Meetings International

Scientific Program

INTERNATIONAL MEETING ON

# PETROLEUM ENGINEERING

NOVEMBER 07-08, 2017 SINGAPORE



PETROLEUM MEETING 2017

**Contact Us: Meetings International PTE LTD.**
28 Maxwell Road, #03-05 Red Dot Traffic, Singapore-069120
Toll Free No. 800-101-2526
Email: petroleum@meetingseries.org | chemengg@petroleummeetings.com

# Scientific Program

Meetings International

Registrations
08:45-09:15

## Opening Ceremony
09:15-9:30

**Day 1 November 07, 2017**

**Hall @ Seletar Room 2, Level 3**

### Keynote Forum

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|---|---|
| 09:30-10:15 | **Title: Mechanism for conversion from methane hydrate over to carbon dioxide dominated hydrate during injection of carbon dioxide into methane hydrate filled sediments**<br>**Bjorn Kvamme,** University of Bergen, Norway |
| 10:15-11:00 | **Title: PCP2AFE: Algorithms in dual-transforming between corner point grid of PETREL and finite element grid of ANSYS**<br>**Mao Pan,** Peking University, China |

### Group Photo

Networking and Refreshments Break 11:00-11:20 @ Seletar Foyer

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|---|---|
| 11:20-12:05 | **Title: Vibration effects on submarine pipelines and steel catenary risers**<br>**Chiew Yee Meng,** Nanyang Technological University, Singapore |

### Special Session

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|---|---|
| 12:05- 13:05 | **Title: $CO_2$ minimum miscibility pressure (MMP) correlation predicts slim tube experimental data very precisely**<br>**Osamah A Alomair and Maqsood Iqbal,** Kuwait University, Kuwait |

Lunch Break 13:05-14:00 @ Atrium Restaurant

Sessions:
Petroleum Geology | Geophysical Exploration | Hydraulic Fracturing | Advanced Drilling Technologies | Petroleum Refineries | Computer Applications in Petroleum Engineering | Computational Modelling | Petroleum Desulphurization

Session Introduction

**Session Chair: Jiang Yang,** Xi'an Petroleum University, China

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|---|---|
| 14:00-14:30 | **Title: Development of possible leakage pathways for $CO_2$ in between well cement and injection pipeline during injection of $CO_2$ for aquifer storage**<br>**Bjorn Kvamme,** University of Bergen, Norway |
| 14:30-15:00 | **Title: Hydraulic fracturing in soils with immiscible and miscible fluids**<br>**Hosung Shin,** University of Ulsan, South Korea |
| 15:00-15:30 | **Title: Elastic seismic imaging using acoustic propagators**<br>**Yunyue Elita Li,** National University of Singapore, Singapore |
| 15:30-16:00 | **Title: Molecular simulations of surfactant-modified interfaces: Numerical tools and analysis**<br>**Bjorn Kvamme,** University of Bergen, Norway |

Networking and Refreshments Break 16:00-16:20 @ Seletar Foyer

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|---|---|
| 16:20-16:50 | **Title: Natural hydrocarbon reservoir modeling: Advantages and disadvantages of different geostatistical methods for borehole data interpolation**<br>**Evgeniy Kovalevskiy,** GridPoint Dynamics, Russia |
| 16:50-17:20 | **Title: Molecular simulations of surfactant-modified $H_2O/CO_2$ and $H_2O$/hydrocarbon interfaces**<br>**Bjorn Kvamme,** University of Bergen, Norway |

### Panel Discussions

**Day 2 November 08, 2017**

**Hall @ Seletar Room 2, Level 3**

**Keynote Forum**

**9:30-10:15**

**Title: Fracturing fluid with cellulose nanofiber and viscoelastic surfactant**

**Jiang Yang,** Xi'an Petroleum University, China

**Special Session**

**10:15-11:15**

**Title: Modeling $CO_2$ hydrate formation during aquifer storage and during storage in $CH_4$ hydrate with associated $CH_4$ production**

**Bjorn Kvamme,** University of Bergen, Norway

Networking and Refreshments Break 11:15-11:35 @ Seletar Foyer

Sessions:
Reservoir Engineering & Reservoir Simulation | Advanced Natural Gas Engineering | Petrophysics & Petrochemistry | New frontiers in Petroleum Engineering | Major Challenges in Petroleum Industry | Environmental Impacts in Petroleum Engineering | Petroleum Substitutes | Petroleum Economics

Session Introduction

**Session Chair: Mao Pan,** Peking University, China

**11:35-12:05**

**Title: PCP2AFE: Algorithms in dual-transforming between corner point grid of PETREL and finite element grid of ANSYS**

**Yuyang Liu,** Peking University, China

**12:05-12:35**

**Title: Technology of pulse hydraulic fracturing**

**Shipulin Alexander Vladimirovich,** National Mineral Resources University, Russia

**12:35-13:05**

**Title: Possible application of enhanced oil recovery technology in low permeability carbonate reservoir**

**A Y Zekri,** United Arab Emirates University, UAE

Lunch Break 13:05-13:55 @ Atrium Restaurant

**Poster Presentation**

**13:55-14:25**

**Title: Pressure interference identification and well spacing optimization for a multi-well pad in Zhaotong Shale, China**

**Junlei Wang,** Research Institute of Petroleum Exploration and Development, China

**14:25-14:55**

**Title: Research on reservoir characteristics in Zhaotong area Wufeng formation-Longmaxi 11 formation high quality shale**

**He Yuan,** Research Institute of Petroleum Exploration and Development, China

**14:55-15:25**

**Title: Pendulum swing: Local content requirements in the oil and gas sectors and the law of unintended consequences**

**Berryl Claire Asiago,** University of Eastern Finland, Finland

**Award and Closing Ceremony**

Networking and Refreshments Break 15:40-16:00 @ Seletar Foyer


## Bookmark your dates

2ND INTERNATIONAL MEETING ON

# PETROLEUM ENGINEERING

AUGUST 27-28, 2018 TOKYO, JAPAN

e-mail: petroleum@meetingseries.org | chemengg@petroleummeetings.com
Website: www.meetingsint.com/chemical-engineering-conferences/petroleum