

SPE WORKSHOP

21-22 OCTOBER 2025 | SHANGHAI, CHINA



Collaborative Geological-Engineering Integration for Unconventional Reservoir Development

REGISTER TODAY



COLLABORATIVE GEOLOGICAL-ENGINEERING INTEGRATION FOR UNCONVENTIONAL RESERVOIR DEVELOPMENT

21-22 OCTOBER 2025 | SHANGHAI, CHINA

About the Workshop

SPE Workshop: Collaborative Geological-Engineering Integration for Unconventional Reservoir Development

Recent technological advances have revolutionised geological and engineering integration in unconventional resource development. Tools such as 3D seismic imaging, microseismic monitoring and AI-driven analytics improve subsurface understanding, while advanced petrophysical evaluations enhance reservoir characterisation. Innovations in data-driven fracturing, real-time diagnostics and advanced completion strategies increase well productivity. Meanwhile, machine learning in production forecasting and reservoir simulation enables predictive decision-making, reducing uncertainties and costs.

This workshop fosters multidisciplinary collaboration and innovation to address key challenges—from reservoir characterisation and well placement to fracturing and production optimisation—ultimately enabling sustainable and cost-effective outcomes



GAIN INSIGHTS

into emerging projects and key challenges to stay at the forefront of unconventional resources development



FOSTER CROSS-DISCIPLINARY COLLABORATION

to drive informed decision-making and promote sustainable and cost-effective resource development



EXPLORE

cutting-edge technologies and innovative solutions to transform geological-engineering integration in unconventional energy landscape.



NETWORK AND ENHANCE

perspectives by connecting with industry professionals and subject matter experts



Who Should Attend?

 **DIGITAL AND DATA SCIENCE**

 **DRILLING AND COMPLETION**

 **FRACTURING**

 **FRONT END ENGINEERING AND DEVELOPMENT**

 **GEOSCIENCE**

 **HEALTH, SAFETY, AND ENVIRONMENT**

 **OPERATIONS AND PROCESS ENGINEERING**

 **PRODUCTION ENGINEERING AND OPTIMISATION**

 **PROJECT DELIVERY**



RESEARCH AND ACADEMIA



RESERVES MANAGEMENT



RESERVOIR CHARACTERISATION, MODELLING, EVALUATION AND MANAGEMENT



RESERVOIR ENGINEERING, SIMULATION AND ROCK MECHANICS



SUBSEA AND SUBSURFACE MANAGEMENT



UNCONVENTIONAL RESOURCES



WELLS MANAGEMENT

OUR COMMITTEE MEMBERS

Get to know the Committee Members that shapes the programme.

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, 21 OCTOBER 2025

0800 – 0850	Registration and Welcome Refreshments
0850 – 0900	Safety Announcement
0900 – 1000	Welcome Remarks and Keynote Address
1000 – 1030	Group Photo/Coffee and Tea Break
1030 – 1200	Session 1: Geological Theories and Evaluation Methods for Coal Rock Gas
1200 – 1400	Networking Luncheon
1400 – 1530	Session 2: Development Theories and Key Technologies for Coal Rock Gas
1530 – 1600	Expert Presentation I
1600 – 1630	Coffee and Tea Break
1630 – 1800	Session 3: Geological and Engineering Evaluation for Continental Shale Oil
1800 onwards	Welcome Dinner

WEDNESDAY, 22 OCTOBER 2025

0800 – 0900	Registration and Welcome Refreshments
0900 – 0930	Expert Presentation II
0930 – 1000	Expert Presentation III
1000 – 1030	Coffee and Tea Break
1030 – 1200	Session 4: Development Theories and Key Technologies for Continental Shale Oil
1200 – 1400	Networking Luncheon
1400 – 1530	Session 5: Intelligent Digital Technologies for Integrating Geological and Engineering Workflows in Unconventional Oil and Gas
1530 – 1600	Coffee and Tea Break
1600 – 1730	Session 6: Project Management for Unconventional Oil and Gas Assets
1730 – 1800	Workshop Summary and Closing Remarks
1800 onwards	Networking Dinner

HOST



REGISTER TODAY

VIEW FULL
TECHNICAL
PROGRAMME

Visit our website to view full technical programme today!

SAVINGS
AVAILABLE

Early Bird and Group Registration Savings Available.

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Tuesday, 21 October 2025

0900 - 1000

Welcome Remarks and Keynote Address



WELCOME REMARKS

DOU Lirong

Workshop Co-Chair

Executive Director and President

Research Institute of Petroleum Exploration and Development (RIPED), CNPC



WELCOME REMARKS

CAO Jun

Workshop Co-Chair

Vice President, Well Operations

ConocoPhillips China Inc.

