

IGRC

International Gas Union

PARIS 2008

Research Conference



REGISTRATION PROGRAMME

INTERNATIONAL GAS UNION RESEARCH CONFERENCE

Cité des sciences et de l'industrie
Paris, October 8-10, 2008





Our energy grows.

We are a company specialized in oil and gas exploration and production, with operations in Argentina, Bolivia, Ecuador, Mexico, Peru and Venezuela. We continue working to further develop the areas where we operate.

www.tecpetrol.com

Tecpetrol



Energy and technology innovation



Gaz de France R&D is involved throughout the gas chain and is oriented according to four main priorities:

- ▶ **INNOVATING:** new gas/multi-service and gas/electricity offers, new combustion processes
- ▶ **CREATING VALUE:** reducing the costs of building, operating and maintaining installations, reducing their environmental impact and promoting the control of energy consumption
- ▶ **ENSURING SAFETY:** industrial safety, safety of indoor installations
- ▶ **PREPARING FOR THE FUTURE:** formulating energy scenarios, new LNG infrastructures, developing renewable energies, focusing on energy management, the building of the future, hydrogen economy and fuel cell, finding ways to capture and store CO₂.

“ *Gaz de France R&D helps to shape corporate policy to face present and future energy challenges.* ”



Marc Florette,
Vice President, Research and Development, Gaz de France



George H.B. Verberg

→ CHAIRMAN'S MESSAGE

Welcome

On behalf of the Policy Committee of IGRC2008, it gives me great pleasure to invite the international gas and energy community to the IGRC2008 Conference. The conference will be held at an excellent venue in Paris, at the Centre for Science and Industry "La Villette", from 8 - 10 October 2008. The Policy Committee is very pleased by the strong support shown by our French Host, Association Française du Gaz (AFG).

There has been a general trend over the last 10 years for gas companies in liberalised markets to reduce R & D expenditure. Given the strategic challenges facing the gas industry, it is now time to reconsider the level of R & D expenditure and its business focus and to reverse the trend of decreasing R & D support! We will certainly address this issue at IGRC2008!

The Technical Programme Committee of IGRC2008 has prepared a very interesting programme. IGRC2008 will offer a balance between short, mid and long-term issues, mainly focusing on the relationship between gas business and gas research. Oral sessions are planned on major issues and technology topics facing the gas industry, such as CO₂ capture and sequestration, safety issues concerning the whole gas chain, methane hydrates, increasing efficiency of depleted and stranded gas fields, gas and renewables, distributed energy generation and the use of information technology to improve the efficiency of the gas chain. Apart from the oral presentations, poster presentations on each of the links in the gas chain will be given, such as Exploration and Production (including LNG), Storage, Transmission, Distribution and Utilisation.

IGRC2008 will provide gas researchers and interested business parties with an excellent opportunity to exchange thoughts and ideas. Technological success cannot be taken for granted, but will have to be based on research and development focusing on basic science as well as technological breakthroughs. In addition, technological developments will have to meet market needs.

I am looking forward to welcoming as many of you as possible.

As our conference slogan says:

"NEW TECHNOLOGIES: INCREASING GAS COMPETITIVENESS".

We hope that IGRC2008 will give your work fresh impetus by providing you with the latest updates in the field of research and development.

See you in Paris!

***"New technologies:
increasing gas
competitiveness"***

George H.B. Verberg

CHAIRMAN POLICY COMMITTEE IGRC2008
IMMEDIATE PAST PRESIDENT IGU



Daniel Paccoud

→ HOST'S MESSAGE

In the autumn of this year, during October 8 to 10, 2008, you will have the opportunity to attend the International Gas Union Research Conference, IGRC 2008 in Paris, hosted by the French Gas Association and Gaz de France. The organising committees prepared a three-days' programme focussing on the major challenges of today's and tomorrow's gas business and **Jean-François Cirelli, Chairman and CEO of Gaz de France, will have the pleasure to open the conference on behalf of France.**

More than 40 high level invited speakers will share their perspectives on subjects of great importance to our business. **The contributions will come from Europe, North America, Asia, Russia and Latin America.** Besides the oral presentations, **we expect more than 300 posters** presenting in depth technical issues that will be carefully selected by the Technical Programme Committee of IGRC.

