

Sessions and Expert Fora of the IGU's Working and Programme Committees at the 24th World Gas Conference

WOC 1. Session CS 1.1. Difficult Reservoirs & Unconventional Natural Gas Resources. October 6, Tuesday, 16.30-18.30		
No.	Speaker, company name	Paper title
1.	Kamel Chikhi	Study Group 1.2 Report
2.	Jeonghwan Lee, KOREA GAS CORPORATION	Methane Hydrates
3.	Mario Mussini, SHELL	Tight Gas Challenges & Achievements
4.	Philip Loftin, BP AMERICA, INC.	Thirty Years of Lessons Learned - Tips and Tricks for Finding, Developing and Operating a Coalbed Methane Field
5.	Kent Perry, GAS TECHNOLOGY INSTITUTE	New Albany Shale Gas Project
WOC 1. Session CS 1.2. Remaining Conventional World Gas Resources and Technological Challenges for their Development October 7, Wednesday, 09.45-11.45		
No.	Speaker, company name	Paper title
1.	Dominique Copin, TOTAL	Mature Areas: Specificities & Challenges
2.	R.O. Samsonov, Gazprom VNIIGAZ	Development of Yamal Peninsula Inland & Offshore Fields
3.	John Alvarez, CHEVRON	Gas Monetisation Technologies Progress (other than LNG)
4.	Philip Stark, IHS INC	Perspective on Worldwide Conventional Gas Developments
5.	Richard Nehring, NEHRING ASSOCIATES	Overthrowing the Paradigm: the Transformation of Gas Supply in the United States
WOC 1. Forum EF 1.A. Exploration of New Reserves and Areas October 7, Wednesday, 16.30-18.30		
No.	Speaker, company name	Paper title
1.	R.O. Samsonov, Gazprom VNIIGAZ LLC	Implementation of the Shtokman Project is The Launch of Hydrocarbon Reserves Development of the Russian Arctic Shelf
2.	Badsi Madjid, SONATRACH EXPLORATION ALGERIA	Different Approaches In Frontier & Mature Basins: Case Studies In Algeria South Western Sahara Platform
3.	Wan Yujin, RESEARCH INSTITUTE OF PETROLEUM EXPLORATION & DEVELOPMENT-LANGFANG (RIPED-LANGFA)	The Resource Potential & Development Trend Of Unconventional Gas Resources In China
4.	R.M. Ter-Sarkisov, Gazprom Dobycha Shelf Ltd	The Role Of Russia's Arctic Shelf at The Global Energy Resources Market
5.	Jerzy Stopa, AGH UNIVERSITY OF SCIENCE & TECHNOLOGY	Perspectives Of The Utilisation Of The Methane From Working & Abandoned Coal Mines
6.	Ken Haley, BP AMERICA	Shale Gas – Material, Profitable & Technologically Complex
7.	A.N. Dmitrievsky, OGRI RAS	Ecological Solutions For Arctic Offshore Gas Resources Development (In Exploration & Production Stages)

8.	Marcelo Rosso, PLUSPETROL SA	The Gas Potential Of The Subandean Basins: The Current Exploration Status & The Future Prospectivity As An Energy Resource For The Regional Market
WOC 1. Forum EF 1.B. Production and Processing Techniques October 8, Thursday, 16.30-18.30		
No.	Speaker, company name	Paper title
1.	Phil Smith, BP AMERICA PRODUCTION COMPANY	Applying New Technology To Tight Gas Developments
2.	Jiang Tingxue, RESEARCH INSTITUTE OF PETROLEUM EXPLORATION & DEVELOPMENT-LANGFANG (RIPED-LANGFA)	The Applications Of Hydraulic Fracturing & Acidising Techniques & The Future Trend In Complex Natural Gas Reservoirs In China
3.	Ignacio Tierno, TECNA	Sweetening Technologies: A Look At The Whole Picture
4.	G. A. Lanchakov, Gazprom Dobycha Urengoi LLC	Complex Problem Solving Of Effective Development & Exploitation Of Urengoy Oil Gas Condensate Field. Development and Industrial Introduction of Modern Information Technologies for the Control of Oil Gas Condensate Fields Development.
5.	Cody Nolen, GRACE DAVISON MEMBRANES	The Rapid Advancement Of Natural Gas Membrane Technology
	Natasha Hudson, BP TRINIDAD & TOBAGO	The BP Trinidad Field Optimiser – A Flexible Model Based Optimiser For A Complex Gas Production System
7.	Young Soon Baek, KOREA GAS CORPORATION R&D DIVISION	The Strategy Of Green Energy (GTL, DME) Development & Distribution In Korea
8.	Erich Zakarian, SHTOKMAN DEVELOPMENT AG.	Shtokman: The Management Of Flow Assurance Constraints In Remote Arctic Environment
WOC 2. Session CS 2.1. Main Drivers in UGS Development. October 6, Tuesday, 16.30-18.30		
No.	Speaker, company name	Paper title
1.	Hélène Giouse, STORENGY	Study Group Report
2.	Eric Amantini, GEOSTOCK	Development of the Performance of The Wuustwezel (Loenhout - Belgium) UGS. Drilling Through a Highly Karstified & Fissured Limestone Reservoir under Gas Storage Operation
3.	P.G. Tsybulskiy, Podzemgazprom LLC	Experience, Problems & Perspectives of Gaseous Helium Storage in Salt Caverns on the Territory of Russia
4.	G.N. Ruban, Gazprom VNIIGAZ LLC	Temporary Underground Associated Gas Storages in Porous Formations - Promising Trend for Solving the Problem of its Utilization
5.	Stanislaw Rychlicki, AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY	Technical & Economical Performance of the Underground Gas Storage in Low Quality Gas Reservoir
6.	Ondrej Prokeš, RWE TRANSGAS NET	Triethylenglycol Lifetime Prolonging in Natural Gas Dehydration at USG