1000 - 1030

GROUP PHOTO /
COFFEE AND TEA BREAK

1030 - 1200

SESSION 1: GEOLOGICAL THEORIES AND EVALUATION METHODS FOR COAL ROCK GAS

Session Managers: DENG Rongjing, Adam, ConocoPhillips China Inc.; JIN Xu, RIPED, CNPC

This session will examine advances in geology and evaluation for coal rock gas exploration, focusing on petroleum system unification, target selection, and sweet spot evaluation, while promoting a systematic framework and standards for next-generation exploration.

1200 - 1400

NETWORKING LUNCHEON

1400 - 1530

SESSION 2: DEVELOPMENT THEORIES AND KEY TECHNOLOGIES FOR COAL ROCK GAS

Session Managers: YU Huijuan, Jenny, Baker Hughes; WEI Yunsheng, RIPED, CNPC; LUO Yin, SLB

This session will explore fluid flow and migration in coal-bearing systems, integrating geological and engineering insights to enable full-lifecycle optimisation for efficient, environmentally responsible, and technically robust coal rock gas (CRG) development.

1530 - 1600

EXPERT PRESENTATION I

1600 - 1630

COFFEE AND TEA BREAK

1630 - 1800

SESSION 3: GEOLOGICAL AND ENGINEERING EVALUATION FOR CONTINENTAL SHALE OIL

Session Managers: WANG Guangfu, Petroleum Exploration and Production Institute of Sinopec; LIU Kouqi, Peking University

This session will cover fundamental studies and sweet spot evaluation for continental shale oil, including HPHT nano/micro pore-fracture systems, accumulation mechanisms, geological-fluid dynamics, multi-scale modelling, and key factors controlling sweet spot formation.

1800 ONWARDS

WELCOME DINNER

Wednesday, 22 October 2025

0900 - 0930

EXPERT PRESENTATION II

0930 - 1000

EXPERT PRESENTATION III

1000 - 1030

COFFEE AND TEA BREAK

1030 - 1200

SESSION 4: DEVELOPMENT THEORIES AND KEY TECHNOLOGIES FOR CONTINENTAL SHALE OIL

Session Managers: ZHANG Fengyuan, China University of Petroleum, Beijing; LIU Yuxuan, Southwest Petroleum University

Continental shale oil faces challenges from depth, low permeability, and high clay content. This session will cover reservoir mechanics, fracture networks, multi-scale coupling, advanced modelling, inverse analysis, and well pattern optimisation using emerging technologies.

1200 - 1400

NETWORKING LUNCHEON

1400 - 1530

SESSION 5: INTELLIGENT DIGITAL TECHNOLOGIES FOR INTEGRATING GEOLOGICAL AND ENGINEERING WORKFLOWS IN UNCONVENTIONAL OIL AND GAS

Session Managers: ZHOU Jiheng, Baker Hughes; YANG Yongfei, China University of Petroleum (East China)

This session will explore how digital intelligence is transforming unconventional oil and gas by enhancing geological-engineering integration, improving operational efficiency, and providing a forward-looking perspective on exploration, development, and production.

1530 - 1600

COFFEE AND TEA BREAK

1600 - 1730

SESSION 6: PROJECT MANAGEMENT FOR UNCONVENTIONAL OIL AND GAS ASSETS

Session Managers: Cao Jun, ConocoPhillips China Inc.; Ramon Hu, Halliburton

This session will highlight successful practices across organisations, covering project evaluation, system engineering and management paradigms of NOCs and IOCs. Discussions will include strategies to accelerate unconventional asset management transformation in the region.

1730 - 1800

WORKSHOP SUMMARY AND
CLOSING REMARKS

1800 ONWARDS

WELCOME DINNER

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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 emails	✓	✓	✓	✓
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Option to display one company bunting**	✓	✓	✓	✓

*Include 1 Oblong Table + 2 Chairs

**Company to provide bunting

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Reinforce Relationships

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 dedicated to advancing the energy industry and empowering professionals. Revenue from this event supports SPE initiatives that drive professional growth, foster community, and deliver innovative solutions. By attending, sponsoring, or exhibiting at an SPE event, you help fund impactful programmes such as JPT, certification, the Distinguished Lecturer Programme, and Energy4me®, our energy education initiative. Together, we are advancing careers, building connections, and shaping the future of energy.



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HOST

