

2016 SEG/AAPG Distinguished Lecturer Tour 東京開催のご案内
(平成 28 年度第 1 回物探分科会 講演会)

平成 28 年 8 月 2 日
物理探査学会 国際委員会
石油技術協会 探鉱技術委員会

このたび、物理探査学会と石油技術協会は共同で、下記の通り 2016 年 SEG (Society of Exploration Geophysicists; 米国物理探査学会) Distinguished Lecturer を招聘して講演会を開催いたします。

記

講演会名 : SEG/AAPG Fall 2016 Distinguished Lecturer

講師 : Steven Constable (Scripps Institution of Oceanography)

演題 : Marine EM: The Past, The Present, and The Future

日時 : 平成 28 年 8 月 5 日 (金) 16:00~17:30

会場 : 国際石油開発帝石株式会社 34 階(3401&3402)会議室 注 : 36 階から 34 階に変更
(〒107-6332 東京都港区赤坂 5-3-1 赤坂 Biz タワー)

参加申込された方には、赤坂 Biz タワーより入館証発券の案内メールが届いていることと思います。当日 1 階ロビーにて案内に従い発券手続きを行った上、34 階会議室まで直接お越しください。なお、87 名の方が参加予定ですので、入館時に混雑が予想されます。15:30 には 34 階で受付を開始致しますので、出来るだけ早めに会場にお越しいただき受付を済ませられますようお願い致します。

当日入館に際してトラブル等ありましたら、国際石油開発帝石 評価技術ユニット 岸(電話 03-5572-0263)までご連絡下さい。

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)を予定しております。

以上

物理探査学会 国際委員
石油資源開発(株) 柏原 功治

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



会場：国際石油開発帝石(株) 赤坂 Biz タワーアクセスマップ

Fall 2016 Distinguished Lecturer

Steven Constable

<http://seg.org/Education/Lectures/Distinguished-Lecturers/2016-DL-Constable>



Biography

Steven Constable studied geology at the University of Western Australia, graduating with first class honors in 1979. In 1983 he received a Ph.D. in geophysics from the Australian National University for a thesis titled “Deep Resistivity Studies of the Australian Crust” and later that year took a postdoc position at the Scripps Institution of Oceanography, University of California San Diego, where he is currently Professor of Geophysics. Steven is interested in all aspects of electrical conductivity, and has made contributions to inverse theory, electrical properties of rocks, mantle conductivity, magnetic satellite induction studies, global lightning, and instrumentation. However, his main focus is marine electromagnetism; he played a significant role in the commercialization of marine EM for hydrocarbon exploration, work that was recognized by the G.W. Hohmann Award in 2003, the 2007 SEG Distinguished Achievement Award, and now the SEG 2016 Reginald Fessenden Award. He also received the R&D 100 Award in 2010, and the AGU Bullard Lecture in 2015. More recent efforts have involved the development of equipment to map gas hydrate and permafrost. Steven has served as an associate editor for the journal *Geophysics*, as a section secretary and corresponding editor for the American Geophysical Union, and on the MARELEC steering committee.

“Marine EM: The Past, The Present, and The Future”

Abstract

The high cost of deepwater exploration motivated the development of commercial marine magnetotelluric (MT) exploration in 1995, but it wasn't until marine controlled-source electromagnetic (CSEM) methods burst upon the industry scene with the formation of three new contractors in 2002 that things got really exciting. Now the bubble has burst and the excitement has diminished, but marine EM remains an important tool for offshore exploration. Early mistakes were made as a result of poor instrumentation and a lack of good interpretation tools unlike seismics, EM relies heavily on inversion to produce useful results but both equipment and inversion codes have improved significantly. Still, EM images resistivity, not hydrocarbon content, and false positives occasionally occur, but false negatives are rare. That is, without an EM signature there is little chance of discovering economical hydrocarbons. In this lecture I will review the history, discuss the 10 important things you need to know about marine EM, and look to the future of the method.