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Invitation to the 103rd Chapter Meeting

We are pleased to announce that the forthcoming Chapter Meeting will be held as follows. Those who are interested in attending this meeting are asked to send an e-mail registration at JFES-Newsletter@slb.com no later than **Mar 15, 2018.**

Date & Time: Thursday, March 22, 2018, 15:30 – 17:30

Venue: Mitsui Oil Exploration Co.,Ltd (三井石油開発株式会社)
Hibiya Central Bldg., 2-9, Nishi-Shimbashi 1-chome, Minato-ku
Tel: 81-3-3502-5786

10th Floor Presentation Room

Program:

Presentation 1:
＜タイトル＞
タイ陸上鉱区におけるJet Pumpを用いた増油の試み
Production Enhancement by using Jet Pump at the onshore oil field in Thailand.

＜講演者＞
樋口尚秀（三井石油開発）

＜要旨＞
対象鉱区において、対象の砂層が細かく分断されているため、一本あたりの生産量が小さく、この対策として生産井をMono-bore slimholeで仕上げるなど開発コストを抑えることによって原油の生産を行っている。また人工採油法としてJet Pumpを採用し、増油の試みを実施中。Jet Pumpの効果やJet PumpのOperationで発生した課題などについて紹介する。

Presentation 2:
＜タイトル＞
機械学習手法を用いた貯留岩性状評価の取組紹介：ノルウェー・バレンツ海の例
Application of Machine Learning Method for Evaluation of Reservoir Properties: Case in the Barents Sea, Norway.

＜講演者＞
坂本亮（三井石油開発）、Idar A. Kjørlaug、Kristian Helle（Moeco Oil & Gas Norge AS)、Eirik Larsen、Christopher A-L. Jackson、Behzad Alaei、Dimitrios Oikonomou (Earth Science Analytics AS)
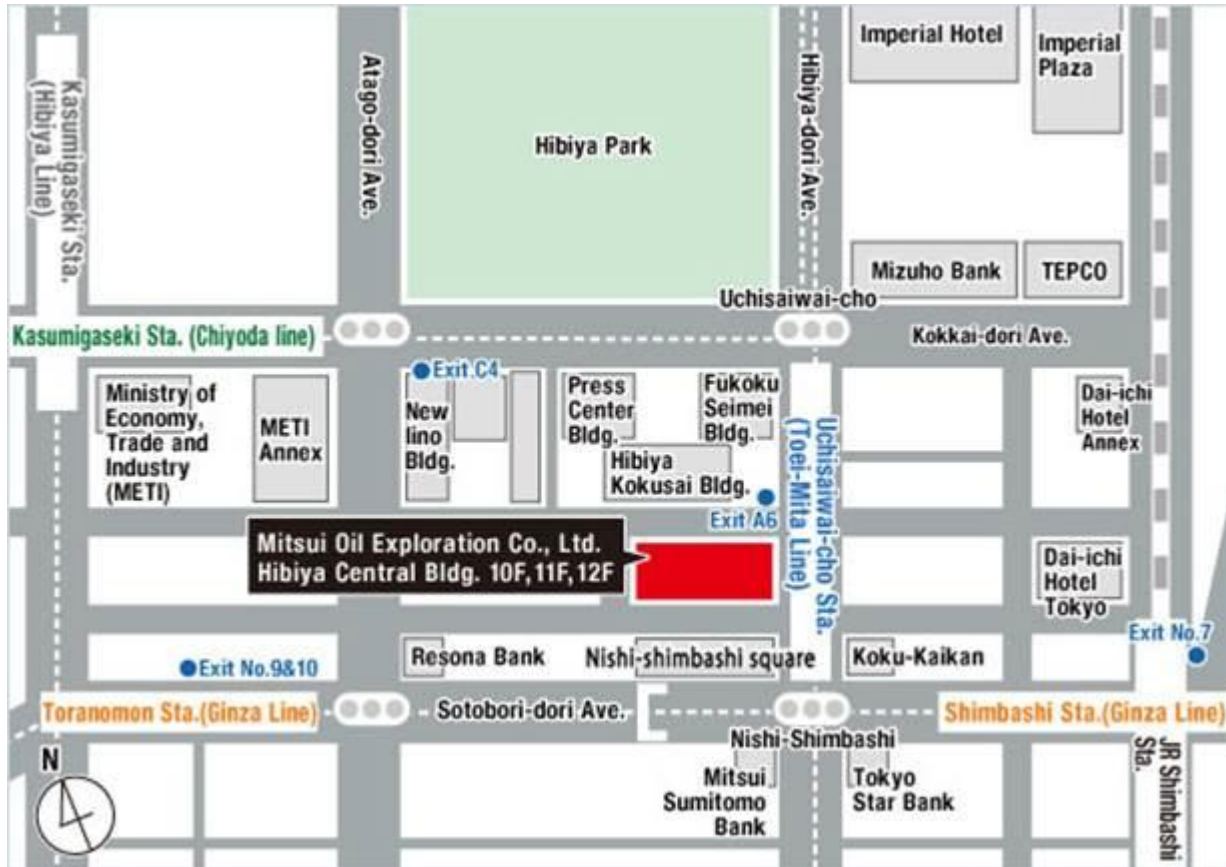
＜要旨＞
機械学習は、近年様々な分野で注目されているAI技術の一つであり、統計学的な手法とは違い、学習によって実データを相互に関連付けた予測モデルを構築し、未知の区間を予測する。地層評価手法においても、機械学習を用いることで、コアサンプル未取得区間における浸透率などの貯留岩性状データを予測できる他、未取得の電検カーブを予測・作成することが可能となる。今回の発表では、ノルウェー・バレンツ海の三畳系河成砂岩（Intra-Snadd Fm.及びIntra-Kobbe Fm.）における機械学習手法を用いた貯留岩性状評価の例を紹介する。

Icebreaker （懇親会）

TBD

<< Access Information >>

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Best Presentation Award of the 23rd Formation Evaluation Symposium 2017

The best paper was selected from the papers presented at the 23rd Formation Evaluation Symposium held at JOGMEC-TRC on October 11-12, 2017. For this selection, Board members reviewed every paper at the last board meeting and chose the awarded paper by the voting. The testimonial will be given to the awardees at the coming SPWLA Japan/JFES Symposium of this year. The awarded paper and the authors are shown below.

PETROPHYSICAL EVALUATION OF GAS HYDRATE IN SHENHU AREA, CHINA

Shim Yen Han, Qu Chang Wei, Cai Hui Min, Liu Bo [1], Yang Sheng Xiong, Liang Jin Qiang, Lu Jing An [2]

(1) Schlumberger
(2) GMGS

The petrophysical properties and habitat of gas hydrates have been investigated using a new evaluation technique that combines logging while drilling data and core data. High resolution resistivity image data have been used to evaluate gas hydrate volumes, determine hydrate occurrence modes, hydrocarbon accumulation sequence and provide insights for a hydrate formation model, which cannot be analyzed using conventional data alone.

In the future, the petrophysical evaluation of gas hydrates will benefit greatly from this research and lead to a more accurate understanding of this important potential gas resource. JFES Board members would like to recognize that this paper is worthy to receive the Best Paper Award for the JFES Symposium 2017.

(Takehiro Minawa, Session Chair)