulations, and customised compositions can minimise lost circulation and optimise drilling in complex low- and high-pressure environments.

1030 - 1100 | COFFEE BREAK / EPOSTER PRESENTATIONS

1100 - 1300

SESSION 5: FORMATION DAMAGE - CHALLENGES AND CASE STUDIES

Session Managers: Jasvinder Singh, Weatherford; Phil Navage, Well Engineering and Technology

This session provides an opportunity to show various chemical or mechanical solutions that have been used or present newer technology used to remediate these common problems. Is there a new less damaging mud system or additive in the drilling fluid to protect the reservoirs. Is there a new and improved acid system?

1300 - 1400 | COFFEE BREAK / EPOSTER PRESENTATIONS

1400 - 1600

SESSION 6: DIGITAL SOLUTIONS IN DRILLING FLUIDS & CEMENTING

Session Managers: M Abiabhar B Abitalhah, PETRONAS; Aslam Yusof, Universiti Teknologi PETRONAS

This session aims to delve into the latest digital innovations that enhance the accuracy, efficiency, and safety of drilling fluid management and cementing operations. Key topics include real-time monitoring systems, predictive maintenance, automated quality control, and data-driven decision-making tools.

1600 - 1630 | COFFEE BREAK / EPOSTER PRESENTATIONS

1630 - 1830

SESSION 7: WASTE MANAGEMENT AND ENVIRONMENT - NEW TECHNOLOGIES, BEST PRACTICES AND ENVIRONMENT REGULATION

Session Managers: Chingiz Gabdushev, Halliburton; Amreet Raj Singh, NOV; Craig Turpin, NOV

Discover current methods for drilling waste management and disposal, focusing on sustainable practices and strict environmental regulations. This session will feature case studies, thermal treatment solutions, and best practices for navigating offshore, onshore, and regional regulations.

1830 - 1845 | WORKSHOP SUMMARY AND CLOSING REMARKS



CLOSING REMARKS

Vera Wibowo

Workshop Co-chair

East Asia Well Construction Division Manager
SLB

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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.

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Company logo in all workshop Mobile App attendee emailers	✓	✓	✓
Company Logo listed in workshop brochure	✓	✓	✓

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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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