

**The 11th International Conference
on Northeast Asian Natural Gas and Pipeline:
- Multilateral Cooperation in Natural Gas and Pipeline
in Northeast Asia –**

Preliminary Program



**27th – 28th October, 2009
Shiba Park Hotel Tokyo, Japan**

**Northeast Asian Gas and Pipeline Forum
Asian Pipeline Research Society of Japan**

in collaboration with

**Asia Gas and Pipeline Cooperation Research Center of China
Asian Pipeline Research Society of the Russian Federation
Korea Pan-Asian Natural Gas and Pipeline Association
Mineral Resources and Petroleum Authority of Mongolia**

Objectives

It has been ten years since the Northeast Asian Gas and Pipeline Forum (NAGPF) which consists of five member countries including Russia, China, Korea, Mongolia and Japan was established in 1997. At that time, natural gas and its pipeline were so poorly developed in Northeast Asia that NAGPF has organized international conferences and conducted international joint researches in order to popularize the necessity of enhancement of natural gas development and utilization in Northeast Asia. NAGPF has organized ten times international conferences and four times international joint researches and has contributed to the promotion of natural gas and its infrastructure development.

During the last decade, the situation has been changing. In China, the West to East Gas Pipeline with total length 4,000km has been constructed. Now the total length of the pipeline in China is 32,000km. The 2nd West to East Gas Pipeline is being planned. In Korea, domestic pipeline network with total length 2,500km has been developed. Regarding the cross border natural gas trade, Sakhalin-2 project started LNG supplies to Japan and Asia Pacific Region in March 2009. It was announced that Russia and Korea will start the feasibility study on the natural gas transportation from Vladivostok of Russia to Korea. In terms of natural gas trade in Northeast Asia, now the stage is moving from the “primary stage” in which the importance of natural gas to be emphasized to the “growing stage” in which specific projects to be promoted. In the “growing stage”, although it is expected there might be conflicts of interests among the related countries, it is important to reconsider the future of multilateral energy cooperation in Northeast Asia.

In the circumstances, the 11th International Conference on Northeast Asian Natural Gas and Pipeline will be held. The main objective of this conference was to discuss multilateral cooperation in natural gas and its infrastructure among interested parties from both supply side and demand side.

We expect positive input and lively discussion from all the participants.

Program

Chairman

Mr. Fumio Sato

President, Northeast Asian Gas and Pipeline Forum (NAGPF)
President, Asian Pipeline Research Society of Japan (APRSJ)

Co-Chairmen

Mr. Shi Xunzhi

President of Asia Gas and Pipeline Cooperation Research Center
of China (AGPRCC)

Mr. Dal Young Park

President, Korea Pan-Asian Natural Gas and Pipeline
Association (KPGA)

Prof. Alexder F. Safronov

President, Asian Pipeline Research Society of the Russian
Federation (ROSASIAGAS)

Mr. Amraa Tsengemaa

Vice Chairman, Mineral Resources and Petroleum Authority of
Mongolia (MRPAM)

Conference Director

Dr. Kazuhiko O'hashi

Acting Secretary General, Northeast Asian Gas and Pipeline
Forum (NAGPF)

Opening Session (9:00 – 10:15)

Chaired by APRSJ

Opening Address **Mr. Fumio Sato**
President, Northeast Asian Gas and Pipeline Forum (NAGPF)

Congratulatory Addresses **Prof. Alexander F. Safronov**
President, Asian Pipeline Research Society of the Russian Federation (ROSASIAGAS)

Mr. Shi Xunzhi
President of Asia Gas and Pipeline Cooperation Research Center of China (AGPRCC)

Mr. Dal-Young Park
Chairman of Korea Pan-Asian natural Gas & Pipeline Association (KPGA)

Mr. Amraa Tsengemaa
Vice Chairman, Mineral Resources and Petroleum Authority of Mongolia (MRPAM)

Mr. Igor D. Ustinov
Counselor, Economic Affairs, Embassy of the Russian Federation in Japan

Keynote Speech **“Energy Cooperation making good use of natural gas in Northeast Asia”**
Dr. Makoto Taniguchi,
President, Northeast Asian Studies & Exchange Network (NEASE-Net)

Special Speech

Special Speech 1 **Mr. Shuichi Akamatsu**
Director, Economic Security Division, Economic Affairs Bureau, the Ministry of Foreign Affairs

Coffee Break (10:35 - 11:05)

Special Speech 2 **“Gasification Program of the eastern territories in Russia and the expectation for the Asian Pacific Region”**

Prof. Alexey Mastepanov (to be confirmed)

Councilor of the Deputy Chairman, the Board JSC Gazprom

Special Speech 3

“The Current Status of natural gas and natural gas infrastructure development in China ”