WOC 2. Session CS 2.2. New Technologies for Underground Gas Storage October 7, Wednesday, 09.45-11.45		
No.	Speaker, company name	Paper title
1.	Vladimir Onderka, RWE Gas Storage	Dispatcher Application for Management of Multiple UGS's
2.	Herwig Fruehbauer, SERVICES PETROLIERS SCHLUMBERGER AG	Automated Surveillance & Optimisation Of UGS Reservoirs
3.	S.A. Khan, OAO Gazprom	Ensuring Industrial Safety Of OAO Gazprom Underground Gas Storage Facilities
4.	Gerard Martinus, GASTERRA B.V.	Drivers of Seasonal Storage Demand in Northwest Europe
WOC 2. Forum EF 2.A. Major Trends in Underground Gas Storage (UGS) Development October 6, Tuesday, 09.30-11.30.		
No.	Speaker, company name	Paper title
1.	Frederick W. Metzger, KINDER MORGAN ENERGY PARTNERS	Herscher Galesville Storage Expansion Project - A Review of the Steps Taken To Expand the Working Capacity of One of the Oldest Natural Gas Storage Aquifers in the World
2.	Ding Guosheng, CNPC	The Current Status & Prospect of China Underground Gas Storage
3.	Jean-Marc Leroy, GSE, GdF SUEZ	The Role of Natural Gas Storage in the Changing Gas Market Landscape
4.	Hans-Peter Floren, E.ON GAS STORAGE GMBH	European Storage Capacity Demand & Future Development
5.	S.A. Khan, OAO Gazprom	UGS Development Status and Prospects in Russian Federation
WOC 2. Forum EF 2.B. UGS Technologies and Applications for CO2 Sequestration October 8, Thursday, 16.30-18.30		
No.	Speaker, company name	Paper title
1.	G.N. Ruban, Gazprom VNIIGAZ LLC	Storing Industrial Gaseous Emissions In Geological Formations
2.	Petr Bujok, VSB	Abandoned Coal Mines - Source Of Unconventional Forms Of Energy & Space For CO2 Geosequestration
3.	Volker Busak, VNG-VERBUNDNETZ GAS AG	Experience Gained From Cooperation Between VNG - Verbundnetz Gas AG & OOO. Gazpromenergo diagnostika To Ensure The Operational Reliability Of Well Installations On Underground Storages (UGS)
4.	G.S. Akopova, Gazprom VNIIGAZ LLC	Environmental Safety Aspects Of Underground Gas Storage
WOC 3. Session CS 3.1. News from Pipeline Transmission Systems: Sweeping Blows from Regulation Effects over Environmental Impacts, to New Monitoring Technologies and Challenging New Pipeline Projects October 6, Tuesday, 09.30-11.30		
No.	Speaker, company name	Paper title
1.	Eric Dam, GASUNIE	Introduction to the Committee Report
2.	Marinus Kornalijnslijper, N.V. NEDERLANDSE GASUNIE	Impact of Regulation on Gas Transmission, Safety & Security of Supply
3.	Jorge Bonetto, TGS	Review of New Technologies in Pipeline Monitoring

4.	Sigve Apeland, IGU WOC3 Study Group 3.3, GASSCO	Contribution of Gas Transmission to Climate Protection and Sustainable Development
5.	Adrian Pijnacker Hordijk, N.V. NEDERLANDSE GASUNIE	Lessons Learned from the Construction Phase to the Operational Phase of a Subsea Pipeline
6.	Gérard de Hemptinne, FLUXYS	Fluxys - How to Deal Successfully with a Changing Environment?
WOC 3. Session CS 3.2. Screening for Challenging New Off- and On-shore Pipeline Projects – Security of Supply in the Field of a Growing Worldwide Gas Pipeline Network and Energy-Hungry Markets		
October 7, Wednesday, 16.30-18.30		
No.	Speaker, company name	Paper title
1.	A.V. Chepkasov, OAO Gazprom	Major Technical Solutions Applied During Bovanenkovo – UKHTA Gas Trunkline System Engineering & Construction
2.	Fernando Adolfo Velasquez Martínez, COMPANIA OPERADORA DE GAZ DEL AMAZONAS	Geotechnical Stabilisation of a Pipelines System in Mountain and Tropical Soils
3.	Juan Carlos Arancon, ENAGAS	Balearic Submarine Pipeline. Design & Construction
4.	Vladimir Potocny, EUSTREAM A.S.	Integrity Management of Pipeline Systems at Compressor Stations of Eustream
5.	Hiroyasu Yamanouchi, TOKYO GAS CO.	Construction Project of a Natural Gas Transmission Pipeline in Long & Deep Tunnels in Tokyo City with New Technologies
6.	A.Z. Shaikhutdinov, OAO Gazprom	Comprehensive Inspection of OAO Gazprom Gas Trunklines Involving Aircraft
WOC 3. Session CS 3.3. Review of New Technologies in Pipeline Monitoring		
October 8, Thursday, 16.30-18.30		
No.	Speaker, company name	Paper title
1.	Izumi Takeuchi, SUMIMOTO METETAL INDUSTRIES	New Concept & Test Method on Running Ductile Fracture Arrest for High Pressure Gas Pipeline
2.	Pablo Cosentino, TRANSPORTADORA DE GAS DEL SUR	Electromagnetic Ground Conductivity Survey Technique in Pipeline Integrity
3.	Mohd Nazmi, PETRONAS GAS BERHAD	Managing Integrity of Feed Condensate Pipeline: On-line Internal Corrosion Monitoring via EFM/FSM™ Technique
4.	V.V. Kharionovsky, GIPROGAZCENTER	Stress-corrosion in the Trunk Pipelines: Current Status & Safe Operation Forecast
5.	Daniel Falabella, TRANSPORTADORA DE GAS DEL SUR, Eduardo Carzoglio, TRANSPORTADORA DE GAS DEL NORTE	Progress in the Development for Finding High pH SCC in Argentina
6.	Peter Schwengler, E.ON RUHRGAS AG	Verification of Integrity of Gas Containing Facilities Using Gas Remote Detection Systems Like Gascam® & Charm®
WOC 3. Forum EF 3.A. Impact of Regulation on Gas Transmission, Safety and Security of Supply		
October 6, Tuesday, 16.30-18.30		
No.	Speaker, company name	Paper title
1.	Eduardo Carzoglio	Regulatory Framework Impact On The Transmission Gas Pipelines Integrity Management

