The 19th Formation Evaluation Symposium of Japan

Special Session: High Temperature Environment

PROGRAM

JOGMEC-TRC, Chiba
September 26 - 27, 2013

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

http://www.geocities.jp/vmmiya/index.htm

* This program is subject to change due to the preparation of the symposium.
# Program

## Thursday, September 26

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Technical Session: Thursday, September 26

Opening Session

Chairperson: Tatsuki Endo (Schlumberger)

9:50 Opening Address: Kazuhiko Tezuka (President of JFES, JAPEX)

10:00 Keynote Address from SPWLA: David Kennedy (President-elect of SPWLA)

Special Session: High Temperature Environment 1

Chairperson: Masanori Kurihara (Waseda)

10:40 Invited Talk1: Temperature Circumstances and Possible Technologies in Various Conditions of Geothermal Wells for Power Generation: Haruya Nakata (Geothermal Energy Research & Development Co., Ltd.)

11:10 Invited Talk2: Japan Beyond-Brittle Project - Challenge for Engineered Development of HT/HP Geothermal Reservoirs: Hiroshi Asanuma (The National Institute of Advanced Industrial Science and Technology)

11:40 A Development of High Temperature PTS + Fluid Sampler Tool for a Highly Deviated Well: Satoshi Ujyo, Masashi Kato, Takashi Okabe (GERD)

12:00-13:15 Lunch

Special Session: High Temperature Environment 2

Chairperson: Tatsuya Sato (GERD)


13:35 C High-Pressure, High-Temperature Tool for Borehole Seismic Acquisition: Ryo Imai, Tatsuki Endo, John Tulett, Toru Ikegami, Jose Rubrico, Shinji Yoneshima, Toshimitsu Take, Takashi Yoshikawa, Makito Katayama (Schlumberger)


14:15 E Nanocomposites for HPHT Sealing System for Harsh Downhole Environments: Masaei Ito, Sotaro Yukutake, Osamu Osawa (Schlumberger), Hiroyuki Ueki (Shinshu University), Kenji Takeuchi, Toru Noguchi, Morinobu Endo (Shinshu University)

14:35-14:55 Coffee Break
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September 26-27, 2013, JOGMEC-TRC, Chiba

Reservoir Characterization 1

Chairperson: Masashi Fujiwara (Moeco)

14:55 F Geostatistical Simulation for Open Pit Design Optimization and Mine Economic Analysis in Decision-Making: Abu Bakarr Jalloh, Kyuro Sasaki, (Kyushu University)

15:15 G Numerical Simulation on Solubility of CO2 in Aquifer: Sith Sona, K. Sasaki, Y. Sagai, R. Fujuwara, (Kyushu University)

15:35 H EOR Development Screening of a Heterogeneous Heavy-Oil Field with Steam Injection: Ibrahim Suleiman AL-Hadabi, Kyuro Sasaki, Yuichi Sugai (Kyushu University)

15:55-16:15 Coffee Break

Reservoir Characterization 2

Chairperson: Nobuhiro Fujiki (Mitsubishi)

16:15 I Oil-Water Relative Permeability Curves for Fractures in Granite and limestone at Different Intrinsic Permeabilities: Keisuke Sakurai, Noriaki Watanabe, Takuya Ishibashi, Noriyoshi Tsuchiya (Tohoku University), Yutaka Ohsaki, Tetsuya Tamagawa, Masahiko Yagi (JAPEX)

16:35 J Poroelastic Parameters of Sandstone Under Various Combinations of Pore Pressure and Confining Pressure: Yuto Usui, Noriaki Watanabe, Akihisa Kizaki, Kiyotoshi Sakaguchi (Tohoku University)

16:55-17:15 General Meeting

17:30-19:00 Icebreaker
## Technical Session: Friday, September 27

### Scientific Drilling

**Chairperson: Kazuhiro Takahashi (JAPEX)**

**9:40** O  **Temperature Observatory Installed in the Borehole of the Japan Trench Fast Drilling Project (JFAST):** Yasuyuki Kano (Kyoto University), Patrick Fulton, Emily Brodsky (UC Santa Cruz), James Mori (Kyoto University), Frederick Chester (Texas A&M University), Nori Kyo, Yasuhiro Namba, Nobu Eguchi, Sean Toczko, Takafumi Kasaya (Marine-Earth Science and Technology), Yoshihiro Ito (Tohoku University), Expedition 343 Scientists

