

CEO Roundtable
Wednesday, 19 Oct

Moderator : Robert Catell, Chairman Advanced Energy, USA	
Time	Participants
09:00-10:30	Dr Colin Wong Vice President, Technology and Engineering, Member of the Management Committee, Petronas, Malaysia
	Matthias Bichsel Projects & Technology Director, Member of the Executive Committee of SHELL, Netherlands
	Thijs Aarten CEO of Kema GCS, Netherlands
	J. Wason Executive Director Marketing, GAIL, India
	Kang Soo Choo President & CEO, KOGAS, South-Korea

Scientific Programme
Wednesday, 19 Oct

Oral Presentation A-C

A. How Can Advanced Geo-engineering Impact Bottom Line Performance?		
Chairperson : Helen Giouse, GDF Suez		
Time	Topic	Speaker
11:00-11:30	Geo-mechanics for Intensive Cycling of Salt Caverns	Pierre Berest , Ecole Polytechnique
11:30-12:00	Thermal Effects and Geo-mechanics: Key points to Design Liner Rock Caverns for LNG	Dae Hyuk Lee , SK E&C
12:00-12:30	Natural Gas Storage Technology Applied to Compressed Air Energy Storage Electric Power Plants	Ronald Snedic GTI.
12:30-13:00	Geosciences Challenges to Explore and Produce Pre-salt Field?	Mauro Becker , Petrobras-Cenpes

B. Do Innovations Drive Asset Management in Transmission & Distribution System?		
Chairperson : Pierre Bartholomeus, Kema GCS		
Time	Topic	Speaker
11:00-11:30	What Sort of Advances and/or Challenges Do We Envision for the Future of Cathodic Protection of Pipelines?	<i>Fumio Kajiyama</i> , Tokyo Gas
11:30-12:00	An Innovative Approach for Asset Management Bases on Global Mobility Solution (e.g. Géo-tracking, Mobile Business Applications, Mobile Data Security, Workforce Safety)	<i>Baptiste Bouffaut</i> , GDF Suez
12:00-12:30	Maximizing Critical Infrastructure Performance with Probabilistic Methods	<i>Edward Johnston</i> , GTI
12:30-13:00	Integrated De-risking of Gas Transport Assets in Operation	<i>Robert van der Geest</i> , Kema GCS

C. Does Electricity Power the Gas Industry?		
Chairperson : Jean-Paul Reich, GDF SUEZ		
Time	Topic	Speaker
11:00-11:30	Natural Gas and Power Production - Now and in the Future	<i>Rudolph Blum</i> , DONG Energy
11:30-12:00	Trigen: an Innovative Oxy-fuel Technology to Convert High CO2 Gas Reserves into Power	<i>Pieter Kapteijn</i> , Maersk Oil and Gas
12:00-12:30	Merging Natural Gas with Solar Power Generation: Evaluating the Potential of Integrated Solar Combined Cycle	<i>Mathieu Hess</i> , Total Gas & Power
12:30-13:00	Development for Enhancing Added Value on 1,000 kW Class CHP Systems	<i>Masaki Ogawa</i> , Mitsubishi Heavy Industries

Poster Session 1

Poster Session 1. Innovations Exhibition	
Time	Topic
14:15-16:15	Bio Gases, Hydrogen, Greenhouse Gases, Smart Grids, Other Gases & New Energy Technologies

Workshop 1, 5

1. Does CCS Have Any Future in the Gas Industry?		
Chairperson : Marc de Witte, GDF Suez		
Time	Topic	Speaker
14:15-16:15	Vision of a Grid Operator on CO2 Transport	<i>Carlo Spinelli</i> , Eni g&p
	A CCS Large Integrated Project	<i>Onno Tillema</i> , ROAD Maasvlakte CCS Project C.V.
	CO2 Storage - A Project Developers Perspective	<i>Lewis Jeffery</i> , CCS TLM
	CCS in Japan : Policy and Prospects	<i>Kenji Yamaji</i> , RITE

5. Keeping Gas in the Buildings of Tomorrow: Will Codes and Standards Kill Gas?		
Chairperson : Jack Lewnard, GTI		
Time	Topic	Speaker
14:15-16:15	Housing/Building Efficiency Standard and Energy Supply in Japan	<i>Takashi Akimoto</i> , Architecture and Building Engineering Shibaura Institute of Technology
		<i>Jim Ranfone</i>
		<i>John Overall</i> , Union Gas Limited

