

The 13th Formation Evaluation Symposium of Japan
September 27 - 28, 2007, JOGMEC-TRC, Chiba

Japan Formation Evaluation Society – A Chapter of SPWLA

The 13th Formation Evaluation Symposium of Japan

JOGMEC-TRC, Chiba
September 27 - 28, 2007

PROGRAM

Sponsored by Japan Formation Evaluation Society – A Chapter of SPWLA
Cosponsored by Technology & Research Center, Japan Oil, Gas and Metals
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Supported by Japanese Association for Petroleum Technology
Society of Exploration Geophysicist of Japan
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Society of Petroleum Engineers, Japan Section

Technical Program Timetable

Thursday, September 27

9:15 - 17:00	<i>Registration</i>	Entrance Hall
9:15 - 17:00	<i>Slide Center</i>	Room 101
10:00 - 10:50	Opening Session	Lecture Hall
10:50 - 12:10	Scientific Drilling	Lecture Hall
12:10 - 13:10	<i>Lunch</i>	Cafeteria
13:10 - 15:50	Special Session	Lecture Hall
15:50 - 16:10	<i>Coffee Break</i>	Lobby
16:10 - 17:10	Fractured Reservoir / Microseismics	Lecture Hall
17:10 - 17:30	Annual Business Meeting	Lecture Hall
17:45 - 19:15	<i>Icebreaker</i>	Cafeteria

Friday, September 28

9:30 - 10:30	New Tool / New Technology 1	Lecture Hall
10:30 - 10:50	<i>Coffee Break</i>	Lobby
10:50 - 12:10	New Tool / New Technology 2	Lecture Hall
12:10 - 13:10	<i>Lunch</i>	Cafeteria
13:10 - 14:10	Reservoir Characterization	Lecture Hall
14:10 - 14:30	<i>Coffee Break</i>	Lobby
14:30 - 15:50	General Formation Evaluation 1	Lecture Hall
15:50 - 16:10	<i>Coffee Break</i>	Lobby
16:10 - 17:10	General Formation Evaluation 2	Lecture Hall
17:10 - 17:15	<i>Closing</i>	Lecture Hall

Technical Program

Thursday, September 27

10:00-10:50 Opening Session

Chairperson: Kazuhiko Tezuka (JAPEX)

Opening Address: Makoto Miyairi (Chairman of the Symposium, JAPEX)

Keynote Address: SPWLA - Supporting Global Growth in Petrophysics; a Key Element of Geosciences and the Search for Energy Resources:
Terry Quinn (President Elect of SPWLA, INTEQ, Baker Hughes)

10:50-12:10 Scientific Drilling

Chairperson: Tatsuki Endo (Schlumberger)

- A Drilling a Deep-Water Coral Mound and its Geological Significance:** Chiduru Takashima (Hiroshima University), Noriko Kawagoe (Hiroshima University), Kazuto Ohmori (Hokkaido University), Akihiro Kano (Hiroshima University), Tsuyoshi Ishikawa (Kochi Institute for Core Sample Research, JAMSTEC), Timothy G. Ferdelman (Max-Planck-Institute for Marine Microbiology), Trevor Williams (Lamont-Doherty Earth Observatory), Jean-Pierre Henriot (Universiteit Gent)
- B Precise Temperature Measurements and Earthquake Heat Associated with the 1999 Chi-Chi, Taiwan Earthquake:** Yasuyuki Kano (Disaster Prevention Research Institute, Kyoto University), Hisao Ito (CDEX, JAMSTEC), Osamu Matsubayashi (AIST), Jim Mori (Disaster Prevention Research Institute, Kyoto University)
- C Elastic Properties of Soft Sediments in the Brazos-Trinity Basin IV and the Ursa Basin, Deep Water in the Gulf of Mexico.:** Nguyen Thi Thanh Binh, Tomochika Tokunaga (University of Tokyo), Gerardo J. Iturrino (University of Colombia), Toshiaki Nakamura, Masayuki Nakazima, Masako Kubota (Dia Consultants), Hiroshi Kameya, Minoru Taniue (OYO Corporation), IODP Expedition 308 Shipboard Scientific Party.
- D Fault Characterization and Stress Estimates from TCDP Logging Results:** Hisao Ito (CDEX, JAMSTEC), Weiren Lin (Kochi Institute for Core Sample Research, JAMSTEC), Huang-Yu Wu and Jih-Hao Hung (National Central University, Taiwan)