		Plan
2.	Slawomir Pietrasz, GDF SUEZ	Making Robust Investment Decisions: A Challenge for Gas Network Planners
3.	Marcelo Colomer, UNIVERSIDADE FEDERAL DO RIO DE JANEIRO	Is The Market Or The Regulation Driving The Risks To The Network Investments?
4.	Elin Kristin Dale, STATOILHYDRO	Gas Value Chain - Quality Management & Security Of Supply
5.	Jossifram Soares, SECRETARIAT FOR ECONOMIC MONITORING/MINISTRY OF FINANCE	The New Legal Framework For The Brazilian Natural Gas Industry
6.	Piet Nienhuis, GAZ TRANSPORT SERVICES	Planning Methodology: From An Integrated Gas Company To An Independent TSO
WOC 3. Forum EF 3.B. Contribution of Gas Transmission to Climate Protection and Sustainable Development October 8, Thursday, 09.45-11.45		
No.	Speaker, company name	Paper title
1.	Jürgen Vorgang, E.ON RUHRGAS	Reduction of Methane Emissions in the EU Natural Gas Industry
2.	Pablo Talera, UNIVERSIDAD TECNOLÓGICA NACIONAL. FACULTAD REGIONAL DELTA	Stack Emissions Analysis & Methodology for the Assessment of Air Quality Impact Derived from Natural Gas Compressor Stations
3.	Rastislav Nukovic, EUSTREAM, A.S.	Identification & Minimisation Of Methane Emissions In The Transmission Network Of Eustream, A.S.
4.	Saeid Mansouri Alghalandis, NATIONAL IRANIAN GAS COMPANY (NIGC)-DIST-8	A Novel Combined Genetic Algorithm & Artificial Neural Networks For Management Of Energy Use In Pipeline Operations – Case Study: North West Region Of I.R. Iran
5.	Naar Mokhtaria, SONATRACH	SONATRACH DOWNSTREAM: Environmental Regulation & Impact on Gas Flare
WOC 4. Session CS 4.1. Gas Distribution Asset Management October 7, Wednesday, 09.45-11.45		
No.	Speaker, company name	Paper title
1.	Ben Lambregts, LIANDER	Risk Management Cycle as Part of an Asset Management Process
2.	Walter Girsberger, SWISS GAS & WATER INDUSTRY ASSOCIATION	Safety Performance Indicators in Gas Distribution: a Door Opener for Public Acceptance & Guideline for Risk-Based Improvements
3.	Alberto Grossi, AUTORITA PER L'ENERGIA ELETTRICA E PER IL GAS	Economic Incentives to Promote Safety Improvement in Gas Distribution: the Italian Experience
4.	Jean-Yves Pollard, GAZ RESEAU DISTRIBUTION FRANCE (GRDF)	GRDF Asset Management Strategy - New Tools for Risk, Investment & Maintenance Management
WOC 4. Session CS 4.2. Review of Leakage Reduction Strategies and Practices October 7, Wednesday, 16.30 – 18.30		
No.	Speaker, company name	Paper title
1.	Abdelghani Chekkar, GRTG/SONELGAZ	Safety Device to Stop Natural Gas Leakage
2.	Steven Vallender, NATIONAL GRID	Reducing Fugitive Emissions from Gas Distribution Systems by the Systematic

