

SPE WORKSHOP

16-18 APRIL 2024 | QINGDAO, CHINA



中国石化
SINOPEC



CCUS Management

REGISTER NOW



About the Workshop

CCUS Management

CCUS (Carbon Capture, Utilisation, and Storage) has emerged as a crucial solution for addressing global warming and reducing greenhouse gas emissions. The energy industry worldwide recognises its importance and is investing in CCUS technologies and infrastructure to achieve net-zero targets.

China plays a prominent role in this endeavor, emphasising carbon emissions reduction and supporting various CCUS initiatives. Substantial progress has been made in CCUS, including the implementation of onshore or offshore CO₂ storage projects.

The inaugural SPE Workshop on CCUS Management in China takes center stage. It is designed to address the real-world challenges faced in the realm of CCUS, enabling participants to share their valuable experiences and collectively contribute to the effective deployment of CCUS technologies.



Engage with a diverse community of global industry experts to exchange ideas and share experiences



Broaden your technical knowledge and identify the challenges and opportunities for CCUS



Uncover key drivers that are essential for the success of CCUS projects

Who Should Attend?

- | | |
|--|--|
|  ASSET INTEGRITY |  PRODUCTION TECHNOLOGY |
|  CCS / CCUS |  REGULATORS |
|  DRILLING AND COMPLETIONS |  RESEARCH, DEVELOPMENT AND ACADEMIA |
|  GEOLOGY AND RESERVOIR CHARACTERISATION |  SUBSEA AND SUBSURFACE MANAGEMENT |
|  HSE AND RISK MANAGEMENT |  WELL AND RESERVOIR SURVEILLANCE |
|  MANAGEMENT OF CHANGE |  WELL ENGINEERING AND SERVICE |
|  PROCESS SAFETY MANAGEMENT |  WELLS MANAGEMENT |
|  PRODUCTION ENGINEERING | |
|  PRODUCTION AND OPERATION MANAGEMENT | |

OUR
COMMITTEE
MEMBERS

Get to know the Committee Members that shapes the programme.

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MEMBER?

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

Programme Schedule

Tuesday, 16 April 2024

0800 – 0900 hours	Arrival of Delegates, Registration and Welcome Refreshments
0855 – 0900 hours	Safety Announcement by Hotel
0900 – 0910 hours	Opening and Welcome Remarks
0910 – 0940 hours	Keynote Address 1
0940 – 1010 hours	Keynote Address 2
1010 – 1045 hours	Group Photo/Coffee and Tea Break
1045 – 1120 hours	Expert Presentation 1
1120 – 1155 hours	Expert Presentation 2
1155 – 1315 hours	Networking Luncheon
1315 – 1515 hours	Technical Discussion 1: CO2 Policy and Mechanism
1515 – 1545 hours	Coffee and Tea Break / Knowledge Sharing ePoster Session 1
1545 – 1745 hours	Technical Discussion 2: Selecting and Developing Carbon Capture Sites
1745 – 1815 hours	Knowledge Sharing ePoster Session 2
1815 – 2100 hours	Welcome Dinner Hosted by SINOPEC Shengli Oilfield

Wednesday, 17 April 2024

0800 – 0830 hours	Arrival of Delegates, Registration and Welcome Refreshments
0830 – 1030 hours	Technical Discussion 3: CO2 Capture and Transport Technologies
1030 – 1100 hours	Coffee and Tea Break / Knowledge ePoster Session 3
1100 – 1300 hours	Technical Discussion 4: CO2 EOR / Oil Flooding / Utilisation
1300 – 1415 hours	Networking Luncheon
1415 – 1615 hours	Technical Discussion 5: CO2 Sequestration
1615 – 1630 hours	Coffee and Tea Break
1630 – 1830 hours	Technical Discussion 6: Integrity Aspect of CCUS Wells
1830 – 2100 hours	Networking Dinner

Thursday, 18 April 2024

0800 – 0830 hours	Arrival of Delegates, Registration and Welcome Refreshments
0830 – 1030 hours	Technical Discussion 7: Offshore (Including Subsea Installation)
1030 – 1045 hours	Coffee and Tea Break
1045 – 1245 hours	Technical Discussion 8: CO2 Measurement, Monitoring, Verification (MMV)
1245 – 1315 hours	Workshop Summary and Closing Remarks

Post Workshop Site-visit to Shengli Oil Field

Thursday - Friday, 18-19 April 2024

REGISTER HERE

REGISTER TODAY



VIEW FULL
TECHNICAL
PROGRAMME

Visit our website to view full
technical programme today!

SAVINGS
AVAILABLE

Early Bird and Group
Registration Savings
Available.

Tuesday, 16 April 2024

0900 - 1010

Welcome Remarks and Keynote Address



WELCOME REMARKS

Li Yang
Workshop Co-chair
Academician, Chinese Academy of Engineering, Chairman, SINOPEC Association for Science & Technology
SINOPEC



WELCOME REMARKS

Léon Beugelsdijk
Workshop Co-chair
Shell China CCS Technical General Manager
Shell



KEYNOTE ADDRESS

Lv Lianggong
Deputy General Manager
SINOPEC



KEYNOTE ADDRESS

Onno van Kessel
GM Development CCUS
Shell

1010 - 1045

GROUP PHOTO/COFFEE AND TEA BREAK

1045 - 1155

Expert Presentations



EXPERT PRESENTATIONS

Yang Yong
Deputy General Manager
SINOPEC Shengli Oilfield Co.



