

The 15th Formation Evaluation Symposium of Japan

- Special Session: Well Test -

PROGRAM

**JOGMEC-TRC, Chiba
October 1 - 2, 2009**

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

JFES

*Japan
Formation Evaluation
Society*



<http://www.geocities.jp/yymmiva/index.htm>



Technical Program Timetable

Thursday, October 1

9:00 - 17:00	<i>Registration</i>	Entrance Hall
9:00 - 17:00	<i>Slide Center</i>	Room 101
9:30 - 10:00	Opening Session	Lecture Hall
10:00 - 10:40	Special Session (Well Test 1)	Lecture Hall
10:40 - 11:00	<i>Coffee Break</i>	Lobby
11:00 - 12:00	Special Session (Well Test 2)	Lecture Hall
12:00 - 13:30	<i>Lunch</i>	Cafeteria
13:30 - 15:10	Well Test / Methane Hydrate	Lecture Hall
15:10 - 15:30	<i>Coffee Break</i>	Lobby
15:30 - 16:50	Passive Seismic	Lecture Hall
16:50 - 17:30	General Meeting	Lecture Hall
17:30 - 19:30	<i>Icebreaker</i>	Cafeteria

Friday, October 2

9:20 - 10:20	Fractured Reservoir	Lecture Hall
10:20 - 10:40	<i>Coffee Break</i>	Lobby
10:40 - 12:00	New Technology	Lecture Hall
12:00 - 13:30	<i>Lunch</i>	Cafeteria
13:30 - 14:30	General Formation Evaluation	Lecture Hall
14:30 - 14:50	<i>Coffee Break</i>	Lobby
14:50 - 16:30	Scientific Drilling	Lecture Hall
16:30 - 17:00	Closing	Lecture Hall

Technical Program: Thursday, October 1

Opening Session

Chairperson: Kazuhiko Tezuka (JAPEX)

- 9:30** **Opening Address:** Makoto Miyairi (President of JFES, JAPEX)
- 9:40** **Keynote Address:** SPWLA - Advancing Petrophysics Towards An Unconventional Future: Matt Bratovich (President-Elect of SPWLA, Baker Hughes)

Special Session: Well Test

Chairperson: Osamu Osawa (Schlumberger)

- 10:00** **Invited Talk: Modern Reservoir Testing – what’s now, what’s next?:** Shahid Haq (Schlumberger)
- 10:40 – 11:00** **Coffee Break**
- 11:00** **A** **Interval Pressure Transient Test Compared to Drill Stem and Production Test:** Xu Lixiang, Cai Jun, Guo Shusheng, Wu Mu Wang, Hao Zhongtian, Pan Fuxi, Tan Congjian, Yang Hong Jun (CNOOC China Ltd), Khong Chee Kin, Chen Li (Schlumberger Oilfield Service S.A)
- 11:20** **B** **Vertical and Horizontal Permeability Estimation Using Combined Build-up and Formation Rate Analysis (FRA) from Formation Pressure While Drilling (FPWD)**
Tool: Leifeng Zhou (Baker Hughes Inc.), James Sheng (Total E&P), Stephen Glenn (ExxonMobil), Marco Lallemand (Baker Hughes Inc.)
- 11:40** **C** **Outline of the In-Situ Hydraulic Tests using MDT Tool at 2.7 ~ 3.6 km below Sea Level in the First Riser Hole on the NanTroSEIZE Operation:** Yasuyuki Kano (Kyoto University), D. Boutt (University of Massachusetts-Amherst), M.L. Doan (Université Joseph Fourier), P.B. Flemings (University of Texas, Austin), T. Ito (Tohoku University), W. Lin (JAMSTEC), Demian Saffer (Pennsylvania State University), Eiichiro Araki (JAMSTEC), Tim Byrne (University of Connecticut), M. Kyaw Thu (JAMSTEC), Hisao Ito (JAMSTEC), IODP Expedition 319 Scientists
- 12:00 – 13:30** **Lunch**

Well Test / Methane Hydrates

Chairperson: Masashi Fujiwara (Mitsui Oil Exploration)

