



1 .OCT.2009

## Cogeneration Symposium 2009

CPNG (The Center for Promotion of Natural Gas) will hold Cogeneration Symposium 2009 this autumn with the support of CPNG members, concerned government agencies and other organizations.

### [2009 Symposium Theme & Contents]

The Research Committee on the Gas Business in the low-carbon Society, which has been meeting at the Agency for Natural Resources and Energy (Ministry of Economy, Trade and Industry) since April 2009, proposes the development of the following new comprehensive energy services as basic directions toward a low-carbon society.

1. Development of distributed energy systems
2. Construction of a hydrogen energy society
3. Advanced applications of natural gas in the industrial sector
4. Introduction of renewable energy resources, etc.

Among these proposals, “development of distributed energy systems” emphasizes the construction and development of distributed energy centered on cogeneration systems (CGS), and positions the construction of a smart energy network designed for the best energy mix to realize energy conservation and low CO<sub>2</sub> emissions through the combination of electricity and heat integrating the supply and demand sides as an important issue.

“Construction of a hydrogen energy society” raises the construction of separation and recovery systems for the CO<sub>2</sub> discharged in the hydrogen manufacturing process and the construction of local hydrogen networks with hydrogen stations located near demand areas as important issues.

“Advanced applications of natural gas in the industrial sector” and “introduction of renewable energy resources, etc.” identify the design of the best mix incorporating biogas centered on CGS and renewable energies, and including the future use of exhaust heat at certain locations, as issues.

Thus, CGS are expected to play a central role in the middle to long-term scenarios toward reducing CO<sub>2</sub> emissions and realizing a low-carbon society in Japan, and there are a wide variety of issues that need to be addressed.

Considering the above proposals and the energy policies in the leading nations worldwide, we have set “The Role of CGS toward Realizing a Low-carbon Society” as the main theme for Cogeneration Symposium 2009. The symposium will feature the latest examples of CGS introductions together with keynote lectures and regular presentations regarding the following fields.

- \* Middle to long-term outlook for construction equipment and energy systems in Japan
- \* CGS commercialization technologies and application technologies (for higher value added)
- \* CGS carbon dioxide reduction and utilizing technologies

Dates: <Symposium> Nov. 19, 2009 (Thurs.); <Technical Tour> Nov. 20, 2009 (Fri.)>

Location: <Symposium> Tokyo International Forum, D block, 7<sup>th</sup> floor

<Reception> Tokyo International Forum, D block, 5<sup>th</sup> floor

Address: Tokyo International Forum, 3-5-1 Marunouchi, Chiyoda-ku, Tokyo

Access: <http://www.t-i-forum.co.jp/english/access.html>



## The 25<sup>th</sup> Cogeneration Symposium 2009

Date: Nov. 19, 2009 (Thurs.); Capacity for 240 participants (in order of registration)

Location: Tokyo International Forum, D block, 7<sup>th</sup> floor (reception on 6<sup>th</sup> floor)

### ■ Program

	Time	Item	Speaker
1	10:00	Opening remarks	Shigeru Muraki Dept. Advanced Use Of Energy (Japan Cogeneration Center)
2	10:10	(Keynote Lecture) The Roles of the Building Sector and Cities toward Realizing a Low-carbon Society	Shuzo Murakami, President Building Research Institute
3	11:10	Case Study on Introduction of a 700kW High-efficiency Gas Engine Cogeneration System	Satoshi Morimoto TOKYO GAS Co., Ltd.
4	11:30	Case Study on Introduction of Cogeneration at the Maruito Namba Building	Naoki Nagashima KAJIMA CORPORATION
5	11:50	New Energy Business Strategy at Nippon Oil Corporation	Kotaro Ono Nippon Oil Corporation
	12:10	Lunch	
6	13:00	Development of the “Genelight” Mini Cogeneration System and Efforts to Boost Value Added	Shojiro Matsumura Osaka Gas Co., Ltd.
7	13:20	Adaptation Technology for the Effective Use of Coal Mine Methane Gas in Gas Engines	Hajime Suzuki Mitsubishi Heavy Industries, Ltd.
8	13:40	Introduction of Natural Gas Cogeneration Systems in Energy Service Provider (ESP) Services	Yoshihisa Kishimoto Energy Solution Co., Ltd.
9	14:00	Preventative Maintenance of Middle to Large Scale Cogeneration Systems Using Remote Supervisory Control	Junichi Taniguchi TOHO GAS Co., Ltd.
	14:20	Coffee break	
10	14:40	(Panel Discussion) Smart Community Energy Systems Towards Realizing a Low-carbon Society	Takao Kashiwagi, Professor Tokyo Institute of Technology
	15:10	Panelist statements and discussion	Masahiro Ibi Kawasaki Heavy Industries, Ltd.  Manabu Fukuchi Nomura Research Institute, Ltd.  Hiroo Miyazaki SHIMIZU CORPORATION  Shigeru Muraki TOKYO GAS Co., Ltd.
11	17:10	(Keynote Lecture) Future Energy Policy Towards Realizing a Low-carbon Society	Keisuke Saito Agency for Natural Resources and Energy Ministry of Economy, Trade and Industry
12	17:40	Closing remarks	
	18:00	Reception	



