



EAGE

EAGE SYMPOSIUM ON SUBSURFACE INTELLIGENCE:

HARNESSING AI/ML TO MAXIMISE ASSET VALUE

22-23 SEPTEMBER 2026 | KUALA LUMPUR | MALAYSIA

FIRST ANNOUNCEMENT

WWW.EAGE.ORG

ABOUT THE SYMPOSIUM

The global energy industry is undergoing rapid transformation driven by cost pressures, maturing assets, decarbonisation, and increasing expectations for technical certainty. In this environment, artificial intelligence (AI) and machine learning (ML) have moved from experimental tools to strategic capabilities that can fundamentally reshape subsurface decision-making.

The EAGE Symposium on Subsurface Intelligence: Harnessing AI/ML to Maximise Asset Value is designed as a high-impact technical forum bringing together geoscientists, reservoir engineers, data scientists, technology providers, and researchers to explore how AI can be sustainably embedded into subsurface workflows — from exploration and development to production optimisation and carbon storage. Successful AI adoption requires more than tools. It demands new skills, new workflows, and new ways of working. This Symposium also focuses on the people and process dimensions of AI transformation alongside technology.

VISION AND PURPOSE

- Highlight state-of-the-art AI/ML applications across subsurface and geoscience domains
- Demonstrate how AI-driven intelligence unlocks value in brownfields, frontier plays, and CCUS projects
- Bridge domain expertise and data science through collaborative methodologies
- Address AI adoption as a socio-technical transformation of People, Process, and Technology
- Share success stories, failures, and lessons learned from real-world deployments
- Explore emerging frontiers including agentic AI and physics-bounded AI systems
- Support capability building and skills transformation for sustainable AI adoption



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CALL FOR ABSTRACTS

The Call for Abstracts for the **EAGE Symposium on Subsurface Intelligence: Harnessing AI/ML to Maximise Asset Value** is open now! The submission deadline is set to **Friday, 15 May 2026, 2359 hrs (GMT+8)**. After this date, it is no longer possible to add submissions.

Please scan the QR code to visit the event website and learn more information on abstract submission.





TOPICS

1. AI/ML for Subsurface Imaging and Interpretation

- ML-based seismic inversion and attribute extraction
- Automated fault, fracture, and stratigraphic interpretation
- Imaging enhancement in complex geological settings
- Uncertainty-aware interpretation using probabilistic AI

2. Reservoir Characterisation and Prediction

- Digital core analysis and rock typing using ML
- AI-enabled petrophysical interpretation workflows
- Probabilistic reservoir modelling and upscaling
- Physics-Informed Neural Networks (PINNs) for constrained property prediction
- Automated facies and reservoir architecture prediction

3. Drilling, Development and Production Optimisation

- Real-time drilling optimisation and hazard prediction
- Intelligent completion and development planning
- AI-driven production surveillance and forecasting
- Autonomous reservoir management concepts

4. AI for Mature Assets and Brownfields

- Identifying bypassed pay using AI-assisted interpretation
- Decline forecasting and life-of-field optimisation
- Intelligent workover and enhanced recovery planning

5. Agentic AI in Subsurface and Geoscience Workflows

- Autonomous interpretation and QC assistants
- Multi-agent collaboration across disciplines
- Hybrid physics–AI agents for reliable decision support
- Governance, trust, and deployment challenges

6. Cloud, Data Platforms & Digital Infrastructure

- Unified subsurface data ecosystems
- Interoperability between legacy and modern AI platforms
- High-performance computing for large-scale models
- Data governance and cybersecurity

7. AI for CCUS and Low-Carbon Subsurface Applications

- Injection plume prediction and monitoring
- Seal integrity and containment assessment
- Risk modelling and scenario evaluation using AI

8. AI Capability Building, Skills & Organisational Readiness

- AI literacy for geoscientists and engineers
- Developing hybrid AI–domain professionals
- Human–AI collaboration models
- Trust, explainability, and validation workflows
- Capability maturity models for AI adoption
- Leadership and cultural transformation

9. Process Transformation and AI-Enabled Ways of Working

- Redesigning interpretation and modelling cycles with AI
- Continuous AI-augmented workflows
- Human-in-the-loop vs human-on-the-loop models
- Integrating AI into technical assurance and governance
- Embedding AI into business decision-making

SPONSORSHIP

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This event is a great opportunity to obtain the latest information on developments in the industry and expand your network and exchange ideas, meanwhile sponsorship enhances your visibility and corporate image before an international audience. Companies are invited to participate in the sponsorship of the **EAGE Symposium on Subsurface Intelligence: Harnessing AI/ML to Maximise Asset Value** and achieve high visibility in a qualitative and uncluttered environment.

The programme offers a diverse investment that's sure to help you reach your target audience.

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- Associate your company with EAGE – the world's truly multi-disciplinary geoscience and engineering society

For information on sponsorship packages, please contact EAGE Asia Pacific office at asiapacific@eage.org or call us at +603 2722 0140.

UPCOMING EVENTS

28-29

APR 2026

**2ND EAGE WORKSHOP ON NEW
DISCOVERIES IN MATURE BASINS**
KUALA LUMPUR, MALAYSIA

11-13

MAY 2026

**8TH ASIA PACIFIC MEETING ON NEAR
SURFACE GEOSCIENCE & ENGINEERING
(NSGE)**
BANDUNG, INDONESIA

28-29

JULY 2026

**EAGE WORKSHOP ON EXPLORATION
AND OPPORTUNITIES IN THE
PALEOGENE PLAY**
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