

# The 16th Formation Evaluation Symposium of Japan

- Special Session: CCS -

## PROGRAM

**JOGMEC-TRC, Chiba**  
**October 7 - 8, 2010**

Sponsored by Japan Formation Evaluation Society – A Chapter of SPWLA  
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# Technical Program Timetable

## Thursday, October 7

9:00 - 17:00	<i>Registration</i>	Entrance Hall
9:00 - 17:00	<i>Slide Center</i>	Entrance Hall
9:30 - 10:00	Opening Session	Lecture Hall
10:00 - 10:40	Special Session: CCS 1	Lecture Hall
10:40 - 11:00	<i>Coffee Break</i>	Lobby
11:00 - 12:20	Special Session: CCS 2	Lecture Hall
12:20 - 13:30	<i>Lunch</i>	Cafeteria
13:30 - 14:50	Fracture Delineation	Lecture Hall
14:50 - 15:10	<i>Coffee Break</i>	Lobby
15:10 - 15:50	Reservoir Characterization 1	Lecture Hall
15:50 - 16:10	<i>Coffee Break</i>	Lobby
16:10 - 17:10	Unconventional Reservoirs	Lecture Hall
17:30 - 19:30	<i>Icebreaker</i>	Cafeteria

## Friday, October 8

10:00 - 11:00	New Technology / Geophysical Application	Lecture Hall
11:00 - 11:20	<i>Coffee Break</i>	Lobby
11:20 - 12:00	New Technology / Geophysical Application	Lecture Hall
12:00 - 13:00	<i>Lunch</i>	Cafeteria
13:00 - 14:40	Scientific Drilling	Lecture Hall
14:40 - 15:00	<i>Coffee Break</i>	Lobby
15:00 - 15:40	Reservoir Characterization 2	Lecture Hall
15:40 - 16:10	<i>Closing</i>	Lecture Hall

## Technical Program: Thursday, October 7

### Opening Session

Chairperson: Kazuhiko Tezuka (JAPEX)

- 9:30**            **Opening Address: Welcome to the JFES Symposium:** Makoto Miyairi (President of JFES, SKE)
- 9:40**            **Keynote Address: SPWLA: Advancing Petrophysics Towards an Unconventional Future.. Facing the Challenges:** Matt Bratovich (President of SPWLA, Baker Hughes)

### Special Session: CCS

Chairperson: Koji Kusaka (Schlumberger)

- 10:00**            **Invited Talk: Integrated Well-based Monitoring of Injected CO2 at the Nagaoka Pilot Site:** Ziqiu Xue (Research Institute of Innovative Technology for the Earth: RITE)
- 10:40-11:00**            **Coffee Break**
- 11:00**            **A CO2 Sequestration into Hydrothermal System at Ogachi Hot Dry Rock Site, Japan and a New Monitoring System for “In Situ Analyses” of Calcite Precipitation:** Akira Ueda (Kyoto University), Akiko Ozawa, Kazutoshi Sugiyama, Tadashi Yamakawa, Hisao Satoh (Mitsubishi Materials Corp.)
- 11:20**            **B Evaluation of the Sealing Efficiency for CCS (A Case Study for Osaka Bay):** Hiroshi Kameya, Junya Takeshima, Hiroyuki Azuma, Shinichi Hiramatsu (Oyo corporation)
- 11:40**            **C Measurement of Threshold Capillary Pressures for Seal Rocks Using the Step-by-Step Approach and the Residual Pressure Approach:** Daisuke Ito, Kohei Akaku, Takashi Okabe, Takashi Takahashi, Takashi Tsuji (JAPEX)
- 12:00**            **D Japan is Moving Forward to Large-Scale CCS Demonstrations:** Masanori Abe (JAPAN CCS Co., LTD.)
- 12:20-13:30**            **Lunch**

### Fracture Delineation

Chairperson: Hideki Saito (OYO Corporation)