Also we have the pleasure to announce **two innovative events:**

- ▶ a **CEO's round table** that will deal with the value of technology and innovation in the business;
- ▶ an **innovative exhibit** to show innovative products throughout the gas chain.

The conference venue, "**La Cité des Sciences de La Villette**" in Paris, is an excellent surrounding for a scientific conference. You will not only attend the conference but also enjoy the many exhibitions of "**La Cité des Sciences**" or be entertained by the 3D movies in "**La Géode**". This Conference is the opportunity to share the belief in the benefits that R&D may bring to our global industry to satisfy the need for an environmentally friendly energy source; and also to learn of the latest development in technology.

It will be a great honour to have you participate in the conference.

***We have the pleasure
to announce
two innovative events.***



Marc Florette

Daniel Paccoud

MANAGING DIRECTOR, AFG
IGRC 2008 PARIS, CHAIRMAN OF
THE NATIONAL ORGANISING COMMITTEE

Marc Florette

VICE PRÉSIDENT, RESEARCH AND DEVELOPMENT, GAZ DE FRANCE
CO-CHAIRMAN OF THE NATIONAL ORGANISING COMMITTEE

→ SPONSORING AND ACKNOWLEDGEMENT

■ The following Supporting Organisations are involved in IGRC2008:



■ The Organizers are pleased to acknowledge the following Sponsors:

► PLATINUM SPONSORS



► GOLD SPONSORS



► SILVER SPONSORS



► BRONZE SPONSORS



► GENERAL SPONSORS



→ CONFERENCE PROGRAMME - WEDNESDAY 8 OCTOBER 2008

Remind: Registration is open on Tuesday 7 October 2008 from 16:00 to 18:00.
We strongly recommend poster authors to register on Tuesday.

Registration

Wednesday 8 October 2008 — 08:00 ▶ 18:30

09:00 ▶ 10:50 Opening Plenary Session

Welcome speech **François Varagne**, Chairman of the French Gas Association



Opening of the conference **George Verberg**,
Chairman of the IGRC Policy Committee

Host speech **Jean-François Cirelli**, CEO of Gaz de France

Keynote speaker **Vlada V. Rusakova**, Member of Gazprom
Management Committee Head of Strategic Development
Department
Improving R&D Management of the Company

CEO's roundtable

How R&D shapes 21st Century gas companies?

- **Bob Catell**, Chairman of National Grid (US)
- **G rard Mestrallet**, Chairman and CEO of Suez
- **Bernhard Reutersberg**, Chairman of the Management Board of E.ON Ruhrgas
- **Mark Dodson**, CEO of Northwest Natural
- Speaker from Japan to be determined

10:50 ▶ 11:15 Coffee-break



11:15 ▶ 12:45 Oral Presentations (parallel sessions)

A R&D: Is technology key to the changing gas market?

Session chairman: **Marc Florette** of Gaz de France

1. **Pierre Bartholomeus** of Gasunie Engineering & Technology
R&D Management in the gas industry (in a liberalised and/or deregulated market)
2. **Boris Mladjen** of Enbridge Gas Distribution*
Financial benefits from R&D
3. **Martin Searle** of BAXI and EHI
R&D views of the boiler manufacturers
4. **Gilles Cochevelou** of TOTAL
Role and structure of R&D within the gas industry

C LNG: What comes next?

Session chairman: **Ho Sook Wah** of Petronas

1. **Speaker to be confirmed**
Small scale LNG
2. **Jean-Luc Colonna** of Gaz de France
LNG arbitrage and technology
3. **Wiveka Elion** of Shell Global Solutions
New Development across the LNG value chain

D Underground storage technology: How to use it in the new era?

