

## SPE WORKSHOP

29-30 SEPTEMBER 2025 | KUALA LUMPUR, MALAYSIA



# Methane and Fugitive Emissions Management – Innovative Strategies for Methane Detection, Mitigation, and Cost-Effective Solutions

REGISTER TODAY



# METHANE AND FUGITIVE EMISSIONS MANAGEMENT - INNOVATIVE STRATEGIES FOR METHANE DETECTION, MITIGATION, AND COST-EFFECTIVE SOLUTIONS

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## About the Workshop

### SPE Workshop: Methane and Fugitive Emissions Management – Innovative Strategies for Methane Detection, Mitigation, and Cost-Effective Solutions

We explore the latest advancements in detection, measurement and quantification technologies, mitigation strategies, and cost-effective solutions to reduce methane emissions. With increasing global focus on regulatory compliance, ESG commitments, and operational efficiency, this workshop provides a unique platform to discuss cutting-edge innovations, best practices, and real-world case studies from across the energy sector. Gain insights into emerging technologies, policy trends, and industry collaborations that are driving methane reduction efforts while maintaining commercial viability. Whether you are involved in operations, sustainability, regulatory compliance, or technology development, this workshop offers valuable knowledge-sharing and networking opportunities to help you stay ahead in an evolving energy landscape.



#### MASTER MEASUREMENT, REPORTING AND VERIFICATION (MRV) BEST PRACTICES

Gain in-depth insights into accurate methane quantification, emissions tracking and regulatory reporting to meet global standards.



#### EXPLORE CUTTING-EDGE DETECTION AND MONITORING TECHNOLOGIES

Discover the latest AI-driven leak detection, satellite-based monitoring and real-time sensing solutions to enhance operational efficiency and minimise fugitive emissions.



#### LEARN COST-EFFECTIVE METHANE MITIGATION AND REDUCTION STRATEGIES

Understand practical solutions such as flaring reduction, methane capture and utilisation, and leak prevention technologies to balance profitability with sustainability.



#### ENGAGE WITH GLOBAL EXPERTS AND INDUSTRY LEADERS

Connect with operators, regulators, technology providers and policymakers to share best practices, discuss collaborative solutions and drive industry-wide methane reduction efforts.



## Who Should Attend?

- |  |  |
|--|--|
|  <b>ASSET INTEGRITY</b>                             |  <b>PROCESS AND CHEMICAL</b>                |
|  <b>ENVIRONMENTAL, SOCIAL, AND GOVERNANCE (ESG)</b> |  <b>EMISSION MONITORING AND MEASUREMENT</b> |
|  <b>HSE (HEALTH, SAFETY, AND ENVIRONMENT)</b>       |  <b>TECHNOLOGY PROVIDERS AND SOLUTION</b>   |
|  <b>REGULATORY AND COMPLIANCE</b>                   |  <b>SUSTAINABILITY AND CLIMATE CHANGE</b>   |
|  <b>CARBON MANAGEMENT AND DECARBONISATION</b>       |  <b>GOVERNMENT AND REGULATORY AGENCIES</b>  |
|  <b>OPERATIONS AND MAINTENANCE</b>                  |  <b>RESEARCH AND ACADEMIA</b>               |
|  <b>FACILITIES AND PLANT</b>                        |  <b>CONSULTANTS AND INDUSTRY ADVISORS</b>   |
|  <b>RESERVOIR AND PRODUCTION</b>                    |  |

OUR  
COMMITTEE  
MEMBERS

Get to know the Committee Members that shapes the programme.

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## Programme Schedule

### MONDAY, 29 SEPTEMBER 2025

0800 – 0850	Registration and Welcome Refreshments
0850 – 0900	<b>Safety Announcement by Hotel</b>
0900 – 0915	Welcome Remarks
0915 – 0945	<b>Keynote Session: Innovative Strategies for Methane Detection, Mitigation, and Cost-Effective Solutions</b>
1000 – 1030	Group Photo/Coffee and Tea Break
1030 – 1200	<b>Panel Session: Technology vs Value: Striking the Right Balance in Methane Management</b>
1200 – 1300	Networking Luncheon
1300 – 1500	<b>Technical Session 1: Innovation, Technologies, and Future Trends in Methane Detection, Emission Control, and Management</b>
1500 – 1530	Coffee and Tea Break/ePoster Session
1530 – 1730	<b>Technical Session 2: Cost-Effective Mitigation &amp; Reduction Solutions for Methane Management</b>
1730 – 1830	Networking Reception

### TUESDAY, 30 SEPTEMBER 2025

0900 – 1200	<b>Technical Session 3: Best Practices in Operational Methane Management</b>
1030 – 1100	<b>Coffee and Tea Break/ePoster Session</b>
1200 – 1300	Networking Luncheon
1300 – 1315	<b>SPE GAIA Sustainability Programme Presentation</b>
1315 – 1545	<b>Technical Session 4: Fugitive Emissions Measurement and Quantification</b>
1530 – 1600	<b>Coffee and Tea Break/ePoster Session</b>
1545 – 1615	<b>Technical Presentation: CLEAN Initiative: A partnership between LNG importers and exporters to enhance methane management along the value chain</b>
1615 – 1800	<b>Strategic Session: Collaboration and Industry Partnerships</b>
1800 – 1815	Workshop Summary and Closing Remarks