12:10-13:10 Lunch

13:10-15:50 Special Session “Borehole Imaging”

Chairperson: Osamu Osawa (Schlumberger)

Invited Lecture: 13:10-14:10

Borehole Image as a Tool Box for Reservoir Description

Arnaud Etchecopar (Schlumberger Riboud Product Center)

- E Fractured Reservoir Characterization by Using Micro-resistivity Borehole Images:** Kazuhiko Tezuka, Tetsuya Tamagawa and Ryohei Kamitsuji (JAPEX)
- F Application of Borehole Images for Sedimentary Facies Analysis: An Example from Eocene Ishikari Group, Hokkaido, Japan:** Retno Widyaningrum, Tomochika Tokunaga (University of Tokyo), Osamu Takano, Takashi Tsuji (JAPEX)
- G Imaging Fracture Production: LWD Evaluation of Unconventional Plays:** Terry Quinn (INTEQ, Baker Hughes)
- H Estimation of 3-D Reflector Positions by Directional Borehole Radar with Cylindrical Dipole Array:** Satoshi Ebihara, Takafumi Ohnoki, Ryo Shinoda, Yasuyuki Kishimoto (Osaka Electro-Communication University)

Round Table Discussion: 15:30-15:40

[Break] 15:40-16:00

16:00-17:00 Fractured Reservoir / Microseismics

Chairperson: Hideki Saito (OYO Corporation)

- I Estimation of Fracture Network Associated with Slip on Fault in a Basement Reservoir:** Tetsuya Tamagawa (JAPEX)
- J An Experimental Study of Size Effect on Closure of a Tensile Fracture under Normal Stress:** Ausama A. Giwelli, Kiyotoshi Sakaguchi, Koji Matsuki (Tohoku University)
- K Delineation of Fracture Systems by Microseismic Monitoring in Yufutsu Gas Field, Japan:** Ryohei Kamitsuji, Kazuhiko Tezuka (JAPEX)
- BB (alternate) Simulation Sensitivity Analysis in Fractured Reservoir:** Zohreh Movahed (Iran Shahid Beheshti University) and Meisam Asharaf (Iran Sharif University of Technology)

17:10-17:30 Annual Business Meeting

Chairperson: Fumio Okitsu (Consultant)

17:45-19:15 Icebreaker at Cafeteria

Friday, September 28

9:30-10:30 New Tool / New Technology 1

Chairperson: Yusuke Kuwauchi (Mitsui Oil Exploration)

- L A Surprise Discovery Using Cased Hole Logs in the Tiaka Field, Sulawesi, Indonesia:** Deddy Hasanusi, Ricky Adi Wibowo, Edi Artono (PERTAMINA), Mario Petricola (Schlumberger)
- M Engineering the Next-Generation Downhole Fluid Analysis Tool:** Toru Terabayashi, Stephane Vannuffelen, Chengli Dong, Tsutomu Yamate, Sophie Godefroy, Ricardo Vasques, Eric Donzier, Richard Jackson and Michael O'Keefe (Schlumberger)
- N Performance of High Resolution Induction Tool (HRI) in WRBC:** Balaram Kundu, K. K. Prasad, Chatar Singh (ONGC, India)

[Break] 10:30-10:50

10:50-12:10 New Tool / New Technology 2

Chairperson: Koji Kusaka (Schlumberger)

- O Identification of By-Passed Oil by Measurement of Resistivity Behind Casing in Mumbai High, India: A Success Story:** Sunil Chaudhary, P. K. Jain, M. S. Murty, N. Chaudhary, V. K. Kansal (ONGC, India)
- P The Sensitivity Study of the Multi-Component Induction Data:** Cynthia Xue, Michael Rabinovich (Baker Hughes),
- Q High Resolution Dispersion Analysis of Array Sonic Waveforms:** Shinichi Sunaga, Shinji Yoneshima, Takeshi Endo, Toshihiro Kinoshita (Schlumberger)
- R Sonic Log Simulation Using Fuzzy Logic Theory:** Marcos Vinícius Leite, Abel Carrasquilla (UENF, Brazil) and Alexandre Leite (INPE, Brazil)
- CC (alternate) An Adaptive Neuro-fuzzy Method (ANFIS) for Generating Synthetic Logs:** Zabih O. Khaxar (University of Tehran), Reza Fakuri (Iran University of Science and Technology), Mohsen Khaxar (Arak University)