- 13:30** **Invited Talk: Dynamics in LWD Formation Pressure Testing and Implications:** Matt Bratovich (Baker Hughes)
- 13:50** **D** **The Expanding Scope of Well Testing:** Koji Kusaka, Mitsuhiro Sugisaki (Schlumberger K.K.)
- 14:10** **E** **Production Techniques of Methane Hydrate and their Field Test Programs:** Koji Yamamoto (JOGMEC)
- 14:30** **F** **Analyses of MDT Tests and Production Tests Conducted in Methane Hydrate Reservoirs: Effectiveness and Limitations of These Tests:** Masanori Kurihara, Kunihiro Funatsu, Hisanao Ouchi (JOE), Yoshihiro Masuda (The University of Tokyo), Koji

Yamamoto (JOGMEC), Hideo Narita, Takao Ebinuma (AIST), Scott R. Dallimore
(Geological Survey of Canada)

- 14:50 G Key Factors for Depressurization-Induced Gas Production from Oceanic Methane Hydrates:** Yosuke Hariguchi (The University of Tokyo), Yoshihiro Konno (AIST), Yoshihiro Masuda (The University of Tokyo), Masanori Kurihara, Hisanao Ouchi (JOE)

15:10 – 15:30 Coffee Break

Passive Seismic

Chairperson: Hideki Saito (OYO)

- 15:30 H Interpretation of Fracture Network System Within the Hydraulically Stimulated Geothermal Reservoir at Basel Switzerland by Microseismic Multiplet Analysis:** Yusuke Kumano (JAPEx), Hiroshi Asanuma, Hiroaki Niitsuma (Tohoku University), Markus Häring (Geothermal Explorers Ltd.), Nicholas Deichmann (Swiss Seismological Service)
- 15:50 I Characteristics of Microseismic Events with Large Magnitude Collected while Stimulation of Geothermal Reservoir at Basel, Switzerland:** Yusuke Mukuhira, Hiroshi Asanuma, Hiroaki Niitsuma (Tohoku University), Markus Häring (Geothermal Explorer Ltd.), Nicholas Deichmann (Swiss Seismological Service)
- 16:10 J Crosswell Seismic Reflection Survey without Borehole Sources using Seismic Interferometry:** Shohei Minato, Toshifumi Matsuoka, Takeshi Tsuji (Kyoto University)
- 16:30 K Mapping of Fractured Geothermal Reservoir at Cooper Basin, Australia by Microseismic Multiplets:** Hiroshi Asanuma, Yasuhiro Kenmoku, Yusuke Kawamura (Tohoku University), Yusuke Kumano (JAPEx), Hiroaki Niitsuma (Tohoku University), Doone Wyborn (Geodynamics Ltd.)
- 16:50 General Meeting**
- 17:30 Icebreaker**

Technical Program: Friday, October 2

Fractured Reservoir

Chairperson: *Hiroshi Kozano (INPEX CORPORATION)*

- 9:20 L Streamline-Based Three-Phase Dual Porosity Model:** Shusei Tanaka, Norio Arihara (Waseda University)
- 9:40 M Utilization of X-ray Computed Tomography in Three Dimensional Numerical Modeling of Fluid Flow through Fractured Rock Core:** Noriaki Watanabe (Tohoku University), Yutaka Ohsaki (JAPEx), Yoshihiro Tsuchiya (JOGMEC), Tetsuya Tamagawa (JAPEx), Nobuo Hirano (Tohoku University), Hiroshi Okabe (JOGMEC), Noriyoshi Tsuchiya (Tohoku University)
- 10:00 N Three Dimensional Analysis of Channeling Flow by New Discrete Fracture Network Model Simulator, GeoFlow:** Takuya Ishibashi, Noriaki Watanabe, Nobuo Hirano, Atsushi Okamoto, Noriyoshi Tsuchiya (Tohoku University)
- 10:20 – 10:40 Coffee Break**

