

SPE WORKSHOP

8-9 SEPTEMBER 2026 | KUALA LUMPUR, MALAYSIA



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Beyond Boundaries – Advancing Cost-Effective and Sustainable Solutions in Flow Assurance



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BEYOND BOUNDARIES — ADVANCING COST-EFFECTIVE AND SUSTAINABLE SOLUTIONS IN FLOW ASSURANCE

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About the Workshop

SPE Workshop: Beyond Boundaries — Advancing Cost-Effective and Sustainable Solutions in Flow Assurance

As the industry expands into deepwater and frontier environments, flow assurance remains critical for safe, reliable, and cost-effective production. Operators face increasing pressure to develop fields flexibly, especially during appraisal and early stages, where investment decisions must balance technical risk and return. Meeting these demands requires strong engineering fundamentals, innovation, collaboration, and the effective use of emerging technologies.

This two-day workshop will bring together industry experts to share insights on emerging challenges and trends, including deepwater flow assurance strategies, chemical and thermal management, digital monitoring, and integrated system optimisation, while highlighting collaboration to improve efficiency, manage risk, and unlock value in complex frontier environments.



GAIN INSIGHTS into optimising flow assurance across deepwater, ultra-deepwater, and frontier environments.



EXPLORE how innovative technologies, digital monitoring, and predictive tools are transforming flow assurance strategies to improve efficiency and reliability.



RECOGNISE the importance of integrated subsurface-to-surface system optimisation for safe, cost-effective, and sustainable production.



NETWORK AND EXCHANGE PRACTICAL EXPERIENCES with industry experts, fostering collaboration and strategic partnerships across diverse disciplines.

Who Should Attend?

 **ANALYTICAL CHEMISTRY AND MICROBIOLOGISTS**

 **ASSET MANAGEMENT**

 **FLOW ASSURANCE**

 **DATA SCIENCE**

 **DOWNSTREAM OPERATIONS**

 **FRONT END ENGINEERING**

 **OPERATION**

 **PROCESS ENGINEERING**

 **PRODUCTION CHEMISTRY**

 **PRODUCTION ENGINEERING AND TECHNOLOGY**

 **PROJECT MANAGEMENT**

 **RESEARCH AND DEVELOPMENT**

 **RESERVOIR ENGINEERING**

 **RESERVOIR SOURING STUDIES**

OUR COMMITTEE MEMBERS

Take a look at Committee Members from well-known organisations in the industry

NOT AN SPE MEMBER?

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

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Programme Schedule

TUESDAY, 8 SEPTEMBER 2026

0800 – 0850 hours	Registration and Welcome Refreshments
0850 – 0900 hours	Safety Announcement
0900 – 1000 hours	Welcome Remarks and Keynote Address
1000 – 1030 hours	Group Photo/Coffee and Tea Break
1030 – 1130 hours	Panel Session 1: Navigating Technological and Operational Frontiers in Flow Assurance
1130 – 1200 hours	Knowledge Sharing ePoster Session
1200 – 1300 hours	Networking Luncheon
1300 – 1500 hours	Session 1: Cost-Effective Management of Subsurface-to-Surface System Complexity
1500 – 1530 hours	Coffee and Tea Break
1530 – 1730 hours	Session 2: Data Quality, Collaboration and Production System Reliability in Flow Assurance
1730 – 1830 hours	Knowledge Sharing ePoster Session
1830 hours onwards	Welcome Dinner

WEDNESDAY, 9 SEPTEMBER 2026

0800 – 0900 hours	Registration and Welcome Refreshments
0900 – 1000 hours	Panel Session 2: Strategic Collaboration: A Catalyst for Advancing Flow Assurance
1000 – 1015 hours	Coffee and Tea Break
1015 – 1215 hours	Session 3: Chemical Treatment Strategies for Scale, Corrosion, Microbial Control and Flow Assurance
1215 – 1315 hours	Networking Luncheon
1315 – 1515 hours	Session 4: Digitalisation and Intelligent Solutions in Flow Assurance
1515 – 1530 hours	Coffee and Tea Break
1530 – 1730 hours	Session 5: Flow Assurance Challenges for Energy Transition Fluids and CCS
1730 – 1800 hours	Workshop Summary and Closing Remarks

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Tuesday, 8 September 2026

0900 - 1000

Welcome Remarks



WELCOME REMARKS

Amir Sani Abdul Bak
Workshop Co-chair
Head of Production Chemistry
PETRONAS Carigali Sdn. Bhd.



WELCOME REMARKS

Anwarudin Saidu Mohamed
Workshop Advisor
Chief Executive Officer - RL Solutions
Reservoir Link

1000 - 1030 | **GROUP PHOTO/COFFEE AND TEA BREAK**

1030 - 1130

PANEL SESSION 1: NAVIGATING TECHNOLOGICAL AND OPERATIONAL FRONTIERS IN FLOW ASSURANCE

Moderator: Amir Sani, Head of Production Chemistry, **PETRONAS Carigali Sdn. Bhd.**

This panel will explore how advanced flow assurance technologies will support increasingly complex production systems, focusing on reliability, operational risk, and performance in frontier environments through modelling, monitoring and integrated solutions.