12:10-13:10 Lunch

13:10-14:10 Reservoir Characterization

Chairperson: Hiroshi Kozano (Teikoku Oil)

- S Geostatistical Approach using Well Log and Seismic Data to Define Reservoir Potential in Mature Field Case Study : “E” Sand, Mutiara Field, Kutai Basin, East Kalimantan:** Irma Hermawaty, Thomas Yunanto Yoga, Iranta Bona Sinaga, Nurhayati, Teguh Nugraha (Vico Indonesia), Benyamin (BPMIGAS, Indonesia)
- T A New Idea to Estimate Interstitial Shaliness of the McMurray Formation in Canada’s Athabasca Oil Sands:** Koji Kashihara, Takashi Tsuji (JAPEx)
- U An Estimate of Intrinsic Permeability in Clean Formation with Application :** Mostafa H. Kamel, Mohamad M. Gobashy, and Karter H. Makar (Cairo University)
- DD (alternate) Truthfulness of the Existence of the Pelusium Megashear Fault System, East of Cairo, Egypt:** Mohamed Ahmed Gamal (Cairo University)
- EE (alternate) Predicting Porosity by a GA-based Selective Neural Network Ensemble:** Zabih O. Khaxar (University of Tehran), Mohsen Khaxar (Arak University, Iran)

[Break] 14:10-14:30

14:30-15:50 General Formation Evaluation 1

Chairperson: Hiroshi Oda (Geological Survey of Japan, AIST)

- V A Study on the Nature of Borehole Instability through Time Lapse Log Measurement in the Clastic Reservoirs of Bhuvanagiri Field of South India.:** Priti Prasad Deo, S. Prabhakaran and Mohan Menon (ONGC, India)
- W Magnetic Resonance Measurements for Formation Fluid Evaluation:** Doug Murray, Sherif Farag (Schlumberger)
- X Porosity Typing and Productivity Analysis by Modified-Timur-Coates Permeability Model for Carbonates Using NMR and Conventional Log Data:** M. Mehmet Altunbay (Baker Atlas), Ko Ko Kyi, Selim Belhaouas, Norshuhada Shaharuddin (Petronas Carigali), Adriaan Bal, Songhua Chen (Baker Atlas)
- Y Prediction of Apparent Cohesion, Angle of Internal Friction and Poisson's Ratio of Various Types of Rocks Using Laboratory Measured Unconfined (Uniaxial) Compressive Strength:** Bandar Duraya Al-Anazi (King Saud University)
- FF (alternate) A Critical Role of Resistivity-Sonic-Density Combination on Seismic Parameters Evaluation In View of a New Relationship :** Mohamed M. Gobashy, Mostafa H. Kamel and Karter H. Makar (Cairo University)
- II (alternate) Enhanced Reservoir Description in Carbonate and Clastic Reservoirs:** Zohreh Movahed (Iran Shahid Beheshti University)

[Break] 15:50-16:10

16:10-17:10 General Formation Evaluation 2

Chairperson: Tetsuya Yamamoto (JAPEX)

- Z Determination of Petrophysical Properties of Tight Gas Sand Reservoir Using NMR and SCAL:** Gharib M. Hamada (King Fahd University of Petroleum & Minerals, Saudi Arabia)
- AA Nuclear Magnetic Resonance application in Indonesian Hydrocarbon Reservoirs:** Benyamin (BPMIGAS, Indonesia)
- GG Wire Line Log Reading Influenced by Cementing Job in Open Hole, in Kedungtuban-2 Well, Cepu Central Java, Indonesia:** Fahyani Suwidiyanto (PERTAMINA EP, Indonesia)
- HH** *(alternate) An Approach for Improving the Evaluation of Porosity and Water Saturation in Shaly/Sand Sequence using Resistivity and Acoustic Logs:* Mostafa H. Kamel, Walid M. Mabrouk, Karter H. Makar (Cairo University)

17:10-17:15 Closing

Symposium Sponsors



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