Session chairman: **Gilles Kimmerlin** of Gaz de France

1. **Jacques Grappe** of G estock
UGS technology improvement
2. **Hermann Spreckels** of E.ON Ruhrgas
Intelligent UGS (iUGS)
3. **Sergey A. Khan** of Gazprom
Small and large scale gas storage

12:45 ▶ 14:00 Lunch



14:00 ▶ 16:30 Poster session Innovations exhibit



14:00 ▶ 16:30 Workshop

Pipeline Integrity - Session chairman: **Gerald Linke** of E.ON Ruhrgas / Organised by E.ON Ruhrgas

16:15 ▶ 16:30 Coffee-break



16:30 ▶ 18:30 Oral Presentations (parallel sessions)

B Next generation appliances: Is there a gap between marketing and technology?

Session chairman: **St phane Brunet** of Natural Gas Technologies Centre

1. **Takashi Tanaka** of Tokyo Gas
Value added service, new service for the residential market
2. **Jean-Pierre Roncato** of Gaz de France
Price drivers influence on new technologies for the gas market
3. **Jean Schweitzer** of Danish Gas Technology Center
Implementation of new technology into the gas market
4. **Martin Orrill** of British Gas New Energy
Dreams of a gas marketer

E Pipeline integrity: What are the new challenges for asset management?

Session chairman: **George Tenley** of PRCI

1. **Gerald Linke** of E.ON Ruhrgas
PIMS (pipeline Integrity Management Systems)
2. **Daniel Ersoy** of GTI
Safety management and inspection: safety an integrity of the Network
3. **David Batte** of Macaw Engineering LTD
*Aging network / Pipeline aging problems/operational life of Assets**
4. **Mures Zarea** of Gaz de France
Security against third party interference

F Gas quality: How to balance conflicting issues?

Session chairman: **Terry Williams** of Advantica

1. **Klaus Altfeld** of E.ON Ruhrgas
Modelling of gas flow in pipelines tracking gas quality
2. **Luc Sabbe** of Fluxys*
New types of gases in natural gas pipelines systems
3. **Ted Williams** of American Gas Association
U. S. Gas Interchangeability Appliance Testing: Activities and Status
4. **Howard Levinsky** of Gasunie Engineering & Technology / University Groningen
Gas quality and interchangeability (towards harmonised specifications)

18:30 ▶ 22:30 Conference dinner

in "La Grande Formule", La Villette
Speech **Marcel Kramer**, CEO of N.V. Nederlandse Gasunie, President Gas Infrastructure Europe and President of the Royal Dutch Gas Association (KVGN)



→ CONFERENCE PROGRAMME - THURSDAY 9 OCTOBER 2008

Registration

Thursday 9 October 2008 — 08:00 ► 18:30

08:30 ► 10:00 Workshop

Bio gases - Session chairman: **Fritz Wolf** of E.ON Ruhrgas / Organised by Gasunie Engineering & Technology and E.ON Ruhrgas

09:00 ► 12:30 Poster session Innovations exhibit



10:45 ► 11:00 Coffee-break



10:00 ► 12:30 Workshop

NaturalHy: The possibilities for mixing hydrogen - Session Chairman: Dave Pinchbeck of GERG / Organised by Gasunie Engineering & Technology

12:30 ► 14:00 Lunch



14:00 ► 16:00 Oral Presentations (parallel sessions)

☑ Residential market: Which future for natural gas?

Session chairman: **Peter Hinstrup** of DGC

1. **Kunihiro Nishizaki** of Tokyo Gas
Fuel Cells, PEM CHP Systems for residential applications, SOFC systems
2. **Speaker to be confirmed**
Gas driven heat Pumps: a challenge for the future
3. **Shuji Washio** of Osaka Gas
Development of Cogeneration System for Residential Applications
4. **Norio Uedono** of Osaka Gas
Hydrogen fueled PEFC Cogeneration for Multi-unit housing complex

☑ E&P: Fit for the future?

