

平成 30 年度第 1 回物探分科会 講演会のご案内

平成 30 年(2018 年) 3 月 27 日
石油技術協会 探鉱技術委員会

このたび、下記の通り物理探査学会および SEAPEX (South East Asia Petroleum Society) と共催で 2018 年 SEG (Society of Exploration Geophysicists; 米国物理探査学会) Honorary Lecturer を招聘して講演会を開催することとなりました。皆様方の多数のご参加をお待ちしております。

記

講演会名 : **SEG 2018 Honorary Lecturer to the South Pacific**

講師 : **Mr. Mazin Farouki**

PGS Geophysical Advisor, Marine Contract, Asia Pacific,
Kuala Lumpur, Malaysia

演題 : **Dense sampling in marine seismic: Efficiency in acquisition without compromising data quality**

上 SEG Honorary Lecture に加えて、最近の震探データ処理動向についても紹介頂ける予定です。

日時 : 平成 30 年 4 月 24 日 (火) 15:30~17:30

会場 : 国際石油開発帝石株式会社 34 階会議室(02&03)

(〒107-6332 東京都港区赤坂 5-3-1 赤坂 Biz タワー)

なお、講演会終了後、講師を囲み懇親会(於 34 階社員クラブ ランチルーム : 会費 3,000 円程度)を予定しております。

各社物探分科会委員におかれましては、**4 月 17 日(火)まで**に講演会および懇親会参加希望者(氏名とメールアドレス)を取りまとめの上、INPEX 寺本(terunobu.teramoto@inpex.co.jp)、徳永(hiroyuki.tokunaga@inpex.co.jp)宛に e-mail にてご連絡よろしくお願い致します。

以上

物探分科会 座長
(株)地球科学総合研究所 稲盛 隆徳
国際石油開発帝石(株) 寺本 晃庸

2018 Honorary Lecturer, South Pacific

Mazin Farouki

<https://seg.org/Education/Lectures/Honorary-Lectures/2018-HL-Farouki>



Biography

Maz Farouki has a BSc degree in physics from Manchester University and more than 40 years of industry experience with seismic contractors, mostly on overseas assignments. He has lived and worked in the United Kingdom, Zaire, Pakistan, Algeria, Egypt, the United States Australia, Norway, Singapore and Malaysia, holding technical and management positions in data processing, imaging, and marine geophysics. Most of his tenure has been with two employers: the Seismograph Service Companies from the late 1970s and Petroleum GeoServices (PGS) from the 1990s. For a number of years he specialized in velocity model building and depth imaging at a time when the discipline was in its infancy in the industry. His current position is geophysical advisor for PGS Asia Pacific Marine Contract based in Kuala Lumpur, Malaysia. He is an active member of SEG and EAGE and has received 'best paper' awards at industry regional conferences and workshops.

“Dense sampling in marine seismic: Efficiency in acquisition without compromising data quality”

Abstract

The marine seismic industry is constantly striving for greater efficiency in acquiring seismic data: the quicker a survey area can be acquired, the more competitive the cost to the customer. But acquiring large surveys with unconventional spreads can impose limitations on the recorded data, so that certain geophysical requirements for the exploration or development objectives may be compromised. This is especially the case in shallow water areas, where traditionally the width of the streamer spread is restricted in order to image the shallow section.

We will look at some modern acquisition approaches for towed streamer seismic currently offered in the industry; these are very different ideas, but each aims to provide increased cross-line density or improved acquisition efficiency, or indeed, both.

In particular, we will look at the use of multiple sources instead of the conventional dual-source configuration, the use of the cross-line component in multi-sensor recording, an approach based on compressive sensing, and an imaging approach that exploits free surface multiples to provide greater illumination of the near surface. For each

of these approaches we look at its value proposition and ask how well it stacks up to its promise, and what are, if any, the associated limitations and concerns regarding the resulting “data quality”?



会場：国際石油開発帝石(株) 赤坂 Biz タワーアクセスマップ