

The Season's Best Wishes and a Happy New Year

*Thank all of you for supporting JFES activity.
Our best wishes for a prosperous year 2010.*

Invitation to the 70th 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 inform Shizu Kobayashi (kobayashi4@slb.com) **by January 20.**

Date & Time: February 2, 2010, 15:30 – 17:30

Venue: Fukuda Geological Institute

2-13-12, Hon-Komagome, Bunkyo-ku, Tokyo 113-0021

Tel: 03-3944-8010

Program:

15:30 – 16:30 1st Talk

Study on rock physical interpretation of shallow geophysical data

by Toru Takahashi, Fukuda Geological Institute

16:30 – 17:30 2nd Talk

An application of rock physics for the effective investigation of the levees

by Chisato Konishi, OYO Corporation

要旨

ロックフィジックスをベースにした浅層物理探査データの解釈技術に関する研究

(財)深田地質研究所 高橋 亨

我々は、地盤工学分野における物理探査データの解釈技術の高度化を目的に、近年石油・ガス探査開発分野で積極的に研究・適用が進められているロックフィジックスを利用した解釈技術の研究を行っている。これまでに、国内の土質地盤、堆積性軟岩、亀裂性岩盤で得られた弾性波速度や比抵抗データを用いて、岩石モデルの適用性の評価を行ってきた。その結果、地盤工学分野で、物理探査の利用が期待されている河川堤防調査における土質構成の推定、堆積性軟岩の間隙率・粘土含有率・変形係数等の工学的に重要なパラメータの推定への適用の可能性を示す結果を得た。本講演では、その概要を紹介する。

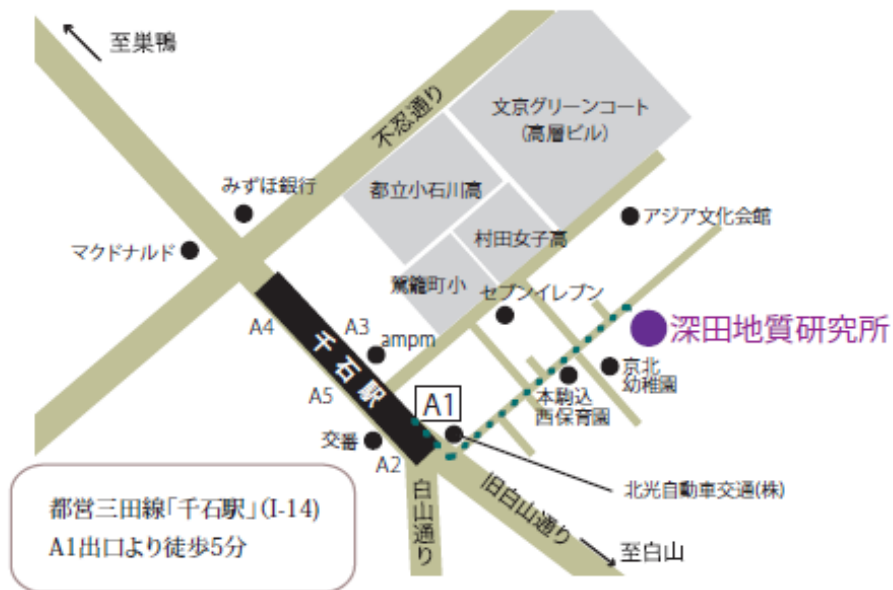
河川堤防調査における物理探査へのロックフィジックスの適用

応用地質(株) 小西 千里

我々は、これまで主に資源探査分野で岩石を対象として研究が進められてきたロックフィジックスの研究を、土木調査において実施する物理探査結果の解釈に利用することを試みている。その一例として、河川堤防の効率的探査手法として、表面波探査と牽引式電気探査を実施して得られた地盤のS波速度と比抵抗のクロスプロットを用いた地盤の評価方法について紹介する。本研究では、土質試料を用いた室内試験によるS波速度と比抵抗の測定結果とロックフィジックスを基にした不飽和地盤の物理モデルから得られる理論曲線との比較を行い、クロスプロットの解釈についての見解を示す。



交通アクセス



都営三田線「千石駅」A1出口を出て、左の方向に進む。
最初の角のタクシー会社(北光自動車交通(株))を左折、そのまま直進してください。

※駐車場はありません。お車でのお越しはご遠慮ください。

財団法人深田地質研究所

〒113-0021東京都文京区本駒込2-13-12
TEL 03-3944-8010 FAX 03-3944-5404
E-mail fgi@fgi.or.jp
URL <http://www.fgi.or.jp/>



The 15th Formation Evaluation Symposium in Japan

The 15th Formation Evaluation Symposium of Japan was successfully held on October 1-2, 2009 at the Technology & Research Center, JOGMEC in Chiba, Japan. The year 2009 is the 15th anniversary of JFES establishment. Since we started the society activity in 1994, we have been holding the symposium every year. Therefore, the JFES organized special event to commemorate its honorable history.

About 90 participants from oil/gas companies, service contractors, universities and research institutes, including 6 from overseas enjoyed the symposium. The technical session started with the keynote address by Mr. Matt Bratovich (Baker Hughes), the President of SPWLA, reviewing 15 years of transition in both social condition and environment surrounding the oil and gas industry. He also talked advancing petrophysics towards an unconventional future.



(Mr. Matt Bratovich, President of SPWLA)

The symposium consisted of 7 technical sessions. A total of 27 papers were presented, among which 19 were from Japan and the other 6 were from overseas. Beginning with the special session titled 'Well Test', 5 presentations were made including invited talk by Mr. Shahid Haq. Presenters introduced the latest wireline tools and well test technology by LWD. In the general sessions, various talks covered wide ranges of interests such as methane hydrate, passive seismic, fractured reservoir, new technology and scientific drilling.

【Best Student Award】

There were various research reports from university students. JFES has been supporting and encouraging students or young engineers' entry at the symposium. Since it's the special year, we provided 'Best Student Award' to call for their active participation getting good results in as many as seven high-quality presentations made. After the strict judge by JFES board members, two presenters were selected as 'Best Student Award'.

SPWLA President Award

Yusuke Mukuhira (Tohoku University)

Characteristics of Microseismic Events with Large Magnitude Collected while Stimulation of Geothermal Reservoir at Basel, Switzerland

JFES President Award

Hariguchi Yosuke (University of Tokyo)

Key Factors for Depressurization-Induced Gas Production from Oceanic Methane Hydrates.

【Anniversary special event】

In celebration of the JFES 15th anniversary together with SPWLA 50th establishment, we are greatly moved by the fact that the JFES was selected as the “outstanding chapter” in the world. We gave ‘Distinguished Service Award’ to Messrs. Yabe, Nakayama, Wada and JOGMEC in token of our thanks to their great contribution for JFES establishment and continuous support to activity.

After the ceremony, we held a cello concert by Mr. Nobuo Furukawa, principal cellist at Tokyo Symphony Orchestra, who is most famous and artful cellist of Japan, known for his cello performance in the Oscar winner movie ‘Departures (Okuribito)’.

Through regular chapter meetings and symposia held in autumn, JFES is going to continue various activities heading toward the goal of growth and progress on well logging and formation evaluation technology in the future.



(Miyairi, Messrs. Yabe, Nakayama, Ono, Okitsu)



(Nobuo Furukawa, Cellist)



(Commemorative photos after adjournment)