

# **The Tenth Formation Evaluation Symposium of Japan**

**JOGMEC-TRC, Chiba  
September 29-30, 2004**

## **PROGRAM**

**Sponsored** by Japan Formation Evaluation Society – A Chapter of SPWLA  
**Cosponsored** by Technology Research Center, Japan Oil, Gas and Metals National Corporation  
**Supported** by Japanese Association for Petroleum Technology  
Society of Exploration Geophysicist of Japan  
Geothermal Research Society of Japan  
Society of Petroleum Engineers, Japan Section  
Subsurface Instrumentation Division of MMIJ

## Calendar of Events

### Wednesday, September 29

9:15 - 17:00	Registration	Entrance Hall
9:15 - 17:00	Slide Center	Room 101
10:00 - 10:40	Opening Session	Lecture Hall
10:40 - 11:50	Technical Session 1	Lecture Hall
11:50 - 13:20	Lunch	Cafeteria
13:20 - 14:50	Technical Session 2	Lecture Hall
14:50 - 15:20	Coffee Break	Lobby
15:20 - 16:30	Technical Session 3	Lecture Hall
16:30 - 17:00	General Meeting	Lecture Hall
17:30	Transportation Service to the Party Place	
18:00 - 20:00	The Tenth Anniversary Party	Hotel New Ohtani, Makuhari

### Thursday, September 30

9:15 - 14:00	Registration	Entrance Hall
9:15 - 14:00	Slide Center	Room 101
10:00 - 11:00	Technical Session 4	Lecture Hall
11:00 - 11:50	Technical Session 5	Lecture Hall
11:50 - 13:00	Lunch	Cafeteria
13:00 - 15:00	Technical Session 6	Lecture Hall
15:30 - 16:30	Special Lecture by Keynote Speaker	No.2 Seminar Room

## Introduction to Technical Sessions

### September 29

10:00 - 10:40 **Opening Session**

Chairperson: Makoto Miyairi (Japan Petroleum Exploration Co.)

10:40 - 11:50 Technical Session **3 Fractured Reservoir**

Chairperson: Masaru Nakamizu (Japan Oil, Gas and Metals National Corporation)

13:20 - 14:50 Technical Session **2 General Formation Evaluation-1**

Chairperson: Masashi Takayama (Japan Petroleum Exploration Co.)

14:50 - 15:20 Coffee Break

15:20 - 16:30 Technical Session **1 Acoustic Logging**

Chairperson: Hideki Saito (OYO Corporation)

16:30 - 17:00 **General Meeting**

Chairperson: Fumio Okitsu (Vice President of SPWLA Japan Chapter)

### September 30

10:00 - 11:00 Technical Session **4 General Formation Evaluation-2**

Chairperson: Masashi Fujiwara (Mitsui Oil Exploration Co.)

11:00 - 11:50 Technical Session **5 Geoengineering Application**

Chairperson: Jiro Watanabe (Geophysical Surveying Co.)

13:00 - 15:00 Technical Session **6 Well Test Analysis & Production Logging**

Chairperson: Tatsuki Endo (Schlumberger K.K.)

**Each oral presentation** is allocated 20 minutes including question and discussion. Speaker is notified elapsed time by bell. One ring notice indicate 15 minutes and two rings is 20 minutes.

**Official language** of this symposium is English . No simultaneous translation service is available in this symposium.

## Speaker Information

All speakers who use LCD are asked to carry their Power Point files and check them at the Reception Desk in Entrance Hall at their earliest convenience.

# Technical Program

## Wednesday, September 29

10:00 - 10:40

### Opening Session

Chairperson: Makoto Miyairi (Japan Petroleum Exploration Co.)

Opening Address: Norio Arihara (President, SPWLA Japan Chapter)

Keynote Address: **Log Interpretation in High Angle and Horizontal Wells**,  
Jim Klein (SPWLA Distinguished Speaker)

Introduction of Technical Sessions

10:40 - 11:50 Session 1

### Fractured Reservoir

Chairperson: Masaru Nakamizu (Japan Oil, Gas and Metals National Corporation)

- A **Numerical simulation of hydraulic shearing and related AE activity in fractured gas reservoir:** K.Tezuka, T.Tamagawa (Japan Petroleum Exploration Co.) and K.Watanabe (Richstone Co.)
- B **Microseismic monitoring of a hydraulic injection test at the Yufutsu gas reservoir:** J. Drew, P.Primeiro (Schlumberger K.K.), D. Leslie, G. Michaud, L. Eisner (Schlumberger Cambridge) and K.Tezuka (Japan Petroleum Exploration Co.)
- C **Waveform analyses for the Yufutsu hydraulic fracture monitoring experiment, Hokkaido, Japan :** P.Primeiro (Schlumberger K.K.), L. Eisner (Schlumberger Cambridge) and K.Tezuka (Japan Petroleum Exploration Co.)