- 13:30**            **E FDTD Simulation of Electromagnetic Wave Scattering from a Rough Surface Synthesized by Fractal Theory:** Khamis Mansour, Motoyuki Sato (Tohoku University)
- 13:50**            **F Fracture Delineation in Volcanics – Case Studies in Junggar Basin, China:** Sun Zhong Chun, Wang Guo Bing, Luo Xin Ping (PetroChina), Wu Jin Long, Xian ChengGang, Yang Lei, He Yu Lou (Schlumberger)
- 14:10**            **G Analysis of Fracture Flow within Reservoir Core Sample under Confining Pressure by Numerical Modeling Coupled with X-ray Computed Tomography:** Noriaki Watanabe, Takauya Ishibashi, Nobuo Hirano, Noriyoshi Tsuchiya (Tohoku University), Yutaka Ohsaki, Tetsuya Tamagawa (JAPEX), Yoshihiro Tsuchiya, Hiroshi Okabe (JOGMEC)
- 14:30**            **H GPR Monitoring of Fracture Extension Induced by Hydraulic Fracturing:** Dong-Hun Kim, Motoyuki Sato (Tohoku University)

14:50-15:10      **Coffee Break**

## Reservoir Characterization 1

*Chairperson: Hiroshi Kozano (INPEX Corporation)*

**15:10      I   Formation Evaluation for Characterization, Quantification, Identification of Porosity & Flow Units Based on Electrical Image Derived Permeability in Heterogeneous Carbonates – Case Study Senoro Field, Indonesia:** Deddy Hasanusi, Rahmat Wijaya, Siswantoro (JOB Pertamina-Medco E&P Tomori Sulawesi.), Ananda Shankar Roy, Mahadevan S.Iyer (HALLIBURTON)

**15:30      J   Optimization of Well Positioning, Planning and Production for Green Field Fluvial-Deltaic Environment, Bohai Bay:** Zhao ChunMing, Wang GuoDong, Tan Lv (CNOOC), Ben Flack, Wu BaiLin, Gayatri Kartoatmodjo Xian ChengGang, (Schlumberger)

15:50-16:10      **Coffee Break**

## Unconventional Reservoirs

*Chairperson: Masashi Fujiwara (Mitsui Oil Exploration)*

**16:10      Invited Talk: : Mineral Spectroscopy Applications in Unconventional Reservoirs:**  
Matt Bratovich (Baker Hughes)

**16:30      O   Applicability of MSCL Data from Core to Formation Evaluation in the Eastern Nankai Trough:** Takayuki Kanno (Schlumberger), Kunio Akihisa, Satoshi Noguchi (JOGMEC)

**16:50      P   Well Log Interpretation of Methane Hydrate Bearing Unconsolidated Turbidites in the Eastern Nankai Trough:** Kunio Akihisa (JOGMEC), Takayuki Kanno (Schlumberger), Satoshi Noguchi, Tadaaki Shimada, Tatsuo Saeki (JOGMEC)

17:30              **Icebreaker**

## Technical Program: Friday, October 8

### New Technology / Geophysical Application

Chairperson: *Tatsuki Endo (Schlumberger)*

- 10:00 Q Identification of Reflected Phase by Coherence Analysis of 3D Hodogram and Application to Reflection Imaging:** Keita Tamakawa, Hiroshi Asanuma, Hiroaki Niitsuma (Tohoku University), Nobukazu Soma (AIST)
- 10:20 R RT Scanner Application for Identification of Gas Reservoir in Sandstone Reservoir of Deltaic Depositional Environment:** Benyamin (BPMIGAS)
- 10:40 S 2.25-in. Slim Sonic Tool with Multiple Conveyance Options:** Akihito Chikenji, Prachur Sah, David Scheibner, Hiroaki Yamamoto, Henri-Pierre Valero, Atsushi Shirota, Masahide Tohda, Mariko Ito, Qi Yang, Yoshino Sakata (Schlumberger)
- 11:00-11:20 Coffee Break**
- 11:20 U Source Rock Evaluation of Goru and Sember Formations of Southern Indus Basin, Pakistan by Interpretation of Wireline Logs:** Muhammad Haroon Tayyab, Naseem Aadil, Abdul Muntaqim Naji (University of Engineering & Technology, Lahore, Pakistan)
- 11:40 CC Wireline Formation Testing Replaces Drill Stem Test in Exploration & Appraisal Wells – A Comprehensive Case Study, Bohai Bay:** Li JunGuo, Wu ShuQing, Zhou JianShen (PetroChina), Xian ChengGang, Niu YuQiang, Feng LiXiang, Zhou JiaSheng (Schlumberger)
- 12:00-13:00 Lunch**