Oral Presentation D-F

D. Can Unconventional Gas Meet Market Demands and Environmental Requirements?		
Chairperson : Sergey Rassokhin, VNIIGAZ		
Time	Topic	Speaker
16:30-17:00	The Possibilities of Gas Extraction from Crystal Hydrates Reservoirs at the Last Stage of Fields Development in Russia	<i>Kaplan Basniev</i> , Gubkin Russian State University of Oil and Gas
17:00-17:30	Main Technologies for CBM Exploration and Development in China	<i>Wang Yibing</i> , RIPED, CNPC
17:30-18:00	Improving the Effectiveness and Managing the Impact of Hydraulic Fracturing	<i>Guy Lewis</i> , GTI
18:00-18:30	Potential Analysis of Coal-bed methane in Sanjiang basins of Eastern Heilongjiang Province	<i>Bin Sun</i> , Petrochina

E. Which Innovations Will Improve Transmission System Operation?		
Chairperson : Hector Fajardo, Chevron Pipeline Company		
Time	Topic	Speaker
16:30-17:00	Paradigm Shift in Flow Measurement and Gas Flow Metering	<i>Yasushi Takeda</i> , Tokyo Institute of Technology
17:00-17:30	Detailed Experimental Database of Dent & Gouge Defects to Qualify Burst and Fatigue Strength Models	<i>Mures Zarea</i> , GDF Suez
17:30-18:00	Direct Assessment Techniques for Integrity Management of Underground Petroleum Pipelines	<i>Angel Kowalski</i> Det Norske Veritas (U.S.A.), Inc.
18:00-18:30	Evaluation of Predictive Assessment Reliability on Corroded Transmission Pipelines	<i>Maxime Lecchi</i> , GDF Suez

F. What Are The Opportunities for Natural Gas in Homes and Businesses of The Future?

Chairperson : Isamu Yasuda, Tokyo Gas

Time	Topic	Speaker
16:30-17:00	Energy Management System and Integrated Use of Natural Gas and Renewables	<i>Frederic Pastier</i> , GDF Suez
17:00-17:30	Development of mCHP Technologies in The Domestic and Small Commercial Sector in terms of Efficiency, Reliability, Durability and Cost	<i>Martin Wilmsmann</i> , E.ON Ruhrgas
17:30-18:00	Experience and Future Prospects of Fuel Cell mCHP for Residential Use	<i>Kiyoshi Okamura</i> , Tokyo Gas
18:00-18:30	Development of SOFC as Highly Efficient mCHP	<i>Karl Föger</i> , CFCL's technology

Thursday, 20 Oct

Poster Session 2&3

Poster Session 2&3. Innovations Exhibition	
Time	Topic
08:30-10:30	Distribution, Storage, Transport
10:45-12:45	Commercial Utilisation, Gas for Mobility, Industrial Utilisation , Residential Utilisation

Workshop 2

2. Is There a Role for Natural Gas in Smart Energy Grids?		
Chairperson : Jörg Gigler, Kema GCS		
Time	Topic	Speaker
08:30-10:30	Smart Electricity Grids?	<i>Edward Johnston</i> , GTI
	Coupling of Gas and Electricity Infrastructure in Smart Grids?	<i>Frits Bliet</i> , Kema GCS
	Smart Gas Grids?	<i>Shinichi Sasayama</i> , Tokyo Gas
	Smart Grid and Gas Industry in Korea	<i>Yeoungjin Chae</i> , Korea Power Exchange
	(participant in panel discussion)	<i>Martin Seifert</i> , SVGW

Workshop 3, 6

3. What is the Future of LNG?		
Chairperson : Pandai Othman, Petronas		
Time	Topic	Speaker
10:45-12:45	Techno-Political-Economic Issues	<i>Hiroshi Hashimoto</i> , Institute of Energy Economics
	Natural Gas Liquefaction Technology for LNG and FLNG	<i>Heinz Bauer</i> , Technology of LNG & gas processing plants
	Safety in LNG and Floating LNG Facilities	<i>Rob Klein Nagelvoort</i>
	GAS TO LIQUIDS: An Innovative Solution for Natural Gas Monetization	<i>Daniel Colalillo</i>

6. Can R&D Be a Magnet for New Talent in the Gas Industry?		
Chairperson : Ieda Gomes, IGU TF1		
Time	Topic	Speaker
10:45-12:45	Findings of TF2 Study	<i>Soh Mey Lee</i> , AET Tanker Holdings
	HRD strategies in the technical careers at KOGAS	<i>Seung Seop Shin</i> Kogas

Oral Presentation G-I

G. Is Bio Energy an Option for Greening the Gas Market?		
Chairperson : Stephan Ramesohl, E.ON Ruhrgas		
Time	Topic	Speaker
14:15-14:45	Overview of Technical Issues Related to R&D on Diverse Range of Biogases in Japan	<i>Shojiro Osumi</i> , Osaka Gas
14:45-15:15	Challenges for Green Gas Injection into the Natural gas Grid	<i>Jörg Gigler</i> , Kema GCS
15:15-15:45	Next Generation Biomethane Technologies - Experiences and Further Prospects	<i>Stephan Ramesohl</i> E.ON Ruhrgas
15:45-16:15	Syngas for Today and Biomethane 2G for Tomorrow as Opportunities to Green the Gas Market	<i>Olivier Bordelanne</i> GDF Suez