13:20 - 14:50 Session 2

### General Formation Evaluation-1

Chairperson: Masashi Takayama (Japan Petroleum Exploration Co.)

- D **A New Integrated Workflow to Optimize NMR Applications in Carbonate & Sandstone Reservoirs:** N. Al-Adani (Schlumberger), S. Hejri, M. Vaziri (PETRAN), A. Barati (PEDCO) and S. Yilmaz (Schlumberger)
- E **Combining NMR and Stoneley analysis for a better estimation of permeability in carbonate reservoirs:** Mohamed Tchambaz (Schlumberger)

- F Correlation of coal basins in north Japan by frequency analysis of well logging data from MITI wells: Hiroshi Oda ( Geological Survey of Japan, AIST)**

**15:20 - 16:30 Session 3**

**Acoustic Logging**

Chairperson: Hideki Saito (OYO Corporation)

- G Analysis of LWD Sonic Data in Very Slow Formation - Compressional Processing and Indirect Vp/Vs Estimation: Takeshi Endo, Shinji Yoneshima and Henri-Pierre Valero (Schlumberger K.K.)**
- H Compressional and Shear Velocity Data Identify and Quantify Fluids in Carbonates and Clastics -A Field Calibration Based Approach: K. M. Sundaram and Dhruba J Dutta (Schlumberger)**
- I Reservoir Fluids Identification Using Vp/Vs Crossplot: Hamada G.M (Cairo University)**

**16:30 - 17:00 General Meeting**

Chairperson: Fumio Okitsu(Vice President, SPWLA Japan Chapter)

**Thursday, September 30**

**10:00 - 11:00 Session 4**

**General Formation Evaluation 2**

Chairperson: Masashi Fujiwara (Mistui Oil Exploration Co.)

- J Seismic and Well Logging Analyses of BAHARIYA Formation in AGHAR Oil Field, Northern Western Desert, EGYPT.: GadAllah, M., Samir, A., Ghoneimi, A. and Nabih, M.A.( Zagazig University)**
- K An Approach for Evaluating Saturations in Clean/Shaly- Formations Using Sonic TT and Resistivity: Mostafa H. Kamel & Walid. M. Mabrouk (Cairo University )**
- L Suggested System of Formation Evaluation Using Sonic TT, Gamma-Ray and Resistivity Data in Clean/Shaly Sand Formations: Mostafa H. Kamel & Walid. M. Mabrouk (Cairo University )**

**11:00 - 11:50 Session 5**

## **Geoengineering Applications**

Chairperson: Jiro Watanabe (Geophysical Survying Co.)

- M** A study on new soil investigation method using seismic waves generated by dynamic penetration blows : Hideki Saito, Yoshinobu Murata (OYO Corp.) and Toshiyuki Takahara (Kanazawa Univ.)
- N** Logging by Gravity Hammering-An unique logging tool for near surface soil investigation : Fumio Okitsu (Consultant )

### **13:00 - 15:00 Session 6**

## **Well Test Analysis / Production Logging**

Chairperson: Tatsuki Endo (Schlumberger K.K.)

- O** Development of a prototype of fiber-optical PTF tool: Hiroshi Asanuma, Shoichi Takashima and Hiroaki Niitsuma (Tohoku University)
- P** Early Determination of PVT Data and Integration with Formation Testing information to reduce the Petrophysical Uncertainties in West Africa: Part-1 : Brendin Cronin and Adil G. Ceyhan (Schlumberger)
- Q** Formation Rate Analysis – A Simple and Robust Solution for Theoretical Formation Rate Analysis : James Sheng, Dan Georgi, and Alberto Mezzatesta (Baker Atlas)
- R** Geometric Correction Factors in an Anisotropic Formation : James Sheng (Baker Atlas)
- S** Estimate Horizontal and Vertical Permeability from Combining FRA and Buildup Analysis : James Sheng, Alberto Mezzatesta and Dan Georgi (Baker Atlas)

## **Special Lecture by the keynote speaker of the 10<sup>th</sup> symposium**

The keynote speaker, Dr. James D. Klein will present special lecture for SPWLA Japan Chapter, just after the symposium. Anybody can join us as long as seat is available.