		Application of Pressure Profiling Technology
3.	Amine Dalibey GDF SUEZ	Stop Gas Flow Protecting Existing & Not Renovated Service Lines for a Gas Pressure Between 400 Mbars & 4 Bars
4.	Jan Berend Willem Wikkerink KIWA GAS TECHNOLOGY	Development & Implementation of a Natural Gas Leak Reduction Program for Pressure Regulating Stations at the Mosgaz Gas Distribution System in Moscow, Russia
5.	Wim Ploem ENEXIS	Avoid of Gas Leakages with Risk Based Asset Management
WOC 4. Session CS 4.3. Prevention of Third Party Interference Damage to Distribution Assets October 8, Thursday, 09.45 – 11.45		
No.	Speaker, company name	Paper title
1.	Dick van den Brand GASUNIE NETHERLANDS	7th Report of the European Gas Pipeline Incident Group 1970-2007
2.	Barbara Jinks AUSTRALIAN GAS INDUSTRY TRUST	Reconnecting Gas Services After The Longford Incident
3.	Veysel Turkel IGDAS	Detection Methods of Underground Pipelines
4.	Pascal Vercamer GDF SUEZ	Overview & Prospects on Prevention & Protection Measures Related to Pipelines Integrity
5.	Diane Benedetto	Damage Prevention on Gas Distribution Assets in the United States
WOC 4. Forum EF 4.A. Asset Management October 6, Tuesday, 09.30 – 11.30		
No.	Speaker, company name	Paper title
1.	Joost Gottmer LIANDER	Regulatory Driven Business Harmonisation: A Centralised Database On Connections For A Better Exchange Of Data On Swithes Allocation & Reconcillation To Be Used By Every DSO TSO & Shippers
2.	Hiroki Kikuchi TOKYO GAS	New Method For Renovating Cast Iron Pipes For Cost-Effective Maintenance In Low Pressure Pipelines: On-Site Pipe Forming By Rapid-Setting Resin
3.	Jorgen Grønner RWE ENERGY	Successful Application Of Asset Simulation Tool To Support Strategic Decisions For Gas Distribution Grids
4.	A.A. Evstifeev Gazprom Promgaz	A Unified Monitoring System For Gas Equipment & Facilities Of Gas Distributing Organisations: Managerial, Methodological & Instrumental-Package Solutions
5.	Miguel Udaeta INSTITUTO DE ELETROTECNICA E ENERGIA	Natural Gas Grid Forecast & Urban Planning - A Metropolitan Area Case Study In Brazil
6.	María Fernanda D'Atri METROGAS	Application Of Artificial Intelligent Systems To Improve Distribution Network Risk Models
7.	Ayush Gupta GAIL LIMITED	From A Leading Organisation To Building A Learning Organisation
8.	Haruhito Matsunami	Service Sciences Method & Practice In Osaka Gas

	OSAKA GAS	
WOC 4. Forum EF 4.B. Leakage and Third Party Damage Management October 8, Thursday, 16.30 – 18.30		
No.	Speaker, company name	Paper title
1.	George Ragula PUBLIC SERVICE ELECTRIC&GAS	Installing Excess Flow Valves Without Excavation To Prevent Third Party Damage
2.	Timothy Brown HEATH CONSULTANTS INCORPORATED	New Technologies Generate Substantial Increases In Leak Detection Productivity
3.	Gyou tae Park KOREA GAS SAFETY CORPORATION	Development Of The Detection System Of Methane Leakage Using Mid-Infrared LED & PD
4.	Natalia Kruglova VNIIGAZ/Gazprom	Evaluation Of Methane Emissions On Gazprom's High Pressure Gas-Distribution Networks
5.	Tomohiro Yoneta JFE ENGINEERING CORPORATION	Seismic Diagnosis Of Buried Gas Distribution Networks
6.	Henk van Bruchem NETBEHEER NEDERLAND/KIWA GAS TECHNOLOGY	New Focus On Safety Of Gas Distribution In The Netherlands
7.	Ehsan Nourollahi NATIONAL IRANIAN GAS COMPANY	Simulation Of Gas Pipelines Leakage Using Characteristics Method
8.	Takashi Teranuma TOHO GAS	Development of a Remote Early-Warning Monitoring System for Eventing Damage from Third-Party Work
WOC 5. Session CS 5.1. Industrial Utilisation: Technologies for Tomorrow? October 6, Tuesday, 16.30 – 18.30		
No.	Speaker, company name	Paper title
1.	Guy Verkest DISTRIGAS GAS SERVICES	Study Group 5.1 Report
2.	Lilian van den Bos N.V. NEDERLANSE GASUNIE	European Standardisation & Regulatory Framework for Industrial Gas Installations
3.	S.E. Shilnikov Gazprom Promgaz	Study on Gas Saving to Reduce Natural Gas Demand & Enhance Energy Security
4.	Yoshitane Takashima OSAKA GAS	Development of Technology for Ultra High-Efficiency Natural Gas Engine Combined System
5.	Clotilde Villermaux GDF SUEZ	Flameless Oxy-Fgr: an Energy Efficient Combustion Concept That Complies with Environmental Regulation & Offers Direct Co2 Capture Solution for Existing & New Gas Furnaces
6.	Egidio Adamo ENI	Efficient use of CHP for Process & Heating in Industry in Italy
7.	Mohd Fairos Roslan PETRONAS	Distributed Cooling & CHP in Cooling in Malaysia
8.	A.Yu. Zorya Gazprom Promgaz	Practicable Ways of Improving Effectiveness of Natural Gas Utilization in Russia: Efficient Energy Technologies & Projects
9.	Toshikuni Ohashi OSAKA GAS	Rational Use of Energy for Industrial Processes in Japan
10.	Shojiro Osumi OSAKA GAS	Development of Technology Related to Biogas in Order to Enhance Gas Sales

WOC 5. Session CS 5.2. Domestic and Commercial Utilisation: Appliances and Products for Tomorrow?