New Technology

Chairperson: *Tatsuki Endo (Schlumberger)*

- 10:40 Invited Talk: Logging Technology in Future:** Fumio Okitsu
- 11:00 O Significant Impact of Look Ahead VSP on Understanding the Sub-Surface Ahead of Bit – Demonstrated Value Addition as well as Cost Savings in Deepwater Environment:** V.S.Rao (ONGC), Sreemanti Gijare, Rajeev Kumar, Sanjeev Dogra (Schlumberger)
- 11:20 P Numerical Simulation of Interwell Tracer Flow and Effluent Behavior Using Constrained Interpolation Profile (CIP) method:** Takashi Goda, Kozo Sato (University of Tokyo)
- 11:40 Q Evaluation of Borehole Mud Slowness from Sonic Waveforms:** Takeshi Endo, Zhenxin Zhang, Tom Bratton, Hiroaki Yamamoto (Schlumberger)
- 12:00 – 13:30 Lunch**

General Formation Evaluation

Chairperson: *Tetsuya Yamamoto (JAPEx)*

- 13:30 R Petrophysical Analysis on Low Permeability Reservoir:** Benyamin (Bp migas)
- 13:50 S Estimation of Pore Pressure and Fracture Gradient from Well logs: A Case Study from an Offshore Basin, Eastern India:** Rima Chatterjee, Suman Paul (ISM University), Ashani Kundan (ONGC)
- 14:10 T Saturation Calculation in Volcanic Reservoirs -A Case Study for Ha'erJin Structure in PetroChina Jilin OilField:** Xingwang Yang (China University of Petroleum, Beijing), Dawei Zhang (PetroChina Jilin Oilfield)
- 14:30– 14:50 Coffee Break**

Scientific Drilling

Chairperson: Hisao Ito (JAMSTEC)

- 14:50 U Model of Rock Mechanics Parameters and Wellbore Stability Evaluation With Formation Resistivity Data: Li Yong-Ping** (Petrochina), Ge Hong-Kui, Song Li-Li (China Earthquake Administration)
- 15:10 V Overview of NanTroSEIZE Riser Logging: Operational planning and reality: Moe Kyaw Thu**, Sanada Y., Kido Y., Kawamura, Y. (JAMSTEC), Coker D., Doan M. L., Kano Y., Moore C., Boutt D., Conin M., Flemings P., Ito T. Lin W. Araki E., Byrne T., McNeill L., Saffer D., Eguchi N., Takahashi K., Toczko S., Tobin H., Kinoshita M., Hino R. (Expedition 319 Shipboard Science Party), IODP Expedition 319 Scientists
- 15:30 W Preliminary Report: Compaction and Dewatering Process of New Jersey Shallow Shelf Based on Core-Log Integration from IODP Expedition 313: Hironori Otsuka** (The University of Tokyo), Gregory Mountain (Rutgers University), Jean-Noël Proust (CNRS, Université Rennes1), IODP Expedition 313 shipboard scientists
- 15:50 X Outline of the In-situ Stress Tests Using MDT Tool at 2.7 – 3.6 km below Sea Level in the First Riser Hole on the NanTroSEIZE Operation: Takatoshi Ito** (Tohoku University), Weiren Lin (JAMSTEC), Mai-Linh Doan (Université Joseph Fourier), David Boutt (University of Massachusetts), Yasuyuki Kano (Kyoto University), Peter Flemings (University Texas, Austin), Hisao Ito (JAMSTEC), IODP Expedition 319 Scientists
- 16:10 Y Development of Improved Core Bit based on Analysis of Coring during NanTroSEIZE Stage 1: Yuichi Shinmoto**, Yasuhiro Kawano, Kazuyasu Wada (CDEX-JAMSTEC)
- 16:30 Closing**

The 15th Formation Evaluation Symposium of Japan
October 1-2, 2009, JOGMEC-TRC, Chiba

Japan Formation Evaluation Society 15th Anniversary Special Event

「おくりびと」の音色にのせて

Nobuo Furukawa *Cello Concert*

*Nobuo Furukawa is the most famous, powerful and
artful cellist of Japan.*

*He is best known for his cello performance in the
Oscar winner movie "Okuribito".*

