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965<sup>th</sup> Conference

*Scientific Program*

2<sup>nd</sup> World Congress on

# Petroleum and Refinery

JUNE 01-03

2017

Osaka, Japan

Conference Series

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**Keynote Forum**

**Introduction**

09:15-10:00 **Title: Asphaltene and wax precipitation – Common principles of structuring**  
**Hartmut R Fischer**, TNO Technical Sciences, The Netherlands

10:00-10:45 **Title: Seismic isolation of elevated steel storage tanks by sliding concave bearings**  
**Fabrizio Paolacci**, Roma Tre University, Italy

**Group Photo**

Networking and Refreshments Break: 10:45-11:00 @ Foyer

**Session:**

Petrochemistry | Petroleum Processes | Natural Hazards in Petroleum Industry | Sustainable Usage

Session Introduction

**Session Chair: Bjørn Kvamme**, University of Bergen, Norway

11:15-11:45 **Title: Combined CO<sub>2</sub> storage in hydrate with simultaneous release of CH<sub>4</sub> and limitations of adding N<sub>2</sub> to the CO<sub>2</sub>**  
**Bjørn Kvamme**, University of Bergen, Norway

11:45-12:15 **Title: Automated gas leak detection and monitoring using a Gas Cloud Imaging (GCI) video camera system**  
**Robert Kester**, Rebellion Photonics, USA

12:15-12:45 **Title: Fast acting sector gates (ZKSsh) - A new stage in petrochemical equipment development**  
**Ilmer Yu.Hasanov**, Bashkir State University, Russian Federation

Lunch: 12:45-13:30 @ 1F Restaurant "The Café"

13:30-14:00 **Title: Energy saving in atmospheric crude process using modified crude distillation units**  
**Young Han Kim**, Dong-A University, South Korea

14:00-14:30 **Title: Characteristics and microstructure of tight gas reservoir in the Upper Triassic Sichuan Basin, Western China**  
**Qi Li**, China University of Geosciences, China

14:30-15:00 **Title: Impact of rusty pipelines on risk of hydrate formation**  
**Bjørn Kvamme**, University of Bergen, Norway

15:00-15:30 **Title: Discovery of a new potential hydrocarbon bearing province in the north-west of the Russian arctic, creation of its generalized geological model and cost estimate of mineral resources**  
**Aleksey Kuznetsov**, Marine Arctic Geological Expedition, Russian Federation

15:30-16:00 **Title: Seismic interpretation and structural identification of Iroko-Mokoko-Abana fields, offshore Cameroon**  
**Khalid Altayeb**, Petroleum Exploration and Production Research Institute of Sinopec, China

Networking and Refreshments Break: 16:00-16:15 @ FOYER

**Panel Discussion 16:15-16:30**

**Keynote Forum**

9:15-10:00 **Title: A probabilistic risk assessment of process plants under seismic loading**  
**Fabrizio Paolacci**, Roma Tre University, Italy

10:00-10:45 **Title: Matheuristics application to ship routing and scheduling problem in crude oil transportation**  
**Tatsushi Nishi**, Osaka University, Japan

## Session:

Enhanced Oil Recovery | Petroleum Geology &amp; Petroleum Engineering | Sustainable Energy | Transportation

Session Introduction

**Session Chair: Sun Renyuan, China University of Petroleum, China**

- 10:45-11:15** Title: **Experiment studies on N<sub>2</sub>-viscosity depressant with steam stimulation for shallow thin super-heavy oil reservoirs**  
Sun Renyuan, China University of Petroleum, China
- 11:15-11:45** Title: **Non-equilibrium modeling of hydrates in porous medium**  
Bjørn Kvamme, University of Bergen, Norway
- 11:45-12:15** Title: **Interaction between side chain crystalline block co-polymer and wax and its function**  
Shigeru Yao, Fukuoka University, Japan
- 12:15-12:45** Title: **Deep hydrocarbon sphere as a possible source for the formation of oil deposits**  
Yuri Galant, Independent Researcher, Israel

Lunch Break: 12:45-13:15 @ 1F Restaurant "The Café"

- 13:15-13:45** Title: **Method development for chemical degradation of waste tyres to produce oil and characterization thereof**  
Phuti Cedric Tsipa, Nelson Mandela Metropolitan University, South Africa
- 13:45-14:15** Title: **Composite microbial oil displacement agent enhanced oil recovery in Changqing Oilfield, PR China**  
Huang Zhiyong, Chinese Academy of Sciences, China
- 14:15-14:45** Title: **Geothermal energy potential of Pakistan on the basis of abandoned oil and gas wells**  
Asif Mehmood, China University of Petroleum, China
- 14:45-15:15** Title: **Petrophysical analysis and prediction of low resistivity pay zone at well 'A' at field 'X'**  
Muhammad Rivaldi Anwar Putra, Gadjah Mada University, Indonesia

**Poster Presentations 15:15-16:15**

- P1** Title: **Economic analysis of energy storage in the form of hydrogen in salt caverns**  
Szymon Kuczynski, AGH University of Science and Technology, Poland
- P2** Title: **Innovative solution dedicated to performance and safety tests procedures of compressed natural gas (CNG) home fast refueling stations**  
Mariusz Laciak, AGH University of Science and Technology, Poland
- P3** Title: **Possibilities and selected aspects of hydrogen energy storage**  
Tomasz Wlodek, AGH University of Science and Technology, Poland
- P4** Title: **Optimized well spacing technique of mixed well type for tight gas sand in China**  
Qunming Liu, Research Institute of Petroleum Exploration and Development, China
- P5** Title: **The characteristics and development patterns of basement reservoir: A case study of Dongping gasfield, in the Qaidam basin**  
Cheng Lihua, Research Institute of Petroleum Exploration and Development, China
- P6** Title: **Bioemulsifier mediated high concentrations of sludge treatment technology and application**  
Gao Xiaolong, Chinese Academy of Sciences, China
- P7** Title: **Composite microbial oil displacement agent enhanced oil recovery in Changqing Oilfield, PR China**  
Xingbiao Wang, Chinese Academy of Sciences, China

Networking &amp; Refreshments Break: 16:15-16:30 @ Foyer

**Panel Discussion & Award Ceremony 16:15-17:00****Day 3 June 03, 2017****Panel Discussions and Networking Lunch****Closing Ceremony**