**Title : Practical Aspects of Formation Evaluation**

**Lecturer : James D. Klein (ConocoPhillips)**

**Time : 15:30 – 16:30 , Sep. 30, 2004**

**Location : No.2 Seminar Room, JOGMEC-TRC**

### **About the Presentation:**

This talk will focus on issues that complicate log interpretation for oil and gas exploration and development. The first section will describe some common problems related to borehole influences and tool errors. The second section will cover a number of issues related to log interpretation for clastic reservoirs, including corrections for logs and core data, porosity and water saturation interpretation models, permeability prediction, and error quantification. The presentation shows a large number of examples to illustrate the various points.

### **Biographical Sketch of Dr. James D. Klein**

Jim works for ConocoPhillips as Principal Petrophysicist, after working 2 years for Phillips Petroleum and 17 years for ARCO. He obtained his B.S degree in Geophysics at the Colorado School of Mines, and M.S. and Ph.D. degrees in Geophysics at the University of Utah. During his career in petrophysics he has worked on a number of diverse reservoir characterization studies, and has developed expertise in a variety of logging technologies, including resistivity logging and modeling, through-casing resistivity, and electrical anisotropy. He has published approximately 20 papers on reservoir petrophysics and characterization, and has co-authored 5 patents. His activities in SPWLA include: President-elect, 2004-2005; VP Technology in 2001-2002; Regional Director, 1999-2000; co-chair of the topical conference on Anisotropy, 1999; awards for best paper published in the Log Analyst, years 1993 and 1997; distinguished speaker, 1992 and 1996; co-editor of two special issues of Petrophysics on anisotropy; and committee member for the SPWLA reprint volume on Resistivity Logging. In 2001 he received the SPWLA award for Distinguished Technical Achievement.

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**The Tenth Anniversary Party Special Event “A Real Gone Jazz !!”**

Ayako Shirasaki will perform with her piano trio as a special event at the Tenth Anniversary Party of Japan Formation Evaluation Society – A Chapter of SPWLA.

You will be fascinated with amazing jazz music.

It's a chance to hear a real gone jazz.



Legendary Pianist Kenny Barron has described Ayako as “...an extremely gifted musician. Ayako is blessed with great technique, a fertile and creative imagination, a firm understanding of the jazz tradition and a real love for the music.”

Don't miss it!

Ayako Shirasaki Trio featuring Ayako Shirasaki (piano); Yuzuru Inagaki (bass); Naokatu Suzuki (drums)

**The Tenth Anniversary Party**

Date : Wednesday, Sep. 29, 2004

Time : 6:00 p.m. – 8:00 p.m.

Location: Shell Room at Hotel NewOhtani Makuhari

Sponsored in part by SPWLA Japan Chapter

The Deadline for receipt of the Pre-Registration Form is September 15, 2004.





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## Symposium Sponsors



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## Symposium Committee 2004

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Vice-Chairman/Sponsorship Program	Fumio Okitsu, Consultant
Finance	Makoto Miyairi, Japan Petroleum Exploration Co., Ltd
Printing/Proceedings	Masaru Nakamizu, Japan National Oil Corp.
Pre-Registration	Shougo Okamoto, Teikoku Oil Co., Ltd
Registration	Sora Shin, Schlumberger K.K. GeoQuest
Technical Arrangement	Masashi Takayam, Japan Petroleum Exploration Co., Ltd
Convention Facilities	Shigemi Matsuda, Schlumberger K.K. GeoQuest
International Coordination	Masashi Fujiwara, Mitsui Oil Exploration Co.,Ltd
Award	Tatsuki Endo, Schlumberger K.K.
Entertainment	Makoto Sato, Mitsui & Co.
Gift	Jiro Watanabe, Geophysical Surveying Co., Ltd
Review	Hideki Saito, OYO Corporation
Review	Hiroshi Oda, Geological Survey of Japan, AIST
Review	Motoyuki Sato, Tohoku University
Review	Haruya Nakata, Geothermal Energy R & D Co.,Ltd.

### Corresponding Address:

: **Sora Shin**

Schlumberger K. K.  
2-7-1, Hamamatsu-cho, Minato-ku, Tokyo 105, Japan  
Tel: +81(3)3431-0996, Fax:+81(3)3431-1779,  
e-mail: [sshin@tokyo.oilfield.slb.com](mailto:sshin@tokyo.oilfield.slb.com)