**10:00** N  **Downhole Formation Fluid Sampling in Deep Coalbed Biosphere Off-Shore Shimokita, Japan:** Yoshinori Sanada (JAMSTEC), Yasuhiro Yamada (Kyoto University), Fumio Inagaki, Kai-Uwe Hinrichs, Yusuke Kubo, Moe Kyaw Thu (JAMSTEC)

**10:20-10:40** Coffee Break

### New Technology

**Chairperson: Hideo Komatsu (INPEX)**

**10:40** K  **Logging-While-Drilling Tool Design for High-Quality Sonic Measurements:** Jean-Christophe Auchere, Yu Hatori, Atsushi Oshima, Hiroaki Yamamoto, Hiroshi Hori, Takeo Fujihara, Hiroshi Nakajima, Henri-Pierre Valero (Schlumberger)

**11:00** L  **FOECT PS: Fiber Enabled Coiled Tubing for Production Services:** Jordi Segura, Khalid Ouababa, Azwan Hadi Keong (Schlumberger)

**11:20** M  **Invited Talk: Introducing a Downhole Laboratory for Rock Floods:** Jonathan Hall, Fathy El Wazir (Abu Dhabi Company for Onshore Operations), Raghu Ramamoorthy, Koksal Cig, Suvodip Dasgupta (Schlumberger)

**11:40** FF  **Dispersion Characteristics of Leaky Compressional Mode with LWD Sonic:** Wataru Izuhara, Yoshihiro Kinoshita, Hiroaki Yamamoto (Schlumberger)

**12:00-13:15** Lunch

### General Formation Evaluation

**Chairperson: Hisao Ito (Independent Scientist)**

**13:15** Q  **Step Change to Identify Fractures While Drilling:** Magdi Bazara, Salim Al-Abri, Zainab Al-Kindi (Schlumberger), Zaaima Al-Ghafri (Petroleum Development of Oman)

**13:35** R  **Estimation of Erosion Thickness of the Middle Miocene Unconformity (MMU) Using Sonic Log in the Pattani Trough, Gulf of Thailand:** Masashi Fujiwara, Nobuaki Sato (MOECO)

**13:55** S  **Revolution of Horizontal Well Formation Evaluation to Promote the Deep & Complex Reservoir Development --Case Studies from Tarim Basin, China:** Xiang Bin Nie, Shim Yen Han, Zhao Li Jun (Schlumberger), Xiao Cheng Wen, Fan Wen Tong, Zhu Yi (PetroChaina Tarim Oilfield Company)

**14:15-14:30** Coffee Break
Reservoir Characterization 3

Chairperson: Koji Kusaka (Schlumberger)

14:30  T  Formation Micro Images and Seismic Inversion Are Powerful Tools for Reservoir Characterization in the Senoro Field: Deddy Hasanusi, Rahmat Wijaya, Neni Herawati (JOB Pertamina-Medco E&P Tomori Sulawesi)

14:50  V  The Threshold Capillary Pressure Affected by the Different Properties of Injection Gases: Kei Kawaura, Kohei Akaku, Masanori Nakano (JAPEX)

15:10  W  Time-Lapse P-Wave Velocity Variation Indicating the Transition from Patchy to Uniform Saturation While CO2 Monitoring: Wataru Sekiguchi, Isao Takahashi, Mayu Otake (INPEX)

15:30-15:50  Coffee Break

LWD

Chairperson: Koji Kusaka (Schlumberger)

15:50  X  On Combined Use of Bed Boundary Logs and Formation Testing While Drilling to Estimate Well Productivity: Younes Jalali, Shahid Haq (Schlumberger)

16:10  Y  Logging While Drilling for Shallow Hazard Detection; the Challenges of Large Hole Acoustic Logging: Matthew Blyth, Hiroaki Yamamoto, Vivian Pistre (Schlumberger)

