SPE WORKSHOP

8-9 JULY 2025 | KUALA LUMPUR, MALAYSIA













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Challenges in Managing Mercury in Field Development and Production

Mercury recovery and commercialisation offer a valuable opportunity to enhance field development economics. Recovered mercury can be stabilised, commercialised, and sold as a product, or recycled for use in other industries. This approach not only creates a potential revenue stream but also reduces the need for costly and environmentally harmful mercury disposal. By turning waste into valuable products, this contributes to a more sustainable, circular economy.

This workshop will provide a comprehensive overview of the latest trends, regulatory requirements, and proven strategies for improving mercury management in field development and production. Participants will engage with industry experts, researchers, and professionals to discuss innovative technologies, best practices for mercury removal, and effective risk mitigation strategies.



GAIN A COMPREHENSIVE UNDERSTANDING of the

latest trends, regulatory requirements, and best practices for managing mercury in field development and production.



EXPLORE INNOVATIVE TECHNOLOGIES, including

mercury recovery methods, that reduce environmental impact while enhancing field development economics and supporting a circular economy.



ENGAGE with industry experts and professionals to exchange knowledge, discuss effective mercury removal strategies, and optimise the design and installation of Mercury Removal Units (MRUs) to meet customer specifications and regulatory compliance.



₩ Who Should Attend?

ASSET MANAGEMENT

■ BUSINESS DEVELOPMENT

₹ CHEMICAL ENGINEERING

! CONTAMINANTS MANAGEMENT

■ DIGITAL TECHNOLOGIES

EXPLORATION AND PRODUCTION

₱ FRONT END ENGINEERING

■ GEOCHEMIST/GEOLOGICAL

HEALTH, SAFETY, ENVIRONMENT,
AND SUSTAINABILITY (HSES)

LABORATORY AND TREATMENT

MATERIALS AND CORROSION
MANAGEMENT

■ MECHANICAL ENGINEERING

♣ PROCESS ENGINEERING

■ PRODUCTION CHEMISTRY

■ PROJECT MANAGEMENT

■ RESEARCH AND DEVELOPMENT

■ SUBSURFACE ENGINEERING

WELL, RESERVOIR AND FACILITIES MANAGEMENT

GET TO KNOW OUR COMITTEE MEMBERS

Take a look at the Committee Members from well known organisation in the Industry



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











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Programme Schedule

TUESDAY, 8 JULY 2025				
0800 - 0900	Registration			
0900 - 0930	Opening and Keynote Session			
0930 - 1100	Panel Session: Mercury Reimagined: From Misconception to Opportunity			
1100 - 1130	Group Photo / Coffee Break			
1130 - 1300	Session 1: Best Practices for Mercury Sampling, Testing, Prediction and Speciation			
1330 - 1430	Networking Luncheon			
1430 - 1630	Session 2: Innovations, Future Trends, and Technological Advancements in Mercury Management			
1630 - 1700	Coffee Break			
1700 - 1730	ePoster Session			
1730 - 1830	Networking Reception			

WEDNESDAY, 9 JULY 2025	5
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0830 - 0900	Registration
0900 - 1100	Session 3: Regulatory Requirements and Compliance Strategies
1100 - 1130	Coffee Break
1130 - 1330	Session 4: Sustainable Solutions for Managing Mercury through Circular Economy Approach
1330 - 1430	Networking Luncheon
1430 - 1630	Session 5: Case Studies on Successful Mercury Management
1630 - 1645	Coffee Break
1645 - 1715	Workshop Summary and Closing Remarks

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Tuesday, 8 July 2025

0900 - 0930

Welcome Remarks and Keynote Address



WELCOME REMARKS

Ana Hasrinatullina Bt M Basri Workshop Co-chair Senior Manager (Contaminants Management) Hydrocarbon By-Products Optimization (HBO) Department, Upstream HSE Division

PETRONAS Carigali Sdn. Bhd.