October 7, Wednesday, 16.30 – 18.30

No.	Speaker, company name	Paper title
1.	Martin Wilmsmann E.ON RUHRGAS	Corresponding Presentations to Study Group Items
2.	Mark van Stiphout EUROPEAN COMMISSION	Gas Quality Standards in the European Union
3.	Frank Groeschl DVGW DEUTSCHE VEREINIGUNG DES GAS UND WASSERFACHES	Perspectives for Gas Utilization Under New German Climate Legislation
4.	Stephan Ramesohl E.ON RUHRGAS	Gas Heat Pumps - The Renewable Energy Heating System of the Future?
5.	Kazuya Imai OSAKA GAS	Development of GHP Featuring a Generator Capable of Serving External Loads

WOC 5. Session CS 5.3. Natural Gas Vehicles (NGV): Methane - A Global Eco-Efficient Mobility Solution

October 8, Thursday, 09.45-11.45

No.	Speaker, company name	Paper title
1.	Davor Matic, OMV GAS ADRIA D.O.O.	Presentation of IGU SG 5.3 Final Report
2.	Olivier Bordelanne, GDF SUEZ	Best Practices and State of the Art of Technology and Breakthrough Technologies
3.	Martin Seifert, SVGW	The Successful NGV Development in Europe Through Different Country Approaches
4.	E.N. Pronin, OAO Gazprom	Prospects for Extension of International Transport Corridors Russia- Europe with the Use of Natural Gas As Motor Fuel
5.	Ashwani Kumar Gumber, GAIL (INDIA) LIMITED	Challenges in Development of CNG Infrastructure - India's Experience
6.	I. Orlov, AC UKRTRANSGAS	Economic & Administrative Leverages for Extension of CNG - 25-year Experience of Ukraine
7.	Frank Graf, DVGW RESEARCH STATION AT ENGLER-BUNTE- INSTITUT	Monitoring CNG Quality in Germany

WOC 5. Forum EF 5.A. Micro CHP Knocks at the Door!

October 6, Tuesday, 09.30-11.30

No.	Speaker, company name	Paper title
1.	Takahiro Kasuh, OSAKA GAS CO., LTD	Development Strategies Toward Promotion & Expansion of Residential Fuel Cell Micro-CHP System in Japan
2.	Frédéric Pastier, GDF SUEZ	Micro Central Heating Power & Electrical Vehicle: A Brilliant Future for the Gas Industry

WOC 5. Forum EF 5.B. How Renewables Will Support the Natural Gas Business.

October 7, Wednesday, 9.45-11.45

No.	Speaker, company name	Paper title
1.	Nuno Moreira, DOUROGAS	State of the Art for Natural Gas & Renewables
2.	Martin Seifert, SVGW	Biomethane & Transportation
3.	Hiroaki Shigesada, OSAKA GAS CO.,	Renewable & Natural Gas in Japan

	LTD	
4.	Trinidad Carretero, GAS NATURAL	Renewable (Solar Energy) & Natural Gas in Spain
5.	Stephan Ramesohl, E.ON RUHRGAS	Renewable & Natural Gas in Germany
6.	Véronique Mambre, GDF SUEZ	Future Production of 'Green' Natural Gas - Biomass Gasification etc.
7.	Pierre Bartholomeus, KEMA	Transport of Renewable Gas in the Natural Gas Distribution System
8.	Martin Seifert, SVGW	Use of Biomethane - Transportation Sector in the Future
PGC A. Session CS A.1. The Gas Industry Response to Climate Change October 7, Wednesday, 16.30-18.30.		
No.	Speaker, company name	Paper title
1.	Manoj Kumar Patnaik (GAIL INDIA LIMITED)	Sustainable Developments through a Global Agreement Post the Kyoto Protocol & Geoengineering - Natural Gas Vision 2030
2.	Dalia Streimikiene (LITHUANIAN ENERGY INSTITUTE)	GHG Emission Reduction Costs & Potentials & Assessment of Post-Kyoto Climate Change Mitigation Regimes Impact on Energy Options in Lithuania
PGC A. Forum FE A.A Energy Efficiency and Renewables October 7, Wednesday, 09.45-11.45.		
No.	Speaker, company name	Paper title
1.	Gabriel Marcuz (Gasoducto Nor Andino)	Working Together
2.	Anne Rocher (TOTAL E&P)	How To Improve Energy Efficiency On Oil & Gas Facilities
3.	O.P. Andreev (Gazprom Dobycha Yamburg LLC)	New Well Survey Methods Minimising Technogenic Environmental Impact
4.	Marion Papadopoulo (GDF SUEZ)	Life Cycle Assessment of the European Natural Gas Chain
5.	Martin Rotink (Gasunie)	Recompression Of Natural Gas: Saving The Environment & Money
6.	V.N. Bashkin (Gazprom VNIIGAZ LLC)	Geo-Ecological Risk Management For Stable Development Of Gas Industry
PGC A. Forum FE A.B The Post-Kyoto Challenges of the Natural Gas Industry October 8, Thursday, 09.45-11.45.		
No.	Speaker, company name	Paper title
1.	V.A. Karasevich (Gazprom Promgaz OJSC)	Current Issues & Prospects of Substituting Natural Gas with Renewable Energy Sources for Generating Electric & Heat Energy in the Russian Federation
2.	Frank Graf (DVGW Research Station at Engler-Bunte -Institut)	State Of Biogas Injection To The Gas Grid In Germany
3.	Lori Smith Schell (Empowered Energy)	Maximising The Efficiency Of Natural Gas Use: The Case For Solar Water Heating
4.	Hiromichi Kameyama	Assessment of Distributed Carbon Capture & Sequestration in Japan: Distributed CCS for City Gas System in Japan
5.	Hassan Eftekhari (National Iranian Gas Company)	Feasibility Study of Using Natural Gas for Combined Heat, Refrigeration & Power Generation in Iranian Households
6.	Sari Siitonen (GASUM OY)	The role of Natural Gas in Energy Efficiency Improvement