1130 - 1200 | **KNOWLEDGE SHARING EPOSTER SESSION**

1200 - 1300 | **NETWORKING LUNCHEON**

1300 - 1500

SESSION 1: COST-EFFECTIVE MANAGEMENT OF SUBSURFACE-TO-SURFACE SYSTEM COMPLEXITY

Session Managers: Gerard Runham, Principal, Production Chemist, **PETRONAS Carigali Sdn. Bhd.**; Astriyana Anuar, Head Process & Flow Assurance, **PETRONAS Carigali Sdn. Bhd.**; Raihan Rozlee, Staff Process Engineer, **PETRONAS**; Jasvinder Singh, Technical Sales, **Weatherford**

This session will explore cost-effective strategies to manage complex subsurface-to-surface production systems, focusing on flow assurance reliability and performance, while addressing deepwater challenges and balancing operational and economic constraints.

1500 - 1530 | **COFFEE AND TEA BREAK**

1530 - 1730

SESSION 2: DATA QUALITY, COLLABORATION AND PRODUCTION SYSTEM RELIABILITY IN FLOW ASSURANCE

Session Managers: Craig Kelly, Regional Sales & Service Manager APAC, **Champion-X**; Devandran Sivasubramaniam, Technical Director, **Geopetro**; Kanthavel Renganathan, Business Manager Upstream Analytics, **Petrotechnical Inspection (M) Sdn Bhd**; Suzalina Zainal, Principal (Production Chemistry), **PETRONAS Carigali Sdn. Bhd.**; Luky Hendraningrat, Senior Scientist, TP Reservoir Technology, **PETRONAS**
This session will explore how data and collaborative approaches can strengthen system reliability and drive more efficient operations. It will examine the role of robust PVT data and the application of risk-based frameworks to optimise CAPEX-OPEX trade-offs.

1730 - 1830 | **KNOWLEDGE SHARING EPOSTER SESSION**

1830 - 2000 | **NETWORKING DINNER**

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Wednesday, 9 September 2026

0900 - 1000

PANEL SESSION 2: STRATEGIC COLLABORATION: A CATALYST FOR ADVANCING FLOW ASSURANCE

Moderator: Amir Sani, Head of Production Chemistry, **PETRONAS Carigali Sdn. Bhd.**

This panel will explore how partnerships across operators, contractors and technology providers and SMEs can enable integrated, flexible flow assurance strategies, particularly in early-phase developments to support decision making.

1000 - 1015 | COFFEE AND TEA BREAK

1015 - 1215

SESSION 3: CHEMICAL TREATMENT STRATEGIES FOR INTEGRITY AND FLOW ASSURANCE

Session Managers: Mark Gough, Business Development Manager, **Clariant Oil Services**; Lakshmi Narayana, Production Technology (Flow Assurance/Production Chemistry), **PETRONAS**; Noorazlenawati Borhan, Staff, Production Chemistry, **PETRONAS Carigali Sdn. Bhd.**; Matt Streets, Principal Scientist and Director, **Rawwater Engineering Company Limited**; M Farouk Ibrahim, Senior Chemist, **Vestigo Petroleum**

This session will explore production chemistry strategies to optimise production and mitigate microbial risks. Discussions will cover produced water management, hydrates, nanotechnology, eco-conscious inhibitors and chemical optimisation solutions.

1215 - 1315 | NETWORKING LUNCHEON

1315 - 1515

SESSION 4: DIGITALISATION AND INTELLIGENT SOLUTIONS IN FLOW ASSURANCE

Session Managers: Abigail Lian De Cruz, Production Chemist, **PETRONAS Carigali Sdn. Bhd.**; Tuan Mohd Yusoff, Principal, Process and Flow Assurance, **PETRONAS Carigali Sdn. Bhd.**; Khor Siak Foo, Senior Staff Engineer, Flow Assurance, **PTTEP Sarawak Oil Limited**; Azwan Shaharun, Service Manager, Production and Flow Assurance, **SLB**; Rena Alia Ramdzani, Senior Production, Engineer, **SLB**

This session will discuss how digitalisation and intelligent solutions are transforming flow assurance through predictive, automated and cost-effective operations. Discussions will cover real-time monitoring, advanced modelling and digital innovations from R&D to deployment.

1515 - 1530 | COFFEE AND TEA BREAK

1530 - 1730

SESSION 5: FLOW ASSURANCE CHALLENGES FOR ENERGY TRANSITION FLUIDS AND CCS

Session Managers: Murni Shaharom, Director and Flow Assurance Lead, **Agile Energy**; Derric Ong, Regional Manager - Asia Pacific & Oceania, **Calsep Asia Pacific Sdn. Bhd.**; Ngo Nguyet Tran, Senior Advisor, **GHD**; Doli Hasyda, Senior specialist, Innovation and Process Facility, **Pertamina Hulu Energi**; Siti Rohaida, Principal Researcher (Production Chemistry), **PETRONAS Research**; Sulaimon Adebayo, Senior Lecturer, **Universiti Teknologi PETRONAS**

This session will explore flow assurance challenges in hydrogen, ammonia, and CCS systems, including multiphase behaviour, impurities, and corrosion risks, while applying lessons learnt from hydrocarbon systems to support infrastructure reuse and reliable operations.

1730 - 1800 | WORKSHOP SUMMARY CLOSING AND REMARKS

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*Include 1 Oblong Table + 2 Chairs

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