H. How to Assess the Environmental Footprint of the Gas Chain?		
Chairperson : Marc Florette, GDF Suez		
Time	Topic	Speaker
14:15-14:45	LCA of the European Gas Chain: Challenges and Results	<i>Daniel Hec</i> , Marcogaz
14:45-15:15	Life-cycle Analysis of Renewable Natural Gas Pathways with the GREET Model	<i>Jeongwoo Han</i> , Argonne National Laboratory
15:15-15:45	Life Cycle Greenhouse Gas Emissions of LNG and City Gas 13A	<i>Tomohito Okamura</i> , Osaka Gas
15:45-16:15	LCA of Bio Methane	<i>Marius Adelt</i> , E.ON Ruhrgas

I. Are New Gases and New Technologies the Future?		
Chairperson : Howard Levinsky, KEMA		
Time	Topic	Speaker
14:15-14:45	Silica Formation from Siloxanes in Biogas: Novelty or Nuisance?	<i>Anatoli.V. Mokhov,</i> University of Groningen
14:45-15:15	Applications of High Efficiency Gas Burners to Contribute to Energy Saving in Industrial Field	<i>Hiromu Sakaguchi,</i> Osaka Gas
15:15-15:45	Innovative and Efficient Technologies for Industry	<i>Clotilde Villermaux,</i> GDF Suez
15:45-16:15	GASQUAL: a Step Closer to Gas Quality Harmonization in Europe	<i>Jean Schweitzer,</i> DGC

Poster Session 4

Poster Session 4. Innovations Exhibition	
Time	Topic
16:30-18:30	Exploration, Production, LNG, Processing, CCS

Workshop 4

W4. What Will Be The Picture in 2030: Zero Gas or Zero Carbon Gas?

Chairperson : Stephan Ramesohl, E.ON Ruhrgas

Time	Topic	Speaker
16:30-18:30	Long-term Prospects of Global Gas Markets	<i>Anne-Sophie Corbeau</i> , International Energy Agency
	Low-Carbon Asia Research Project	<i>Dietmar Schüwer</i> , Wuppertal Institute for Climate, Environment and Energy
	Low-Carbon Asia Research Project	<i>Fujino Junichi</i> , National Institute for Environmental Studies
	100% Renewable Energy World Wide by 2050	<i>Rafael Senga</i>

Friday, 21 Oct

Oral Presentation J-L

J. LNG - Where are the next technology breakthroughs?		
Chairperson : Pramod Kumar Karunakaran, Petronas		
Time	Topic	Speaker
09:00-09:30	Innovations in Natural Gas Liquefaction Technology for future LNG plants and Floating LNG Facilities	<i>Justin Bukowski,</i> Air Products & Chemicals
09:30-10:00	Near Future and Distant Future Perspectives in Propulsion Systems and Cargo Containment Systems	<i>Jacques Sainson & Jean Marc Quenez,</i> GDF Suez
10:00-10:30	Latest Tank Design	<i>Young-Myung Yang,</i> KOGAS
10:30-11:00	Mercury Removal from Gas Stream Using New Solid Adsorbents	<i>Mohd Shariff Shahid,</i> Petronas

K. Which Innovations Will Improve Distribution System Operation?		
Chairperson : Alessandro Soresina, A2A		
Time	Topic	Speaker
09:00-09:30	Next-generation Gas Smart Metering System - Current Status of "Smart Metering" Initiatives in the City Gas Industry	<i>Hajime Furusawa,</i> Tokyo Gas
09:30-10:00	New Methodologies to Help Natural Gas Odorisation	<i>François Cagnon,</i> GDF Suez
10:00-10:30	Various Methods to Evaluate the Long-Term Reliability of PE Pipes and Joints in Use at Osaka Gas	<i>Yuji Higuchi,</i> Osaka Gas
10:30-11:00	Third Party Damage and Plant Protection - the Common Ground Alliance	<i>Bryan Goulden,</i> Union Gas limited

L. Where Are Natural Gas Vehicles Taking The Gas Industry?

Chairperson : Brett Jarman, NGV Global

Time	Topic	Speaker
09:00-09:30	Emerging Developments in Heavy Duty Natural Gas Engines	<i>Patric Ouellette,</i> Westport Innovations
09:30-10:00	Options for Natural Gas Vehicles in the UK Transport Energy Roadmap	<i>Robert Judd</i>
10:00-10:30	Bio Methane as Vehicle Fuel - Showcasing the Swedish Development	<i>Jörgen Held,</i> Swedish Gas Centre
10:30-11:00	Bio Methane + CNG Hybrid: a Reduction by More than 80% of The Greenhouse Gases Emissions Compared to Gasoline	<i>Olivier Bordelanne,</i> GDF Suez