PGC B Session CS B.1 Gas Supply and Demand to 2030**October 6, Tuesday, 09.30 -11.30**

No.	Speaker, company name	Paper title
1.	Pedro Moraleda (Sedigas)	Introduction to Programme Committee
2.	Jaap Hoogakker (GASTERRA)	Background and Report Summary/ Introduction to Regional Highlights
3.	Neil Thomas (WOOD Makennzie)	Global Gas Dynamics - Whatever Next?
4.	Enrique Grotz (Ernst&Young)	Overview: South America & Caribbean
5.	Anton Broenink (Gas Terra)	Overview: Europe
6.	Mark Robinson (FERC)	Overview: North America

PGC B Session CS B.2 Gas Price Formation and Trends**October 6, Tuesday, 16.30 -18.30**

No.	Speaker, company name	Paper title
1.	Runar Tjersland (STATOILHYDRO)	Background and Report Summary/ Introduction to Sustainability of Current Pricing Mechanism and Expected Developments in Price Formulae
2.	Mike Fulwood (NEXANT)	Natural Gas Price Mapping
3.	Ottar Skagen (STATOILHYDRO)	Towards Globalised Gas Pricing?

PGC B Session CS B.3 Regulation and Future Industry Structure**October 8, Thursday, 16.30 -18.30**

No.	Speaker, company name	Paper title
1.	Pedro Moraleda (Sedigas)	Introduction to Programme Committee
2.	David Sweet (WADE)	Introduction to Study Group
3.	Margot Loudon (EUROGAS)	Background Issues & Report Summary
4.	Susan Court (FERC)	State of Natural Gas Regulation
5.	Joelle Ogg (NAESB)	The Role of Harmonized Business Practices in Natural Gas Regulations of the Future: Examination of the European Union, United States, & New Zealand
6.	Antonio Basolas (Gas Natural)	Overview: Europe
7.	Ezequiel Calciatti (Ernst&Young)	Regulation Overview in South America
8.	Rae McQuade (NAESB)	Industry Standards
9.	Larry Borgard (INTEGRYS)	Overview: North America

PGC B. Forum FE B.A Presentation and Discussion on Selected Papers**October 7, Wednesday 09.45-11.45.**

No.	Speaker, company name	Paper title
1.	Tatiana Mitrova (RAS)	Integration of Gas Markets & Security of Gas Supply & Demand
2.	Devender Nahar (GAIL (INDIA) LIMITED)	Growing India's Gas Markets
3.	Armelle Lecarpentier (CEDIGAZ)	European Gas Demand Prospects: How to Meet Long Term Needs?
4.	Olav Skalmernaas (STATOILHYDRO)	Caspian Gas to Europe: Tomorrow's Legacy is Made Today
5.	Mostefa Ouki (NEXANT)	Middle East Gas: Adapting to New Market Realities
6.	Roland Lajtai (KPMG ENERGY AND UTILITIES ADVISORY SERVICES)	South Stream vs. Nabucco: The Effect of Natural Gas Pipeline Projects in the Central and Eastern European Region
7.	Yuli Grig (CEPMLP, UNIVERSITY OF DUNDEE)	Russia: Resource Nationalism, Security of Supply & the Road Ahead
8.	Chunlei He (RESEARCH)	China's Natural Gas Security Supply in Global

	INSTITUTE OF NATURAL GAS ECONOMY, SOUTHWEST OIL & GASFIELD COMPANY, PETROCHINA)	Perspective
PGC B. Forum FE B.B Presentation and Discussion on Selected Papers October 8, Thursday 09.45-11.45.		
No.	Speaker, company name	Paper title
1.	Akbar Nazemi (NATIONAL IRANIAN GAS COMPANY)	New mechanisms of LNG pricing in Asia
2.	Kuddusi Atalay (IGDAS)	Turkish Natural Gas Market & Legal Regulations
3.	Ashok Kumar Vellimana (RASGAS COMPANY LTD)	Strategic Responses to Commercial Challenges in Upstream Gas Development by Leveraging Size, Value Chain Opportunities & Technology
4.	Jesco von Kistowski (ECONGAS GMBH)	The Sustainability of Multiple Pricing Systems in an Integrated Market
5.	Akira Miyamoto (OSAKA GAS)	Irrational LNG Pricing Impedes Development of Asian Natural Gas Markets: Toward a New Pricing Formula
6.	Mark van Stiphout (EUROPEAN COMMISSION – DG ENERGY AND TRANSPORT)	Investment in the European Gas Network
7.	Mario Confort (ANP)	International Regulatory Aspects on Underground Natural Gas Storage & the Brazilian Natural Gas Act Proposal
8.	Andrew Blyth (ENERGY NETWORKS ASSOCIATION)	Changing Role of Gas in Australia's Energy Future
9.	Gerard van Pijkeren (Gasunie)	The New Dutch Model: Gas Infrastructure Business Development in a Regulated & Non-Regulated Environment
PGC C. Session CS C.1 Developing Gas Markets in South, West and Central Asia October 6, Tuesday 09.30-11.30.		
No.	Speaker, company name	Paper title
1.	Nadeem Shahryar (Sui Northern Gas Pipeline Limited)	Study Group C.1 Report
2.	Gholamreza Manoochehri	Developing & Growing the Regional Gas Markets Through Enhancing Regional Cooperation in South, West & Central Asia
3.	Johann Gallistl (NABUCCO GAS PIPELINE INTERNATIONAL GMBH)	Nabucco Gas Pipeline - Enabling Cross-Border Gas Flows from the Caspian Region & the Middle East to Europe via Turkey
4.	Gi Chul Jung (KOGAS)	Comparative Economics of Natural Gas Project in the Central Asian Countries: Kazakhstan, Turkmenistan, & Uzbekistan
5.	Mehmet Akif Ilhan (ISTANBUL GAS DISTRIBUTION CO.)	Natural Gas Passage from East to West in Turkey
6.	Rajeev Mehrotra (GAIL (INDIA) LTD.)	Market Development in India: Reviewing the Strategies for Natural Gas 2030
PGC C Session C.S. C.2, Developing Gas Markets in South America (from a more integrated perspective)		

