

SPE WORKSHOP

3-4 DECEMBER 2024 | BEIJING, CHINA



# Shale and Tight Oil Development



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## SHALE AND TIGHT OIL DEVELOPMENT

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 About the Workshop

## Shale and Tight Oil Development

In recent years, significant progress has been made in the research, engineering technologies, development practices, and management innovations of shale and tight oil. These advancements have been pivotal in unlocking vast hydrocarbon resources previously considered inaccessible or uneconomical. Major breakthroughs in hydraulic fracturing (fracking) and horizontal drilling techniques have revolutionised the industry, allowing for more efficient extraction from shale and tight oil formations.

This workshop aims to facilitate knowledge exchange, foster strategic partnerships, and share innovative solutions to address the challenges in shale and tight oil development. It will cover geological theories, cutting-edge exploration and development technologies (including marine shale extraction), and best practices in project management.



**UNCOVER** the latest developing projects and challenges in shale and tight oil development, including economic, operational, and regulatory aspects



**FOSTER COLLABORATIVE PARTNERSHIPS** to accelerate shale and tight oil technology advancement for a sustainable energy future



**EXPLORE** innovative solutions to support sustainable and efficient extraction of shale and tight oil resources



**NETWORK AND ENHANCE** perspectives by connecting with industry professionals and subject matter experts

 Who Should Attend?

-  CIVIL AND ENVIRONMENTAL ENGINEERING
-  DIGITAL AND DATA SCIENCE
-  DRILLING AND COMPLETIONS
-  FRACTURING
-  FRONT END ENGINEERING AND DEVELOPMENT
-  GEOCHEMISTRY
-  GEOLOGY AND GEOPHYSICS
-  GEOMECHANICS
-  HEALTH, SAFETY, AND ENVIRONMENT
-  PRODUCTION ENGINEERING AND OPTIMISATION
-  PROJECT DELIVERY
-  RESEARCH AND ACADEMIA
-  RESERVES MANAGEMENT
-  RESERVOIR CHARACTERISATION, MODELLING, MANAGEMENT AND EVALUATION
-  RESERVOIR ENGINEERING, SIMULATION AND ROCK MECHANICS
-  SUBSEA AND SUBSURFACE MANAGEMENT
-  UNCONVENTIONAL RESOURCES
-  WELLS MANAGEMENT



GET TO  
KNOW OUR  
COMMITTEE  
MEMBERS

Take a look at the Committee Members from well known organisation 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, 3 DECEMBER 2024

- 0800 – 0850 hours Registration and Welcome Refreshments
- 0850 – 0900 hours Safety Announcement
- 0900 – 0930 hours **Welcome Remarks and Keynote Address**
- 0930 – 1000 hours **Expert Presentation I**
- 1000 – 1030 hours Group Photo / Coffee and Tea Break
- 1030 – 1230 hours **Session 1: Geology and Geophysics**
- 1230 – 1400 hours Networking Luncheon
- 1400 – 1600 hours **Session 2: Shale Drilling and Completion (D&C) Practice and Outlook**
- 1600 – 1630 hours Coffee and Tea Break
- 1630 – 1830 hours **Session 3: Hydraulic Fracturing Design and Optimisation**
- 1830 hours onwards Networking Dinner

### WEDNESDAY, 4 DECEMBER 2024

- 0800 – 0900 hours Registration and Welcome Refreshments
- 0900 – 0930 hours **Expert Presentation II**
- 0930 – 1000 hours **Expert Presentation III**
- 1000 – 1030 hours Coffee and Tea Break
- 1030 – 1230 hours **Session 4: Shale Project Development and Optimisation Strategies**
- 1230 – 1400 hours Networking Luncheon
- 1400 – 1600 hours **Session 5: Integrating ESG for Sustainable Project Execution**
- 1600 – 1630 hours Coffee and Tea Break
- 1630 – 1830 hours **Session 6: Shale and Tight Oil Case Studies and Lessons Learnt**
- 1830 – 1845 hours **Workshop Summary and Closing Remarks**

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Early Bird and Group Registration Savings Available.