## Technical Tour

Date: Nov. 20, 2009 (Fri.); Capacity for 40 participants (in order of registration)

Meeting Place: JR Tokyo Station (Marunouchi side)

### ■ Technical Tour Observation Facilities

1. URBAN DOCK LaLaport TOYOSU
2. KASUMIGASEKI COMMON GATE (Central Government Building No. 7)
3. Tokyo Midtown

Time	Facilities Locations	Facilities Outline
9:45	<Assembly>	
10:30	URBAN DOCK LaLaport TOYOSU (Koto-ku, Tokyo)	Motors: Gas engines with a power output of 1,050kW×2 Exhaust heat use: Heating & cooling, hot water Fuel: City gas
12:00	Lunch	
13:30	KASUMIGASEKI COMMON GATE (Central Government Building No. 7, Chiyoda-ku, Tokyo)	Motors: Gas engines with a power output of 900kW×2 Exhaust heat use: Heating & cooling, hot water Fuel: City gas
15:00	Tokyo Midtown (Minato-ku Tokyo)	Motors: Gas engines with a power output of 900kW×2 Exhaust heat use: Heating & cooling, hot water Fuel: City gas
16:00	<Tour disbands: Roppongi Subway Station>	

[Auspices of]

Agency for Natural Resources and Energy of Ministry of Economy, Trade and Industry, Fire and Disaster Management Agency of Ministry of Internal Affairs and Communications, Tokyo Metropolitan Government, New Energy and Industrial Technology Development Organization, The Federation of Electric Power Companies of Japan, The Japan Gas Association, Petroleum Association of Japan, Institute for Building Environment and Energy Conservation, The Energy Conservation Center, Japan, The Institute of Applied Energy, New Energy Foundation, The Conference of LP Gas Associated Organizations, Japan Engine Generator Association, Fuel Cell Association

[Co-sponsored by]

The Japan Institute of Energy, Japan Society of Energy and Resources, The Institute of Electrical Engineers of Japan, Architectural Institute of Japan, The Society of Heating, Air-Conditioning and Sanitary Engineers of Japan, The Institute of Electrical Installation Engineers of Japan, The Japan Society of Mechanical Engineers



■ Participation Fees (per person, including consumption tax)

Symposium	Non-members	¥15,000
Reception		¥ 5,000
Technical Tour	Non-members	¥15,000

\*Note: Registration for the technical tour is limited to persons participating in the symposium.

■ Registration Deadline: November 6, 2009 (Fri.)

■ Registration Method (Registrations accepted from Sept. 14)

Please submit the attached Registration Form via facsimile to (03) 3288-8818. An invoice and passes will be sent to the participant via return fax. Please contact this office via facsimile or e-mail if these are not received within one week after registration submission.

FAX: 03-3288-8818

E-mail: [info@cgc-japan.com](mailto:info@cgc-japan.com)

■ Inquiries

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■ Note

Simultaneous interpretation will not be provided (Japanese only).



FAX: 03-3288-8818

TO: Advanced Use of Energy Department, The Center for Promotion of Natural Gas

## Symposium 2009 Registration Form

**Registration deadline: Nov. 6, 2009 (Fri.)**

Please circle the items which apply.	<b>Member</b>
A. Symposium	
B. Reception            Attend            Not attend	
C. Technical tour       Attend            Not attend	<b>Non-member</b>
Company, Organization or University Name	
Address	
Affiliation, Title or College	
Name of Participant      Reading (for names in Chinese characters) _____	
TEL	FAX
E-mail	

### Registration Deadline

<b>November 6, 2009 (Fri.)</b>	<b>Note: Registration may be closed early if the event reaches capacity.</b>
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### Payment Method

Please submit payment (including all transfer fees) by the symposium date via bank transfer to the following account.

Bank Name: Bank of Tokyo-Mitsubishi UFJ, Ichigaya Branch
Bank & Branch Code: 0005—014
<input type="checkbox"/> Account Number: 0032584
<input type="checkbox"/> Account Name: Director Akio Nomura, The Center for Promotion of Natural Gas

Note: For administrative reasons, the account is in the name of the prior director.

Also, please note that cancellations are accepted up to three days before the event, with no refunds thereafter.