16:30-16:45  Closing

Poster

AA  LWD Images New Technology Steering a Well: Magdi Bazara, Janine Maalouf, Dia, Abdelwahid, Said Al Balushi, Ahmed Farah (Schlumberger), Waleed Bulushi (Petroleum Development of Oman)

GG  Introduction of High Temperature Acoustic Borehole Televiewer Tool and Ultra High Temperature Memory Gauge: Satoru Hada, Shumin LIN, Masato Nakadai, (Geophysical Surveying Co.,Ltd)
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- [JAPEX](#) 
- [INPEX](#) 
- [CTC](#) 
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- [Schlumberger](#) 

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- [GERD](#) 
- [GSC](#) 
- [JGI](#)
Symposium Committee 2013

Chairman: Kazuhiko Tezuka, JAPEX
Program: Tatsuki Endo, Schlumberger K.K.
Finance: Kunihiro Tsuchida, JOGMEC
Printing/Proceedings: Hideo Komatsu, INPEX Corporation
Pre-Registration: Kinuko Yanagi, Schlumberger K.K.
Registration/Sponsor: Masashi Fujiwara, Mitsui Oil Exploration Co., Ltd.
Technical Arrangement: Koji Kusaka, Schlumberger K.K.
Convention Facilities: Kazuhiro Takahashi, JAPEX
International Coordination: Osamu Osawa, Schlumberger K.K.
Award/Gift: Hideki Saito, OYO Corporation
Entertainment: Masato Nakadai, Geophysical Surveying Co., Ltd.
Review: Nobuhiro Fujiki, Mitsubishi Corporation Exploration Co, Ltd.
Review: Hisao Ito, Independent Scientist

Corresponding Address:

**Kinuko Yanagi**
Schlumberger K.K.
2-2-1 Fuchinobe, Chuo, Sagamihara, Kanagawa 252-0206, Japan
Tel: +81 (42) 759-5703, Fax:+81 (42) 759-4271
e-mail: KYanagi@slb.com
Registration Information

REGISTRATION FEE

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<td>Member or Speaker</td>
<td>5,000 yen</td>
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Registration fee entitles a delegate to:
- Proceedings
- Technical program

HOW TO REGISTER

The enclosed Pre-Registration Form must be returned to:
Kinuko Yanagi
Schlumberger K.K.
2-2-1 Fuchinobe, Chuo, Sagamihara, Kanagawa 252-0206, Japan
Tel: +81 (42) 759-5703, Fax:+81 (42) 759-4271
e-mail: KYanagi@slb.com

The Deadline for the receipt of the Pre-Registration Form will be **September 17, 2013**.
No prior proof of payment is necessary. If any change in your registration is necessary, it must be made in writing to the above address no later than September 18. No changes or cancellations can be made by telephone. Any registration after September 18 is requested to be made on site.

HOW TO PAY

All payments should be made on site by cash in Japanese Yen.
No check or credit card will be accepted.

Speaker Information

All speakers are asked to make pre-registration by **August 31, 2013**.

LCD projector is available. All speakers who use LCD are asked to carry their Power Point files by CD ROM or USB memory and register them in the Slide Center corner at their earliest of convenience.
Each oral presentation is allocated **20 minutes** including question and discussion. Presentation should be made in **English**.
General Information

DATE: Thursday, September 26, and Friday, September 27, 2013
VENUE: Technology & Research Center (TRC)
          Japan Oil, Gas and Metals National Corporation (JOGMEC)
          1-2-2, Hamada, Mihama-ku, Chiba 261-0025, Japan
          Tel: +81 (43) 276-9212

HOW TO GET TO THE JOGMEC-TRC:

From Makuhari-Hongo Station (JR Sobu Line; 40 min from Tokyo station)
  - 10 min. by taxi or 30 min. on foot
  - 10 min. by City bus (see below map and bus schedule)

From Kaihin-Makuhari Station (JR Keiyo Line; 30 min. from Tokyo station)
  - 10 min. by taxi or 20 min. on foot
  - 10 min. by City bus (see below map and bus schedule)

City Bus Service
City bus services are available from Makuhari-Hongo Station and Kaihinmakuhari station. Please refer to the bus schedule in the next page. The fare is 160yen. There are several bus lines between Makuhari-Hongo Station and Kaihinmakuhari station. Please take “Columbus City Line” and get off at “Sekiyukaihatu Gijyutu Center”.