*JFES sends you the Cello Solo
as the 15th anniversary event.*

5:30 PM · Thursday · October · 1st · 2009

JOGMEC-TRC Cafeteria

JFES

Japan
Formation Evaluation
Society



Symposium Sponsors



Symposium Committee 2009

Chairman	Makoto Miyairi, SK Engineering Co., Ltd.
Vice-Chairman	Fumio Okitsu, Consultant
Program	Kazuhiko Tezuka, Japan Petroleum Exploration Co., Ltd.
Finance	Kunihiro Tsuchida, JOGMEC
Printing/Proceedings	Hiroshi Kozano, INPEX CORPORATION
Pre-Registration	Shizu Kobayashi, Schlumberger K.K.
Registration	Masashi Fujiwara, Mitsui Oil Exploration Co., Ltd.
Technical Arrangement	Osamu Osawa, Schlumberger K.K.
Convention Facilities	Tetsuya Yamamoto, Japan Petroleum Exploration Co., Ltd
International Coordination	Tatsuki Endo, Schlumberger K. K.
Award/Gift	Hideki Saito, OYO Corporation
Entertainment	Jiro Watanabe, Geophysical Surveying Co., Ltd.
Review	Hisao Ito, JAMSTEC
Review	Motoyuki Sato, Tohoku University
Review	Satoshi Ujyo, Geothermal Energy R & D Co., Ltd.
Review	Koji Kusaka, Schlumberger K.K.

Corresponding Address:

Shizu Kobayashi
Schlumberger K. K.
2-2-1 Fuchinobe, Sagamihara, Kanagawa 229-0006, Japan
Tel: +81 (42) 759-2115, Fax:+81 (42) 759-4271
e-mail: kobayashi4@slb.com

Registration Information

REGISTRATION FEE

	Pre-Registration (by Sep. 11)	On Site Registration
Member or Speaker	7,000 yen	8,000 yen
Non-member	8,000 yen	9,000 yen
Student	free	2,000 yen

Registration fee entitles a delegate to:

- Proceedings
- Technical program

HOW TO REGISTER

The enclosed Pre-Registration Form must be returned to :

Shizu Kobayashi
Schlumberger K.K.
2-2-1 Fuchinobe, Sagamihara, Kanagawa 229-0006, Japan
Tel: +81(42) 759 2115 Fax: +81(42) 759 4271
E-mail: kobayashi4@slb.com

The Deadline for the receipt of the **Pre-Registration** Form will be **September 11, 2009**.

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 11. No changes or cancellations can be made by telephone. Any registration after September 11 is requested to be made on site. The registration desk at the Entrance Hall will be open from 8:30 daily there.

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, 2009**.

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 Room 101 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, October 1, and Friday, October 2, 2009
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:

JOGMEC-TRC Bus Service

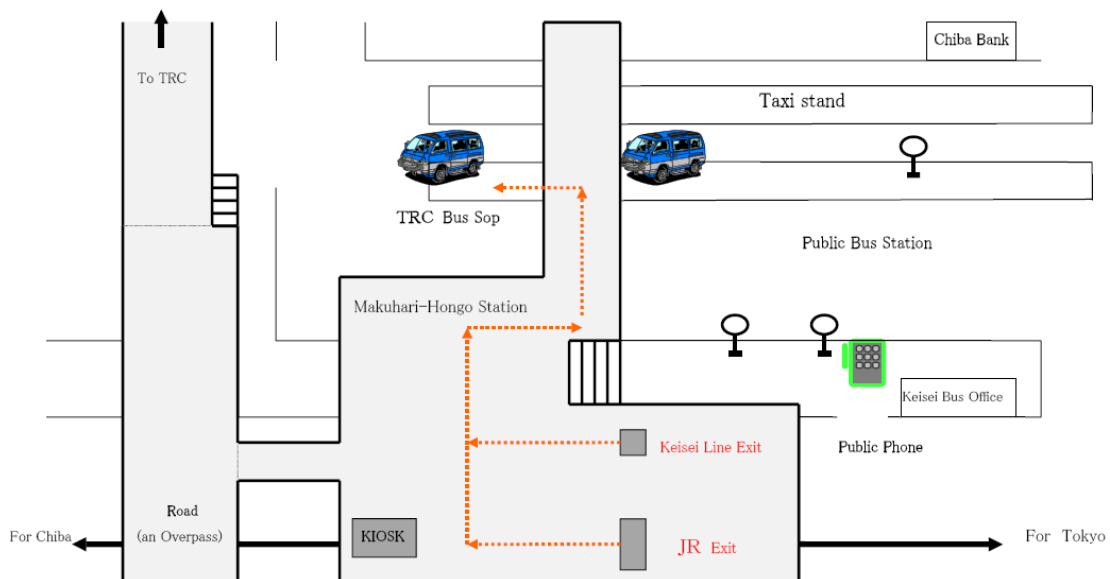
From Makuhari-Hongo Station (JR Sobu Line; 40 min from Tokyo station)