OPENING REMARKS

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



KEYNOTE SPEAKER

Mohd Muslim Bin Jusoh General Manager, Production Delivery – Peninsular Malaysia, Production & Operations Management, Malaysia Petroleum Management, PETRONAS

0930 - 1100

PANEL SESSION: MERCURY REIMAGINED: FROM MISCONCEPTION TO OPPORTUNITY

Speakers: Ir. Ts. Hazlina Yon, Director of Chemical Management Division, Department of Occupational Safety and Health (DOSH); Dr. Rajinderjit Singh Hullon, Deputy Director Occupational Health Division, Department of Occupational Safety and Health (DOSH); Ir. Ts. Dr. Ridwan Bin Mokhtar, Senior Manager, Production Delivery (Gas), Malaysia Petroleum Management, PETRONAS; Dr. Shanmuga Kittappa, Manager, Research and Development, Cenviro Sdn. Bhd.

Moderators: Ana Hasrinatullina Bt M Basri, Senior Manager (Contaminants Management) Hydrocarbon By-Products Optimization (HBO) Department, Upstream HSE Division, PETRONAS Carigali Sdn. Bhd.; Amir Sani Abdul Bak, Head of Production Chemistry, PETRONAS Carigali Sdn. Bhd.

1100 - 1130 | GROUP PHOTO/COFFEE BREAK

1130 - 1330

SESSION 1: BEST PRACTICES FOR MERCURY SAMPLING, TESTING, PREDICTION AND SPECIATION

Session Managers: Tan Wan Ling, Hibiscus Petroleum; Abd Rasyid Mad Marjuki, Hibiscus Petroleum; Thanawut Worawutthichanyakul, PTT Exploration and Production Limited; Heidi Albrecht, Shell Exploration and Production

Explore best practices for mercury sampling, testing, and prediction in oil and gas operations, covering subsurface, upstream, and downstream environments, with a focus on effective methods, advanced testing techniques, and predictive modelling.

1330 - 1430 | NETWORKING LUNCHEON

1430 - 1630

SESSION 2: INNOVATIONS, FUTURE TRENDS, AND TECHNOLOGICAL ADVANCEMENTS IN MERCURY MANAGEMENT

Session Managers: Suzalina Zainal, PETRONAS; Khairiraihanna Johari. Universiti Teknologi PETRONAS

Explore latest innovations in mercury proactive and reactive interventions, which may include prediction, detection, capture, removal, and other mitigation strategies, focusing on emerging materials, integrated treatment approaches, and process optimisations.

1630 - 1700 | COFFEE BREAK

1700 - 1730 | EPOSTER SESSION

1730 - 1830 | NETWORKING RECEPTION

Wednesday, 9 July 2025

0900 - 1100

SESSION 3: REGULATORY REQUIREMENTS AND COMPLIANCE STRATEGIES

Session Managers: Terath Kumar Omporkas, PETRONAS; Stuart McKay, Woodside Energy

Examine the diverse regulatory landscape of mercury management across ASEAN, highlighting its impact on compliance strategies in oil and gas operations. This session will cover best practices in monitoring, reporting, and remediation, and provide insights into navigating strict regulations, addressing enforcement gaps, and engaging stakeholders.

1100 - 1130 | COFFEE BREAK

1130 - 1330

SESSION 4: SUSTAINABLE SOLUTIONS FOR MANAGING MERCURY THROUGH CIRCULAR ECONOMY APPROACH

Session Managers: Huai Zhi Loo, PETRONAS; Suriati binti Sufian, Universiti Teknologi PETRONAS; Dzeti Farhah Mohshim, Universiti Teknologi PETRONAS

Discover innovative, circular economy-driven solutions for mercury capture, recovery, and recycling. Gain practical insights into scalable strategies and best practices for sustainable mercury management in the oil and gas industry.

1330 - 1430 | NETWORKING LUNCHEON

1430 - 1630

SESSION 5: CASE STUDIES ON SUCCESSFUL MERCURY MANAGEMENT

Session Managers: Juhaida Mohd Johar, PETRONAS; Hanto Yananto, PT Pertamina Hulu Energi

Discover practical strategies for effective mercury management, focusing on advanced monitoring and removal technologies, regulatory adaptation, and safety. Gain insights from real-world challenges and successes to improve risk mitigation, asset integrity, and operational efficiency.

1630 - 1645 | COFFEE BREAK

1645 - 1715 | WORKSHOP SUMMARY AND CLOSING REMARKS







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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

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Reinforce your organisation's relationships with key industry practitioners



Demonstrate Commitment

Demonstrate your commitment to the industry through support



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.













Challenges in Managing Mercury in Field Development and Production

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.

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