Session chairman: **Sergey Rassokhin** of Gazprom

1. **Holger Hueneke** of GdF - PEG
Remaining conventional world gas resources and technological challenges for their development
2. **Koichiro Ikeda** of Osaka Gas
Promotion of Utilization of Unused Natural Gas, Environmentally-friendly Gas to Liquids
3. **Vladimir Gordeev** of Gazprom
Production Resources and Prospects for Development of the New Gas Region - Yamal Peninsula
4. **Kaplan Basniev** of Russian State University
of Oil and Gas
Future sources of natural gas coal bed methane and new gas hydrate

☑ Sustainable energy: Is natural gas the bridge to sustainability?

Session chairman: **Isamu Yasuda** of Tokyo Gas

1. **Joep Huijsmans** of Shell Hydrogen
Hydrogen economy and relation with natural gas
2. **Martin Seifert** of SVGW
Biomass/Biogas, the potential for Europe, members to provide information on their countries
3. **Fritz Wolf** of Bio Erdgas GmbH*
Bio natural gas, production transportation and utilisation
4. **Speaker to be confirmed**
Natural gas renewables symbiosis / solar gas heating for efficient buildings

16:00 ► 16:30 Coffee-break



16:30 ► 18:30 Poster session Innovations exhibit



16:30 ► 18:30 Workshop

CO₂ Capture and Storage: Opportunities for the gas industry? - Session chairman: **Jean-Paul Reich** of Gaz de France / Organised by Gaz de France

18:30 ► 22:30 Gala dinner

in "Explora", La Villette
Speech **Jean-François Cirelli**, Chairman and CEO of Gaz de France



GAS CONFERENCE LYON 2009

>>> The Convention Centre
15, 16 and 17th september 2009

- **Take part in:** Workshops, debates and communication by posters.
- **Visit and meet:** Expogaz and its 8 000 m² of exhibition space and 150 exhibitors.
- **Discover:** Lyon, a business center at the European level / an outstanding historical, cultural and tourist heritage.
- **For more information, visit our websites:** www.congresdugaz.fr / www.expogaz-expo.com

Photo: GdF-Pegaz / G. Besson - Comptoir Publicité

CITÉ | CENTRE DE CONGRÈS | LYON

ONLY LYON
TOURISME ET CONGRÈS

afg
association française du gaz

LNG 16
GNL 16
O R A N 2010



Sixteenth International Conference & Exhibition on Liquefied Natural Gas

Oran, Algeria : 18th to 21st April 2010



LNG 16 Conference Secretariat
BP n°74 - Ain El Bia
31230 Oran - Algeria
Tel : +213 41 420 831
Fax : +213 41 420 840

E-mail : lng16-secretariat@avl-sonatrach.dz

→ CONFERENCE PROGRAMME - FRIDAY 10 OCTOBER 2008

Registration

Friday 10 October 2008 08:00 ▶ 18:30

09:00 ▶ 11:00 Oral Presentations (parallel sessions)

Climate change: What can the gas industry offer?

Session chairman: **Christian Beckervordersandforth** of E.ON Ruhrgas

1. **Per G Kristensen** of Danish Gas Technology Center
Emissions and emission reduction notably of Nox and unburned Hydrocarbons
2. **François Kalaydjian** of IFP*
CO₂ capture and sequestration (underground storage of CO₂)
3. **Junichi Fujino** of National Institute of Environmental Studies
Greenhouse gases reduction case studies
4. **Stefan Lechtenböhmer** of Wuppertal Institute and **Gretta Akopova** of VNIIGAZ
CH₄ emission on the Gazprom system

Gas and electricity networks: What are the options for intelligent energy management?

Session chairman: **Sam Bernstein** from National Grid

1. **Mannes Wolters** of Kiwa, Gastec Technology BV / Twente University
Smart Gas Distributed Grids
2. **Tsuomu Tokumoto** of Tokyo Gas
Regional energy network including CHPs, renewables, energy storages to enhance efficiency and security
3. **Phillippe Buchet** of Gaz de France
Diagnostics and controls for industrial gas applications
4. **Wim van Gemert** of Gasunie Engineering & Technology / Hanze University Groningen
Energy management for the consumer - meeting national energy savings targets

Next generation gas transmission and distribution: What is it?