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Tuesday, 3 December 2024

0900 - 0930

Welcome Remarks and Keynote Addresses

**WELCOME REMARKS**

Dou Lirong  
Workshop Co-chair  
Executive Director and President  
**Research Institute of Petroleum  
Exploration and Development  
(RIPED), CNPC**

**WELCOME REMARKS**

Oscar Bustos  
Workshop Co-chair  
Senior Vice President, Unconventional  
**ADNOC**

**KEYNOTE SPEAKER**

Tongwen Jiang  
Chief Geologist, **PetroChina**  
Director-General, R&D Department  
**CNPC**

**KEYNOTE SPEAKER**

Anwar Husen Akbar Ali  
Vice President  
Subsurface and Petroleum Engineering  
**NESR**

0930 - 1000

EXPERT PRESENTATION I

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

1030 - 1230

**SESSION 1: GEOLOGY AND GEOPHYSICS**

Session Managers: Bo Liu, **Baker Hughes**; Wang Guangfu, **Petroleum  
Exploration and Production Research Institute of SINOPEC**

*This session will explore the differences between marine and continental shale oil, with key discussion topics including shale and tight oil classification, enrichment mechanisms, lithology evaluation, geomechanics, geo-modelling, and case studies.*

1230 - 1400 | **NETWORKING LUNCHEON**

1400 - 1600

**SESSION 2: SHALE DRILLING AND  
COMPLETION (D&C) PRACTICE AND OUTLOOK**

Session Managers: Sherif Abdulaziz, **ADNOC**; Huijuan, Jenny Yu,  
**Baker Hughes**; Huifeng, Harris Liu, **CNPC R&D (DIFC) Company  
Limited**

*This session will delve into the evolution of shale drilling and completion (D&C), covering effective techniques, challenges, and advancements. Topics include cost-saving practices, geomechanics, new strategies, and prospects in automatic shale D&C.*

1600 - 1630 | **COFFEE AND TEA BREAK**

1630 - 1830

**SESSION 3: HYDRAULIC FRACTURING DESIGN  
AND OPTIMISATION**

Session Managers: Pedro Saldungaray, **CARBO Ceramics Inc.**; Fu  
Yongqiang, **RIPED, CNPC**; Santiago Serebrinsky, **YPF Tecnología  
(Y-TEC)**

*This session will cover frac propagation modelling and its interaction with natural fractures, proppant and fluid selection to achieve adequate fracture conductivity and frac geometry, as well as the interaction of frac hits.*

1830 ONWARDS | **NETWORKING DINNER**

Wednesday, 4 December 2024

0900 - 0930

EXPERT PRESENTATION II

0930 - 1000

**EXPERT PRESENTATION III**1000 - 1030 | **COFFEE AND TEA BREAK**

1030 - 1230

**SESSION 4: SHALE PROJECT DEVELOPMENT  
AND OPTIMISATION STRATEGIES**

Session Managers: Aamer Al Bannav, **ADNOC**; Li Yong, **RIPED,  
CNPC**; Mohan Manohar, **Repsol Oil & Gas USA, LLC.**

*This session will focus on techniques for faulted shale oil reservoirs, optimisation of completion and stimulation, use of new materials, well spacing, managing parent-child effects, well performance analysis, choke management, and EOR techniques.*

1230 - 1400 | **NETWORKING LUNCHEON**

1400 - 1600

**SESSION 5: INTEGRATING ESG FOR  
SUSTAINABLE PROJECT EXECUTION**

Session Managers: Li Qun, **CNPC**; Rui Zhenhua, **China University of  
Petroleum, Beijing**; Zhejun Pan, **Northeast Petroleum University**

*This session will uncover sustainable shale and tight oil production through improved fracturing, CO2 use, and low-carbon technologies, covering water management, fluid processing, and clean energy integration.*

1600 - 1630 | **COFFEE AND TEA BREAK**

1630 - 1830

**SESSION 6: SHALE AND TIGHT OIL CASE  
STUDIES AND LESSONS LEARNT**

Session Managers: Sudipta Sarkar, **Chevron**; Meng Siwei, **RIPED,  
CNPC**; Chen Zhongwei, **The University of Queensland**

*Explore the dynamic shale and tight oil landscape with case studies on field developments or analogous basins. This session will feature presentations detailing fields with geological characteristics, reservoir properties, asset development strategies, and execution plans.*

1830 - 1845 | **WORKSHOP SUMMARY AND  
CLOSING REMARKS**

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 Sponsorship Opportunities

Sponsorship support of the event helps offset the cost of producing workshops and allows SPE to keep the attendance price within reach of operation level-individuals, those who benefit most from these technical workshops.

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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. 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.*



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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 recognises that sponsoring companies offer valuable information to attendees.

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

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HOST