EXPERT PRESENTATIONS

Birol Dindoruk
Professor
University of Houston

1155 - 1315 | **NETWORKING LUNCHEON**

1315 - 1515

TECHNICAL DISCUSSION 1: CO2 POLICY AND MECHANISM

Session Managers: **Tony Zhang, GaffneyCline**

This session will discuss the successes of existing policy instruments and commercial drivers, and deep dive into potential novel and adaptive support mechanisms for CCUS deployment. The session will cover the following topics:

- Policy incentives
- Low carbon products and premium
- Carbon pricing
- Business models
- Financing

1515 - 1545

COFFEE AND TEA BREAK / KNOWLEDGE SHARING EPOSTER SESSION 1

1545 - 1745

TECHNICAL DISCUSSION 2: SELECTING AND DEVELOPING CARBON CAPTURE SITES

Session Managers: **Kevin Spencer, IOGP**

This session will explore the link between CO2 storage site appraisal in relation to available CO2 sources. The session will elaborate on the approaches and techno-economic methodologies used to evaluate CO2 supply to select and optimise CCUS hub project configurations.

1745 - 1815

KNOWLEDGE SHARING EPOSTER SESSION 2

1815 - 2100

WELCOME RECEPTION/DINNER HOSTED BY SINOPEC SHENGLI OILFIELD

Wednesday, 17 April 2024

0830 - 1030

TECHNICAL DISCUSSION 3: CO2 CAPTURE AND TRANSPORT TECHNOLOGIES

Session Managers: **Zhang Jian, SINOPEC; Wu Bisheng, Tsinghua University; Li Yuxing, China Petroleum University**

This session will discuss the surface engineering of CCUS technology, focusing on insights into advances and applications in CO2 capture technology, technologies for CO2 transport, the current status and trends of CO2 pipelines, and the development direction of infrastructures for CO2 transportation.

1030 - 1100

COFFEE AND TEA BREAK / KNOWLEDGE SHARING EPOSTER SESSION 3

1100 - 1300

TECHNICAL DISCUSSION 4: CO2 EOR / OIL FLOODING / UTILISATION

Session Managers: **Haitham Al Saadi, ADNOC; Cao Xiaopeng, SINOPEC; Birol Dindoruk, University of Houston**

This session will focus on mechanisms, key technologies, practices, and understandings of CCUS-EOR, fostering technical and experiential exchanges to support the advancement of CCUS-EOR technology.

Wednesday, 17 April 2024

1300 - 1415 | NETWORKING LUNCHEON

1415 - 1615

TECHNICAL DISCUSSION 5: CO₂ SEQUESTRATION

Session Managers: Haitham Al Saadi, ADNOC; Lv Guangzhong, SINOPEC; Lexie Leng, Shell; Ana Widyanita, PETRONAS Research Sdn. Bhd

This session will discuss the following topics corresponding to the 'three pillars' of CO₂ storage. Each of them represents a key component for a potential CO₂ storage/sequestration site:

- *Capacity: Does the site have the required storage capacity?*
- *Containment: Can it contain the CO₂ indefinitely?*
- *Injectivity: Can we sustain injection in the reservoir?*
- *Geological sequestration?*

1615 - 1630 | COFFEE AND TEA BREAK

1630 - 1830

TECHNICAL DISCUSSION 6: INTEGRITY ASPECT OF CCUS WELLS

Session Managers: Jiang Dong, SINOPEC; Debby Halinda, PT Pertamina (Persero); Ruhut Batara Hutabarat, PT Pertamina Hulu Energi

This session will thoroughly examine the critical components of well integrity within the context of CCUS operations, emphasising their paramount importance for the safe and effective deployment of carbon sequestration technologies. The session will also explore the intricate engineering and technical challenges involved.

1830 - 2100 | NETWORKING DINNER

Thursday, 18 April 2024

0830 - 1030

TECHNICAL DISCUSSION 7: OFFSHORE (INCLUDING SUBSEA INSTALLATION)

Session Managers: Yu Hang, CNOOC; Liu Qiang, CNOOC; Song Yongchen, Dalian University of Technology

This session will delve into the following topics:

- *Evaluation of marine storage sites.*
- *Study on CCUS planning.*
- *Marine CO₂ transport and wellbore safety.*
- *Numerical simulation and monitoring of marine CO₂ geological storage.*
- *Subsea installation.*
- *Marine hydrate/shallow sediment storage.*
- *Marine mineral/biological carbon storage.*

1030 - 1045 | COFFEE AND TEA BREAK

1045 - 1245

TECHNICAL DISCUSSION 8: CO₂ MEASUREMENT, MONITORING, VERIFICATION (MMV)

Session Managers: Feng Gui, Baker Hughes; Teddy Eka Putra, PT Pertamina Hulu Energi; Ana Widyanita, PETRONAS Research Sdn. Bhd.

This session will cover:

- *Conceptual and detailed MMV plan development.*
- *Monitoring technologies and networks.*
- *Pre, during and post injection MMV plan.*
- *Operational procedures.*
- *Qualitative and quantitative risk analysis.*
- *Relations/guidelines on MMV planning.*
- *Cost-effective MMV.*

1245 - 1315 | WORKSHOP SUMMARY AND CLOSING REMARKS



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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

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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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CCUS Management

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