Ms. Shen Lian

Deputy Chief Economist, Planning Dept.,China National Petroleum Corporation (CNPC)

Special Speech 4

“Energy policy of Japan and the position of Natural Gas ”

Mr. Hirohide Hirai

Director, Petroleum and Natural Gas Division
Agency for Natural Resources and Energy

Lunch (12:10 - 13:30)

■ Session 1 (13:30 - 15:10)

“How to Promote Cooperation on Development of Oil and Gas Fields”

1) Objectives of the Session

- To clarify the expectation from Russia for the upstream development (fund, technology, effective utilization of Helium etc.)
- To clarify the requests from the perspective of foreign capital to Russia in the process of investment to the upstream development.
- To discuss how to cooperate in the upstream development in Russia
- To discuss the possibility for joint development of oil sand and coal liquefaction in Mongolia.

2) Speakers and discussants

Chair : Mr. Tadashi Sugimoto

Former Secretary-General, Japan-Russia Business Cooperation Committee,
Nippon Keidanren

Co-chair: Prof. Boris G. Saneev

Deputy Director, Energy Systems Institute of SB RAS

Speakers:

“Oil and Gas from Russia will be Delivered to the Asian-Pacific Market”

The 2nd day (28th October)

Prof. Leontiy Eder, Senior Researcher, Trofimuk Institute of Petroleum Geology and Geophysics, SB RAS

“Discussion of Business Co-operation Models Regarding Gas Field Development within the Framework of Multilateral Cooperation”

Mr. Wang Jingbo, Director, Planning & Financial Division, China-Russia Cooperation Dept. CNPC

“Japanese Strategy on Oil and Gas Business in Russia”

Mr. Masumi Motomura

Japan Oil, Gas and Metals National Corporation (JOGMEC)

“Current State of Play and Development of the Petroleum Sector of Mongolia”

Mineral Resources and Petroleum Authority of Mongolia (MRPAM)

Mr. Tuvshinjargal Avirmed

Officer, Contract, Exploration & Research Division, Petroleum Authority of Mongolia

Discussants:

Discussants will be joined in this session. Please refer the discussants' list on page 13.

Coffee Break (15:10 – 15:40)

■ Session 2 (15:40 - 17:30)

Cooperation on Natural Gas Infrastructure Development

1) Objectives of the Session

- To clarify the latest trend and tasks on development of natural gas pipeline (plan, finance, technology etc.)
- To clarify the latest trend and tasks on LNG development (plan, technology, finance etc.)
- To introduce the future vision of Natural Gas infrastructure in Northeast Asia
- To discuss how to cooperate on natural gas infrastructure development.

2) Speakers and discussants

Chair : Dr. Kim, Myeong-Nam,

Vice President of Russia Project Group, KOGAS

Co-chair: Mr. Tadashi Maeda

Head, Corporate Planning Department

Japan Bank for International Cooperation (JBIC)

The 2nd day (28th October)

Speakers:

“Role of Sakha Republic (Yakutia) Gaz Reserves in Program “VOSTOK” ”

Prof. Alexander F. Safronov

Chairman of Presidium Yakutia Scientific Center SB RAS

“Japan’s Cooperation to “Sakhalin=Vladivostok” Gas Pipeline Project”

Mr. Tadashi Maeda

Head, Corporate Planning Department, Japan Bank for International Cooperation (JBIC)

“Characteristics of Korea’s Gas Infra-structure and Their Implications”

Dr. Gi Chul Jung,

Chief Researcher, KOGAS

“A Long-term Vision of Natural Gas Infrastructure in NEA - 2009 Version -”

Dr. Kazuaki Hiraishi

Secretary, Northeast Asian Gas & Pipeline Forum (NAGPF)

“New Progress of Pipeline Technology in China”

Mr. Zhang Xuezheng

Assistant Chief Engineer, China Petroleum Pipeline Bureau, CNPC

Discussants:

Discussants will be joined in this session. Please refer the discussants’ list on page 13.

End of the 1st Day

Welcome Reception (18:00 – 19:30)

■ **Session 3 (9:00 – 10:40)**

Natural Gas Market and Trading

1) Target

- To clarify natural gas position in the energy market in Northeast Asia
- To discuss the competition and harmonization of PNG and LNG
- To discuss how to promote the natural gas trade in Northeast Asia

2) Speakers and discussants (to be confirmed)

Chair : Mr. Koichi Seki

General Manager, Fuel Department, Tokyo Electric Power Company, Incorporated
(TEPCO)

Co-chair : Mr. Tuvshinjargal Avirmed

Officer, Contract, Exploration & Research Division (MRPAM)

Speakers:

“Natural Gas Market: Evaluation of the Current Situation and Its Prospects in East Siberia and in the Far East”

Prof. Boris G. Saneev

Deputy Director, Energy Systems Institute of SB RAS

“Market Opportunities and Challenges for Northeast Asia Natural Gas Cooperation Projects”

Mr. Liu Hequn

Deputy Chief Engineer, China-Russia Cooperation Dept. China National Petroleum Corporation (CNPC)

“Present Status of World Gas Market in Northeast Asian Gas Market”

Dr. Kim Myeong-Nam

Vice President of Russia Project Group, KOGAS

“Outlook for the Natural Gas Market in Japan and Expectations on Natural Gas”

Mr. Kentaro Kimoto

General Manager, Strategy and Planning, Gas Resources Dept. Tokyo Gas Co., Ltd.