October 8, Thursday 09.45-11.45.		
No.	Speaker, company name	Paper title
1.	João Batista de Toledo (PETROBRAS)	Cooperation & Integration: Paths to the Development of Gas Markets in South America
2.	Frank Look Kin (NATIONAL GAS COMPANY OF TRINIDAD & TOBAGO LIMITED)	Issues & Challenges of Developing Gas Markets in South America - is LNG a Practical Solution?
3.	Luciana Bastos De Freitas Rachid (PETROBRAS)	Developing Gas Markets in Brazil – Petrobras’ Vision towards 2020
4.	Marco Gonzalez (SIMON BOLIVAR UNIVERSITY)	Venezuelan Natural Gas Market: a Proposal for its Growing
5.	Adrian Perés (PAN AMERICAN ENERGY LLC)	Gas Market in Argentina - Issues & Challenges
6.	Gonul Gurbuz (ENCHARTER)	Energy Charter Treaty: To Facilitate Cross-Border Gas Flow and Pipeline Interconnections
PGC C. Session CS C.3 Developing Gas Markets in South Eastern Europe October 8, Thursday 16.30-18.30.		
No.	Speaker, company name	Paper title
1.	Robert Bosnjak (ENERGY INSTITUTE HRVOJE POZAR)	See Energy Community – Gas Market Development Opportunities, Challenges & Recommendations
2.	Damir Pešut (ENERGY INSTITUTE HRVOJE POZAR)	Gas Supply Demand in South Eastern Europe - Towards 2030
3.	Peter Kaderjak (REGIONAL CENTER FOR ENERGY POLICY RESEARCH)	Natural Gas & Energy Policies in South Eastern Europe - Powering the Future
4.	Julian Bowden (BP)	Gas Markets in South Eastern Europe - a BP's Perspective
PGC C. Session FE C.A. Future Impact of Geo-politics and Globalisation in Sustainable Gas Supply and Trade October 6, Tuesday 16.30-18.30.		
No.	Speaker, company name	Paper title
1.	Gholamreza Bahmannia (SPGC) NATIONAL IRANIAN GAS CO	The Impact of Natural Gas Geopolitics in World Gas Sustainable Markets: Opportunities for Iran's Developing Gas Industries
2.	Paul Griffin (HERBET SMITH)	Resource Nationalism & the Law
3.	Sudha Mahalingam (NATIONAL SECURITY ADVISORY BOARD)	Whither Natural Gas: Gazing into a Geopolitical Crystal Ball
4.	A.M. Mastepanov (OAO Gazprom)	Gas Industry Formation – Additional Factor for Sustainable Development of Russia’s Far East & its Integration into Economic Relations System of Asia-Pacific
5.	Shivika Mehta (HPCL)	Future Impact of Geo-Politics & Globalisation in Sustainable Gas Supply & Trade
6.	Ana Lía Guerrero (DEPARTAMENTO DE GEOGRAFIA Y TURISMO – UNIVERSIDAD NACIONAL DEL SUR)	Understanding Latin American Gas Crisis. A Geopolitical Approach
PGC C. Forum EF C.B. Developing Natural Gas Markets: How Issues Including Security of Supply, Alternative Fuels, Pricing and Technological Improvements Interact for a Sustainable Development		