- 10 min. by taxi or 30 min. on foot
- 10 min. by JOGMEC-TRC shuttle bus (see below map)

The bus leaves Makuhari Hongo Station at 8:20, 8:35, 8:50, 9:05 and 9:20.

Please note that these buses for JOGMEC employees, you can ride in a bus if seat is available

Where to board a TRC Shuttle Bus at Makuhari Hongo Station

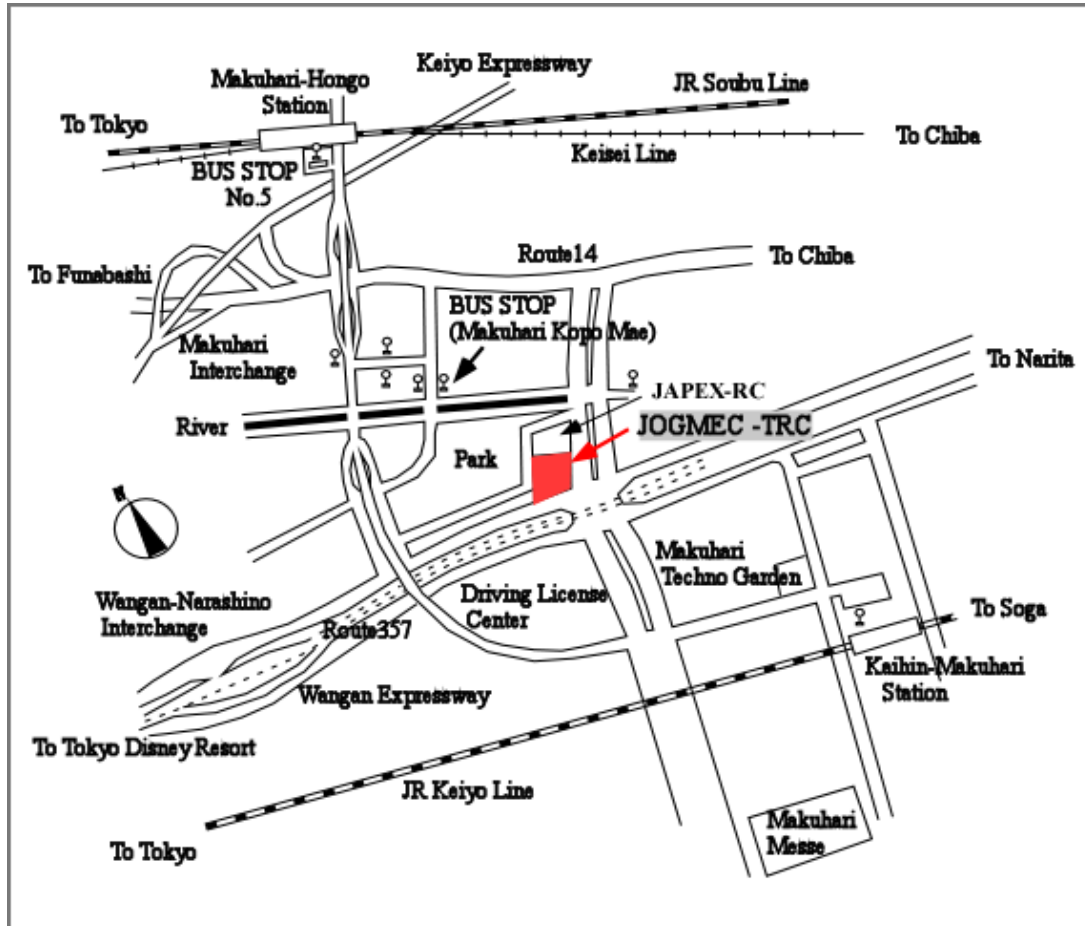


From Kaihin-Makuhari Station (JR Keiyo Line; 30 min. from Tokyo station)

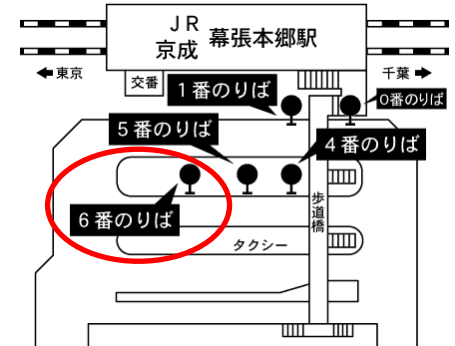
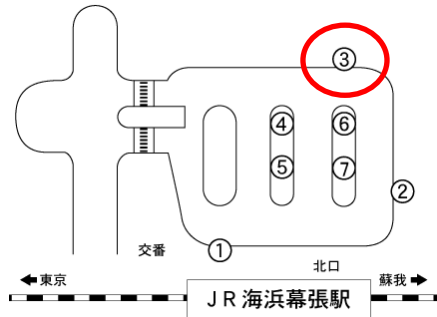
- 10 min. by taxi or 20 min. on foot

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”.



Bus Schedule -Columbus City Line-



海浜幕張駅
Kaihinmakuhari-Station

石油開発技術センター
Sekiyukaihatsugijyutu-Center
(JOGMEC-TRC)

幕張本郷駅
Makuharihongo-Station

幕張本郷駅行き (#22) (For Makuharihongo-Station)	
平日	
6	35 50
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9	05 25 45
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18	03 16 33 46
19	03 16 33 46
20	03 15 33 45
21	03 15 40
22	00*
*幕張西第三公園止	

幕張本郷駅行き (For Makuharihongo-Station)			海浜幕張駅行き (For Kaihinmakuhari-Station)		
平日			平日		
6	23 43 58	21 47			
7	13 28 43 58	07 22 34 52			
8	13 28 43 58	07 22 37 52			
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*幕張西第三公園止		**浜田緑地止			

海浜幕張駅行き (#6) (For Kaihinmakuhari-Station)	
平日	
6	40
7	00 15 27 45
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21	10 30 50
22	05**
**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:

Shizu Kobayashi

Schlumberger K.K.

2-2-1 Fuchinobe, Sagamihara, Kanagawa 229-0006, Japan

Tel: +81 (42) 759-2115, Fax:+81 (42) 759-4271

e-mail: kobayashi4@slb.com

In order to make proper arrangement, please send your request no later than August 15.

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 2,000 – 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