### Scientific Drilling

Chairperson: *Tetsuya Yamamoto (JAPEx)*

- 13:00 V Evaluation of the Core Recovery Results from the NanTroSEIZE Coring Expeditions:** Yuichi Shinmoto, Kazuyasu Wada, Eigo Miyazaki, Tsuyoshi Miyazaki (JAMSTEC)
- 13:20 W Sonic Scanner Logging at Site C0009 of IODP Expedition 319, NanTroSEIZE:** Hisao ITO (JAMSTEC), Yasuyuki Kano (Kyoto University), Hiroaki Yamamoto, Tadahiro Nagano (Schlumberger), Masataka Kinoshita (JAMSTEC), IODP 319 Scientific Party
- 13:40 X Stress Orientation and Magnitude in the TCDP Borehole:** Hung-Yu Wu, Kuo-Fong Ma (National Central University, Taiwan), Hisao Ito (JAMSTEC)
- 14:00 Y Long Offset Multi Level Walkaway and Circle VSP in Nankai Trough Offshore Kumanonada:** Yoshinori Sanada (JAMSTEC), Ryota Hino (Tohoku Univ), Masataka Kinoshita (JAMSTEC), Jin-Oh Park (University of Tokyo), Gregory Moore (Hawaii University), Nathan Bangs (Texas University), Roland von Huene (California University), NanTroSEIZE VSP team, IODP Expedition 319 Science Party
- 14:20 Z Temperature Logging at Site C0009 of IODP Expedition 319, NanTroSEIZE:** Yasuyuki Kano (Kyoto University), Masataka Kinoshita, Hisao Ito (JAMSTEC), Expedition 319 Scientists
- 14:40-15:00 Coffee Break**

## Reservoir Characterization 2

- 15:00    **M**    **Calculation of Modified Archie Equation Parameters and Permeability Prediction in an Iranian Offshore Oil Field:** Pejman Miar (Amirkabir University of Technology, Tehran), Sadjad Kazem Shiroodi (Iranian Offshore Oil Company), Masoud Lotfpour (Amirkabir University of Technology, Tehran), Mohammad Taghi Salehi (Petroleum University of Technology), Ahmad Reza Rabbani (Amirkabir University of Technology, Tehran)
- 15:20    **N**    **Application of Hexadecyl Trimetyl Ammonium Bromide (C16TAB) as a Surfactant for Enhanced Oil Recovery in Iranian Carbonate Reservoir: A Case Study:** Vahid Kanani (National Iranian South Oil Company), Mohammad Reza Shishesaz, Mojtaba Pordel Shahri (Petroleum University of Technology, Ahwaz, Iran)
- 15:40                    **Closing**

## Alternate

- AA**    *A New Model for Investigating Skin Radius in Naturally Fractured Reservoir:* Mojtaba Pordel Shahri (Petroleum University of Technology, Ahwaz, Iran), Mojtaba Mosleh Tehrani (National Iranian South Oil Company), Mehdi Amiri (Petroleum University of Technology, Ahwaz, Iran), Vahid Kanani (National Iranian South Oil Company)
- BB**    *Modified Scaling Equation of Spontaneous Imbibition by Introducing a New Wettability Index:* Mojtaba Pordel Shahri, Mohammad Jamialahmadi, Seyed Reza Shadizadeh (Petroleum University of Technology, Ahwaz, Iran)
- DD**    *Applying Laboratory Validated EOS-Based Downhole Fluid Characterization to Delump Downhole Fluid Analysis Compositions for Reservoir Continuity Analysis:* Guo Shu Sheng, Cai Jun, Yang Hong Jun (CNOOC Zhanjiang), Khong Chee Kin, Julian Zuo, Oliver C. Mullins, Michael David O'Keefe, Andreas Hausot (Schlumberger)

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## Symposium Committee 2010

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