October 7, Wednesday 16.30-18.30.		
No.	Speaker, company name	Paper title
1.	Hatef Haeri (ICG)	An Independent Study on Iran's Gas Supply/Demand Over the Next 20 Years
2.	Bent R Svensson (WARLD BANK)	Unlocking the Value of Wasted Natural Gas
3.	A.S. Kazak (VNIIGAZ LLC)	Methodical Approaches to Drawing up Strategy of Gas Industry Integrated Development in Latin America
4.	Morten Frisch (FRISCH CONSULTING)	Potential Solutions to the World's Natural Gas Problems
5.	Kazuo Fujita (SHIBAURA INSTITUTE OF TECHNOLOGY)	Study on Multi-Lateral Trades of Natural Gases between Export & Import: Countries in the East Asian Region Using Multi-Agent System
6.	Sibel Sayiner (GAZBIR)	Liberalisation of Turkish Natural Gas Market & Progress Made in Distribution Sector
7.	Bo Xu (CNPC)	China's Natural Gas Industrial Development: Energy Saving & Reduction of Emissions
PGC D Session CS D.1 LNG Quality October 6, Tuesday 09.30- 11.30		
No.	Speaker, company name	Paper title
1.	Stephen Hull (BP)	SG D.1 Report: LNG Quality & Interchangeability
2.	Tore Løland (STATOIL)	Exporter's View of LNG Quality Adjustment to Fit the End User Market
3.	Angel Benito (ENAGAS S.A.)	New Approaches in LNG Quality & Energy Determination During LNG Carrier Unloading
4.	Kazuhide Hori (TOKYO GAS CO.LTD)	Terminal Flexibility to Receive Different Kinds of LNG
5.	Terry Williams (GL INDUSTRIAL SERVICES UK LTD)	European Gas Interchangeability
6.	Ted Williams (AMERICAN GAS ASSOCIATION)	Manufacturer Testing of U.S. Appliances on LNG Compositions & Other Gases
PGC D Session CS D.2 Economic Aspects in the LNG Industry October 7, Wednesday 09.45 - 11.45		
No.	Speaker, company name	Paper title
1.	Alaa Abujbara (QATARGAS OPERATING COMPANY LNG)	PGC D Report
2.	Boyoung Kim (KOGAS)	Study Group D.2 Report
3.	Stephen Thompson (POTEN&PARTNERS)	The New LNG Trading Model - Short-Term Market Developments & Prospects
4.	Francois Ravel (TOTAL)	Global LNG Demand in a New Economic Environment: The Forecasting Challenges
5.	Enrique Dameno Garcia-Cuerva & Frederico Sanz (REPSOL- GAS NATURAL LNG (STREAM))	A New Business Approach to Conventional Small Scale LNG
6.	Christopher Holmes (PURVIN&GERTZ INC.)	The Impact of the Global Economic Crisis on Global LNG Trade & Spot LNG Prices
PGC D Session CS D.3 Creative Solutions for New LNG Facilities October 8, Thursday 16.30 - 18.30		
No.	Speaker, company name	Paper title
1.	Rob Klein Nagelvoort (SHELL GLOBAL SOLOUTIONS)	Study Group D.3 Report

	INTERNATIONAL BV)	
2.	Ching Thye Khoo (QATARGAS 2)	Execution of LNG Mega Trains - the Qatargas 2 Experience
3.	Adam Bradley (Shell)	Innovation in the LNG Industry: Shell's Approach
4.	A.S. Piotrovsky Giprospeftgaz OJSC	Technical Concept of the Integrated Shtokman Field Development
5.	Silvia Pérez Diaz (REPSOL)	Opportunities of Monetising Natural Gas Reserves Using Small To Medium Scale LNG Technologies

**PGC D Forum EF D.A Know-How Related to Construction, Operation and Maintenance of Existing LNG Facilities (Operational Improvement)
October 6, Tuesday 16.30 - 18.30**

No.	Speaker, company name	Paper title
1.	Mohd Zaparel Awang (MALASYA LNG SDN BHD/PETRONAS)	Growing Challenges of Heat Exchanger's Operation & Maintenance in LNG Plants
2.	Christophe Thomas (TOTAL E&P)	Improving Energy Efficiency of LNG Plants
3.	Takuji Takahashi (TOKYO GAS CO.)	A Self-Contained Training System for LNG Receiving Terminal
4.	Charles Jones (RASGAS COMPANY LIMITED)	Challenging the Traditional Approach to Safety Management & How Leadership Behaviour Affects Safety Performance
5.	Yves Bramoulle (GAS NORMANDIE)	How to Develop A New LNG Terminal in Europe in The Context Of Globalising LNG Markets & Growing Societal Sensitivity on Safety & Environment

**PGC D Forum EF D.B New LNG Projects
October 7, Wednesday 16.30 - 18.30**

No.	Speaker, company name	Paper title
1.	John White (BAKER BOTTS)	Floating LNG: A Review of The Forces Driving The Development Of FLNG, Challenges to be Overcome, Project Structures & Risk Allocation in a Viable FLNG Project
2.	Ilmars Kerbers	A Breakthrough for Floating LNG?
3.	Carlos Lopez Piñon (PERU LNG)	Peru LNG: A Grassroots Gas Liquefaction Project Optimised For Cost in Difficult Times
4.	Blake Backwell (Golar LNG)	Golar LNG: Delivering the World's First FSRUs
5.	Marcus Lang (LINDE AG, LINDE ENGINEERING DIVISION)	Consider Mid-Scale LNG to Monetise Natural Gas

**Task Force on Gas Market Integration
October 8, Thursday 09.45-11.45**

No.	Speaker, company name	Paper title
1.	Geert Greving (GASTERRA)	The Principles of the GMI Model
2.	Dietmar Spohn (STADWERKE BOCHUM)	Russia and Germany: A Solid Regional Energy Partnership
3.	Calliope Webber (GREENGOLD LTDD)	The Evolution of the UK Gas Industry
4.	Javier Fernandez (GAS NATURAL)	Canadá – USA – México: Different Integration Stages with a Common Partner
5.	Ryo Fukushima (TOKYO GAS)	Asia's LNG Market Integration
6.	Khairulanwar Zakaria (PETRONAS)	TAGP, Accelerating Gas Market Integration in ASEAN