Discussants:

Discussants will be joined in this session. Please refer the discussants' list on page 13.

Coffee Break (10:40 – 11:10)

■ Session 4 (part 1) (11:10 -12:15)

Cooperation on Natural Gas related Technology

1) Target

- To introduce the advanced line pipe and laying technologies)
- To introduce the advanced technology of natural gas combined cycle power generation
- To introduce the advanced technology of stationary fuel cell in business and domestic sector
- To discuss how to cooperate in introducing the advanced natural gas related technology to Russia and China

2) Speakers and discussants

Chair : Dr. Kazuhiko O’hashi

Acting Secretary General, Northeast Asian Gas and Pipeline Forum (NAGPF)

Vice-Managing Director, Asian Pipeline Research Society of Japan(APRSJ)

Co-chair: Mr. Amraa Tsengemaa

Vice Chairman, Mineral Resources and Petroleum Authority of Mongolia (MRPAM)

Speakers:

“The Trunk Gas Pipeline Integrity and Risk Management based on 4D-GIS”

Mr. Kazuaki Iwamura, Central Research Laboratory, Hitachi, Ltd.

“FLNG Technology”

Mr. Duk Jong Yu, Offshore Sales Engineering Division, STX Offshore & Shipbuilding Co., Ltd.

“Hydrogen pipeline related topic”

Prof. Shuji Aihara, Department of Environmental & Ocean Engineering, School of Engineering, University of Tokyo

Lunch (12:25 - 13:30)

■ Session 4 (part 2) (13:30 -15:15)

Cooperation on Natural Gas related Technology

Chair : Dr. Kazuhiko O’hashi

Acting Secretary General, Northeast Asian Gas and Pipeline Forum (NAGPF)
Vice-Managing Director, Asian Pipeline Research Society of Japan (APRSJ)

Co-chair: Mr. Amraa Tsengemaa

Vice Chairman, Mineral Resources and Petroleum Authority of Mongolia (MRPAM)

Speakers:

“New Supply Chain of Natural Gas (GTL & NGH)”

Mr. Hirotaka Shimizu, Japan Oil, Gas and Metals National Corporation (JOGMEC)

“Mitsubishi Advanced Gas Turbine Technology for Natural Gas Utilization”

Mr. Toyoaki Komori, Power Systems Headquarters, Power Systems Plant Engineering & Construction Division, Power Systems Project Engineering Department Mitsubishi Heavy Industry corporate, Mitsubishi Heavy Industries, LTD., Japan

“Residential Fuel Cell Cogeneration System of Toshiba

Mr. Ryo Nakajima, Toshiba Power Systems Company

Discussants:

Discussants will be joined in this session. Please refer the discussants’ list on page 13.

Coffee Break (15:15 -15:45)

■ Session 5 (15:45 – 17:15)

The Framework of Stable Gas Supply and Demand in Northeast Asia

1) Target

- To analyze the January 2009 Russia-Ukraine natural gas crisis and its implication to Northeast Asia
- To discuss how to ensure the stable natural gas supply

2) Speakers and discussants (to be confirmed)

Chair : Mr. Liu Hequn

The 2nd day (28th October)

Deputy Chief Engineer, China-Russia Cooperation Dept. China National Petroleum Corporation (CNPC)

Co-chair: Mr. Susumu Abe

Managing Director, Asian Pipeline Research Society of Japan (APRSJ)

Speakers:

Dr. Jung, Young-Hun

Executive Director, Energy Policy Research Center, Korea Energy Economic Institute(KEEI)

“Any Lesson Available for North-East Asia from the Europe-Russia Gas Trade ?”

Mr. Satoshi Sakai

Senior Manager for Russia, Regional Strategy & Coordination Dept., Mitsubishi Corporation

“The Impact of GHG Mitigation on Natural Gas Demand in Western Pacific”

Dr. Sergey POPOV

Team Leader, Asia-Pacific Energy Research Centre (APEREC)

“Regional Development and Multilateral Cooperation in Northeast Asia: The Implications for Gas Sector Cooperation”

Mr. Hirofumi Arai

Deputy Director, Research Division, Economic Research Institute for Northeast Asia

Discussants:

Discussants will be joined in this session. Please refer the discussants' list on page 13.