![City Bus Map](image-url)
### Bus Schedule -Columbus City Line-

#### 路線図

- 東京：J.R.幕張本郷駅
- 幕張本郷駅（幕張本郷駅行き）
- 特急
- 沿線各駅
- 幕張本郷駅
- 海浜幕張駅
- 幕張本郷駅
- 新緑

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- 海浜幕張駅
- グラウディア駅
- 東京

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*幕張西第三公園止
**浜田緑地止
Accommodation and other travel arrangement

Should you require any assistance for visa, accommodation and other travel arrangement during the Symposium at JOGMEC-TRC Makuhari, please contact JFES Secretary at the following address by facsimile or E-mail:

Kinuko Yanagi  
Schlumberger K.K.  
2-2-1 Fuchinobe, Chuo, Sagamihara, Kanagawa 252-0206, Japan  
Tel: +81 (42) 759-5703, Fax:+81 (42) 759-4271  
e-mail: KYanagi@slb.com

In order to make proper arrangement, please send your request no later than August 20.

Land Transportation

For foreign visitors, limousine bus service is the most convenient from Narita Airport to the hotel. Please go to the orange colored "Friendly Airport Limousine Bus" booths, and get on the bus that goes to your hotel. “Keisei Bus” goes to Makuhari area. The cost of the bus will be around 2,400 – 3,000 yen depending on the destination.

Taxi to the hotel around Makuhari area is more than 10,000 yen. The taxi to the center of Tokyo will cost around 30,000 yen.

“Meet & Assist Service” is available on request. The request should be made at least 2 weeks in advance. It will cost about 12,000 yen or more additionally depending on the type of service of your request.

Accommodation

Some examples of the hotels in Makuhari and Tokyo area are listed below and available at your choice. The actual price will be available once the final itinerary is presented and confirmed.

Makuhari Area
20 min. walk to JOGMEC-TRC or 10 min. by taxi

JFES has a group booking at Hotel the Manhattan.
- Hotel the Manhattan  
  US$130 ~ US$180  
  (http://www.the-manhattan.co.jp/english/)

- Hotel Springs Makuhari  
  US$100 ~  
  (http://www.springs.co.jp/stay/english/index.html)

- APA Hotel & Resort Tokyo Bay Makuhari  
  US$100 ~  
  (http://www.tokyobay-makuhari.com/english/index.html)
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**Tokyo area**
40 min. to Makuhari Hongo (via Sobu Rapid Train Service) then JOGMEC-TRC bus to Symposium

- Shinagawa Prince Hotel  
  US$ 150 ~  
  (http://www.princehotelsjapan.com/shinagawaprincehotel/)

- Méricure Hotel Ginza Tokyo  
  US$ 150 ~  
  (http://www.mercure.com/mercure/fichehotel/gb/mer/5701/fiche_hotel.shtml)
The 19th Formation Evaluation Symposium of Japan  
JOGMEC-TRC, Chiba, Japan, September 26 - 27, 2013

Pre-Registration Form

Name: ____________________________ □ SPWLA Member  
□ Non-Member  
□ Speaker  
□ JOGMEC-TRC / Student

Institute or Company: ____________________________

Mailing address: ____________________________

Tel: ____________________________ Fax: ____________________________

e-mail: ____________________________

Fee
Registration: Member or Speaker □ 5,000 yen  
Non-Member □ 6,000 yen  
Student □ free

Total ____________________________ yen

Please circle: 26th / 27th Icebreaker  
Signature:

Please return this form complete by September 17, 2013 to;

Kinuko Yanagi  
Schlumberger K.K.  
2-2-1 Fuchinobe, Chuo, Sagamihara, Kanagawa 252-0206, Japan  
Tel: +81 (42) 759-5703, Fax:+81 (42) 759-4271  
e-mail: KYanagi@slb.com