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## Monday, 29 September 2025

0900 - 1000

Welcome Remarks and Keynote Address



### WELCOME REMARKS

Hasnor Hassaruddin Hashim  
Workshop Co-chair  
Process Control & Optimization, Group  
Technical Solutions / Methane Taskforce Lead  
**PETRONAS**



### WELCOME REMARKS

Pongkit Luksamepicheat  
Workshop Co-chair  
Sustainability and Decarbonisation  
**PTT Exploration and Production Public Company Limited (PTTEP)**



### WELCOME REMARKS

King Hung Hii  
Workshop Co-Chair  
Business Transformation and  
Energy Transition Lead  
**Sarawak Shell Berhad**



### KEYNOTE SPEAKER

**KEYNOTE SESSION: INNOVATIVE STRATEGIES FOR METHANE DETECTION, MITIGATION, AND COST-EFFECTIVE SOLUTIONS**  
Siti Rafidah Moslim  
Senior General Manager Capability & Embedment Corporate Sustainability  
**PETRONAS**

1000 - 1030

GROUP PHOTO /  
COFFEE AND TEA BREAK

1030 - 1200

### PANEL SESSION: TECHNOLOGY VS VALUE: STRIKING THE RIGHT BALANCE IN METHANE MANAGEMENT

Speakers: Patricia Seevam, GM Business Transformation and Energy Transition, **Sarawak Shell Berhad**; Benjamin Choo, Senior Vice President, Safety, Security, Health and Environment (SSHE), **PTT Exploration and Production Public Company Limited (PTTEP)**; Liu Yi Yeoh, HSSE and Sustainability Director, **TotalEnergies EP Malaysia**  
*As methane reduction grows in importance for sustainability, this panel will gather senior leaders to discuss balancing advanced technologies with cost-effective solutions. The session will explore real challenges and strategies for impactful, efficient emissions cuts.*

1200 - 1300

NETWORKING LUNCHEON

1300 - 1500

### TECHNICAL SESSION 1: INNOVATION, TECHNOLOGIES, AND FUTURE TRENDS IN METHANE DETECTION, EMISSION CONTROL, AND MANAGEMENT

*This session will explore emerging technologies in methane detection, measurement, and control, highlighting innovations in sensors, satellite and drone monitoring, AI, and automation. Learn how digital tools are shaping the future of methane emissions management.*

1500 - 1530

COFFEE BREAK /  
EPOSTER SESSION

1530 - 1730

### TECHNICAL SESSION 2: COST-EFFECTIVE MITIGATION & REDUCTION SOLUTIONS FOR METHANE MANAGEMENT

*Achieving methane reduction targets requires scalable and cost-effective solutions. This session will explore practical technologies, strategies, and field practices that reduce emissions while maintaining efficiency—focusing on retrofits, repairs, and data-driven approaches.*

1730 - 1830

NETWORKING RECEPTION

## Tuesday, 30 September 2025

0900 - 1200

### SESSION 4: BEST PRACTICES IN OPERATIONAL METHANE MANAGEMENT

*Learn how operators integrate methane management across operations. Topics will include LDAR, inspections, design improvements, training, and collaboration to reduce emissions and support sustainability.*

1030 - 1100

COFFEE AND TEA BREAK /  
EPOSTER SESSION

1200 - 1300

NETWORKING LUNCHEON

1300 - 1315

### SPE GAIA SUSTAINABILITY PROGRAMME PRESENTATION

1315 - 1545

### TECHNICAL SESSION 4: FUGITIVE EMISSIONS MEASUREMENT AND QUANTIFICATION

*This session will explore key methods for detecting and quantifying fugitive methane emissions. Topics will include top-down and bottom-up approaches, on-site monitoring, remote sensing, and data integration. The session will highlight evolving standards and practices for accurate, transparent reporting.*

1530 - 1600

COFFEE AND TEA BREAK /  
EPOSTER SESSION

1545 - 1615

### TECHNICAL PRESENTATION: CLEAN INITIATIVE: A PARTNERSHIP BETWEEN LNG IMPORTERS AND EXPORTERS TO ENHANCE METHANE MANAGEMENT ALONG THE VALUE CHAIN

1615 - 1800

### STRATEGIC SESSION: COLLABORATION AND INDUSTRY PARTNERSHIPS

Speakers: Representatives from International Energy Agency (IEA) and Oil & Gas Decarbonization Charter (OGDC); Satoru Takahashi, Director General (International Cooperation), **JOGMEC**; Harshit Agrawal, Senior Gas Specialist, **The World Bank**  
*This session will gather key stakeholders to explore how collaboration across government, operators, service providers, and research can accelerate innovation, align policies, and scale practical solutions for methane reduction through cross-sector partnerships.*

1800 - 1815

WORKSHOP SUMMARY AND  
CLOSING REMARKS

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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 Jessica Tan at [jt看@spe.org](mailto:jt看@spe.org) to verify the availability of a particular sponsorship package.



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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.

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For a detailed list of available sponsorships, including benefits and pricing, contact Jessica Tan at [jtan@spe.org](mailto:jtan@spe.org).

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