

# SEG Honorary Lecturer Tour

## 【東京開催】のご案内

平成 30 年 3 月 2 日

物理探査学会

Society of Exploration Geophysicists (SEG、米国物理探査学会)では、著名な講師が世界中を廻って講演を行う教育ツアーを実施しています。2018 年の Honorary Lecturer Tour では、海洋地震探査における最新のデータ取得技術とデータ品質についての講演を聞くことができます。

この度、物理探査学会では、Mazin Farouki 講師を招聘して本講演会を東京でも開催することとなりました。さらに、講師に特別にお願いしてデータ処理に関する最新動向についてもお話しいただく予定です。是非ともこの機会をお見逃しなく、ご参加いただけますようご案内申し上げます。



SEG 2018  
Honorary Lecturer  
- Pacific South -  
Mazin Farouki

### 記

講演会名 : SEG Honorary Lecture Program -Pacific South-

講師 : Mazin Farouki (PGS Geophysical)

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

### 【東京開催】

日時 : 平成 30 年 4 月 24 日 (火) 15:30~17:30 (懇親会 17:30~)

会場 : 国際石油開発帝石(株) 34 階会議室 (02/03 会議室)

赤坂 Biz タワー ([東京都港区赤坂五丁目 3 番 1 号](#))

東京メトロ千代田線「赤坂」駅 1 出口 (出口から直結しています)

参加費 : 講義 無料 懇親会 実費

参加申込締切 : 平成 30 年 4 月 17 日 (火)

参加申込方法 : 物理探査学会ホームページからお申し込みください。

- ◆ 物理探査学会会員の方は、会員ページ([こちら](#))より会員認証の後、会員サービス→オンライン参加登録システムにお進みください。
- ◆ 非会員の方は、[こちら\(一般\)](#)または[こちら\(学生\)](#)からお申し込みください。
- ◆ 懇親会への参加/不参加も併せてお知らせください。会費は現地で集めさせていただきます (事前の入金は不要です)。

備考 : 赤坂 Biz タワーへの入館には事前登録が必要です。必ず参加申込をお願いします。

お問合せ先 : 公益社団法人物理探査学会 事務局

〒101-0031 東京都千代田区東神田 1-5-6 MK 第 5 ビル 2F

電話 03-6804-7500 FAX 03-5829-8050 e-mail [office@segi.org](mailto:office@segi.org)

以上



SOCIETY OF EXPLORATION  
GEOPHYSICISTS

## 2018 Honorary Lecturer to the South Pacific

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

by *Mazin Farouke*

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



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”?

### ***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.



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