Closing Session (17:20 - 17:50)

Chaired by APRSJ

Wrap up

Dr. Kazuhiko O'hashi

Acting Secretary General, Northeast Asian Gas and Pipeline Forum (NAGPF)

Vice-Managing Director, Asian Pipeline Research Society of Japan (APRSJ)

The 2nd day (28th October)

Tokyo Statement

Mr. Fumio Sato

President, Northeast Asian Gas and Pipeline Forum (NAGPF)

President, Asian Pipeline Research Society of Japan (APRSJ)

Inaugural Address

New President of NAGPF

Closing Address

Mr. Makoto Haya

Vice President, Asian Pipeline Research Society of Japan

Representative Director and President, Nippon Steel Engineering

Co., Ltd.

Farewell Party (18:00 – 19:30)

■ **Technical Tour (9:30 – 17:00)**

Kimitsu Works of Nippon Steel Corporation and Futtsu Thermal Power Station of TEPCO

On the 3rd day, we will visit “Kimitsu Works of Nippon Steel Corporation” and “Futtsu Thermal Power Station of TEPCO” in Chiba Pref. via Tokyo Bay Aqualine (undersea tunnel). You can enjoy the magnificent view from the artificial island on the middle of the Tokyo Bay.

Futtsu Thermal Power Station of TEPCO

The Futtsu Thermal Power Station, one of the most representative power stations using LNG run by Tokyo Electric, is currently undergoing expansion of facilities. When the facilities are completed, the station will become the world's largest thermal power station with a generating capacity of 5,040MW. The LNG terminal is also undergoing expansion work within the premises of the station. The LNG terminal, scheduled to handle 9 million tons of LNG a year, is expected to play an extremely important role in the future as the fuel supply terminal for approximately 10,000MW power generation, using gas pipelines and station gas pipelines which respectively feed gas at the pressures of 6.3MPa and 1.9MPa.

Kimitsu Works of Nippon Steel Corporation

At the Kimitsu Works, which is a core steelworks of Nippon Steel, they not only deliver products that satisfy our customers, but also actively carry out environmental preservation activities, energy conservation activities, and recycling of resources, and contribute to the development of the local society.

They efficiently manufacture a wide range of high quality products including bar steel, steel plates, steel sheets, and steel pipes, under coherent management covering the entire process from the raw material to the final product; thus satisfying the needs of the customers. They have produced Linepipe for natural gas Pipeline since 1970.

The List of Discussants

Members of Discussants are the following.

◆ **Russia**

Prof. Leontiy Eder

Senior Researcher, Trofimuk Institute of Petroleum Geology and Geophysics, SB RAS

Prof. Alexander F. Safronov

President, Asian Pipeline Research Society of the Russian Federation

Prof. Boris G. Saneev

Presidium Chairman, Yakutia Scientific Center of Siberian Branch of Russian Academy of Sciences

Mr. Alexander Kalmychek

Executive Secretary, ROSASIAGAS

◆ **China**

Mr. Shi Xunzhi

President, Asia Gas and Pipeline Cooperation Research Center of China

Mr. Xu Yonga, President

CNPC Research Institute of Economics and Technology

Mr. Liu Hequn

Deputy Chief Engineer, China-Russia Cooperation Dept.

Ms. Chen Ying

Secretary General, Asia Gas and Pipeline Cooperation Research Center of China

◆ **Korea**

Dr. Gi Chul Jung

Chief Researcher, Korea Gas Corporation, Korea

Dr. Young-Hun Jung

Executive Director, Korea Energy Economics Institute

Ms. Chung-Ah Moon

Assistant Manager, Korea Gas Corporation, Korea

◆ **Japan**

Mr. Tadashi Sugimoto

Former Secretary-General, Japan-Russia Business Cooperation Committee, Nippon Keidanren

Mr. Masumi Motomura

Japan Oil, Gas and Metals National Corporation (JOGMEC)

Mr. Satoshi Sakai

Senior Manager for Russia, Regional Strategy & Coordination Dept., Mitsubishi Corporation

The List of Discussants

Mr. Hirofumi Arai

Deputy Director, Research Division, Economic Research Institute for Northeast Asia

Mr. Susumu Abe

Managing Director, Asian Pipeline Research Society of Japan

Dr. Kazuhiko O'hashi

Vice Managing Director, Asian Pipeline Research Society of Japan

◆ **Mongolia**

Mr. Amraa Tsengemaa

Vice Chairman, Mineral Resources and Petroleum Authority of Mongolia (MRPAM)

Mr. Tuvshinjargal Avirmed

Project Manager, Petroleum Department, Mineral Resources and Petroleum Authority of Mongolia