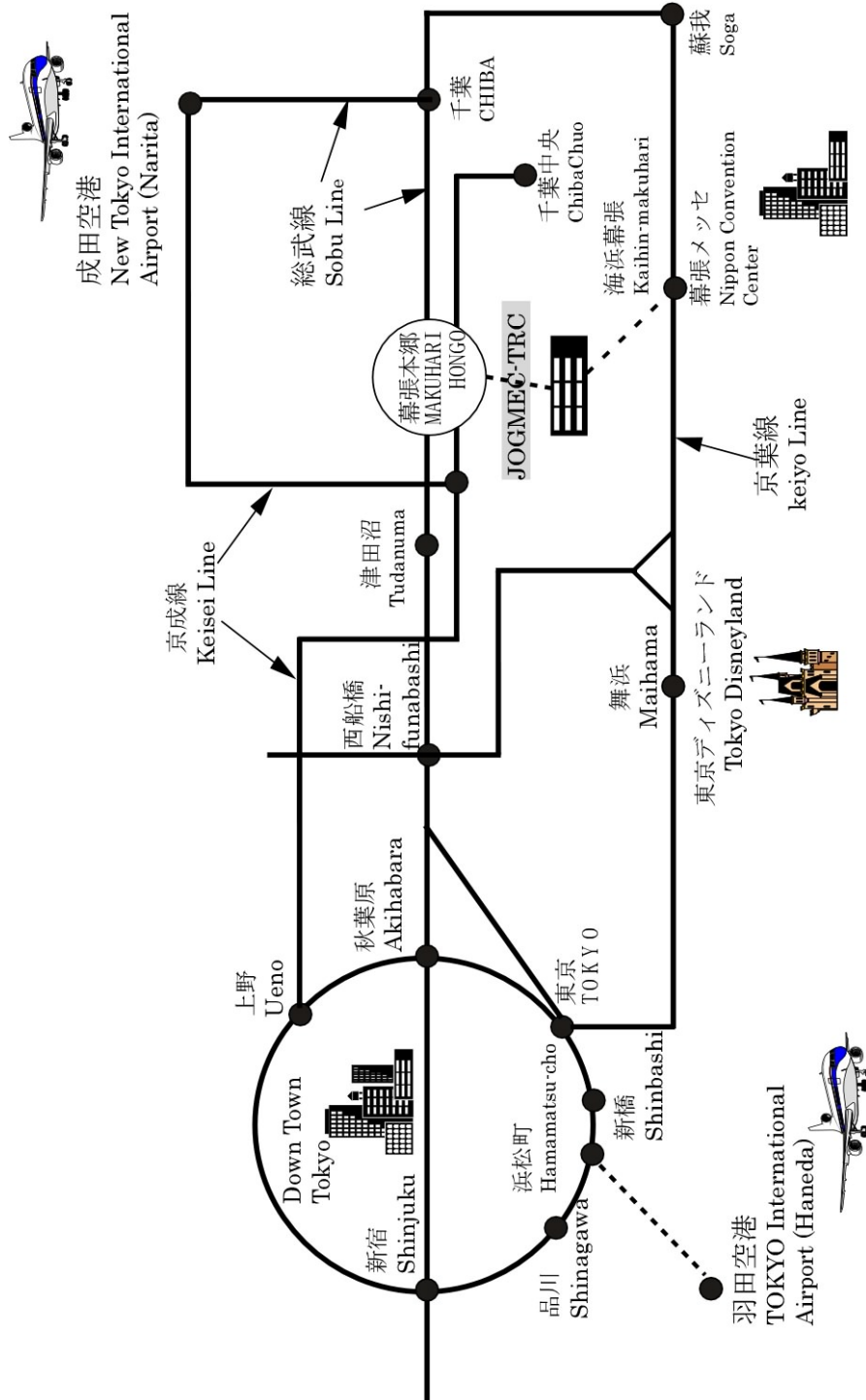
JFES has a group booking at Hotel the Manhattan.

- **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>)

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/>)
- Mércure Hotel Ginza Tokyo US\$ 150 ~
 (http://www.mercure.com/mercure/fichehotel/gb/mer/5701/fiche_hotel.shtml)



The 15th Formation Evaluation Symposium of Japan
JOGMEC-TRC, Chiba, Japan, October 1 - 2, 2009

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	<input type="checkbox"/> 7,000 yen
	Non-Member	<input type="checkbox"/> 8,000 yen
	Student	<input type="checkbox"/> free

Total _____ yen

Please circle: 1st / 2nd / Icebreaker

Signature: _____

Please return this form complete by **September 11, 2009** to;

Shizu Kobayashi
Schlumberger K. K.
2-2-1 Fuchinobe, Sagamihara, Kanagawa 229-0006, Japan
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