Session chairman: **José Lanziani** of Tecgas Argentina

1. **Marcelino Gomes** of Petrobras*
Increased pipeline capacity, decrease cost
2. **Speaker to be confirmed**
Gas transport and distribution efficiency, decrease cost of pipe
3. **Christophe Renier** of Gaz de France*
High grade steel pipes new materials for distribution pipes lining of damaged pipes without digging
4. **Seita Shimizu** of Tokyo Gas
Pipeline Integrity Challenges and Solution (low pressure) lining of damaged pipes without digging

11:00 ▶ 11:30 Coffee-break



11:30 ▶ 13:00 Closing Plenary Session

Chairman **George Verberg**, Chairman of the IGRC Policy Committee

11:30 ▶ 12:00 Keynote speaker

Olivier Appert, CEO of Institut Français du Pétrole
The future of natural gas in the global energy context

12:00 ▶ 12:30 Keynote speaker

Nobuo Tanaka, Executive Director of International Energy Agency

The latest analysis of the outlook for natural gas markets over the medium to longer term

12:30 ▶ 12:45 Speaker

Christian Beckervordersandforth, Chairman of IGRC TPC
Wrap up of conference and Dan Dolenc prize

12:45 ▶ 13:00 Presentation of IGRC2011

Focus on...

...Poster session

During the conference there will be three poster sessions, where over 300 presenters will give you a detailed insight in their work.

WEDNESDAY 8 OCTOBER / 14:00 ▶ 16:30

Subjects: Exploration and production, Distribution and Sustainable Development.

THURSDAY 9 OCTOBER / 9:00 ▶ 12:30

Subjects: LNG, Transmission and Storage.

THURSDAY 9 OCTOBER / 16:30 ▶ 18:30

Subjects: Utilisation and Strategy Economics and Regulation.

...Workshops

The following workshops will be organised during the conference:

WEDNESDAY 8 OCTOBER / 14:00 ▶ 16:30

Pipeline Integrity - Session chairman: **Gerald Linke** of E.ON Ruhrgas.
Organisation: E.ON Ruhrgas.

THURSDAY 9 OCTOBER / 8:30 ▶ 10:00

Bio Gases - Session chairman: **Fritz Wolf** of E.ON Ruhrgas.
Organisation: Gasunie Engineering and Technology and E.ON Ruhrgas.

THURSDAY 9 OCTOBER / 10:00 ▶ 12:30

NaturalHy: The possibilities for mixing hydrogen in the natural gas system - Session chairman: **Dave Pinchbeck** of GERG.
Organisation: Gasunie Engineering and Technology.

THURSDAY 9 OCTOBER / 16:30 ▶ 18:30

CO₂ Capture and Storage: Opportunities for the gas industry? - Session Chairman: **Jean-Paul Reich** of Gaz de France.
Organisation: Gaz de France.

...Innovations exhibit

Unique exhibit of the latest gas innovations from around the globe, Innovative Tables Tops will present a nice mix of attractive gas technologies along the gas chain with a strong commitment from their developers.

Be challenged and learn and make new connections !

Your Centre of Excellence for Gas Distribution Technology



We create value with our wide range of services during the entire lifetime of your network:

Design • Construction • Commissioning • Asset Management & Maintenance • Replacement

Technical Consultancy

- Network Design
- Regulation & Standardisation
- Supervision during Construction & Commissioning
- Second Opinion & Technical Audit
- Risk Analysis & Management
- Data Management
- Gas Safety Control
- Pipeline Technology
- Maintenance Management
- Replacement Strategies
- Technical Due Diligence
- Gas Incident Investigations

Material Technology

- Material & Component Testing
- Residual Lifetime Assessment
- Damage Analysis
- Network Software Tool
- IRENE Xpert for Design, Calculation & Analysis

Training

- Custom-made
- In-company, on-site or at our Facilities

**We can also create extra value for you !
Feel free to contact us and find out how.**

Kiwa Gastec Technology
Tel. +31 (0)55 539 32 52
E-mail: technology@kiwa.nl

www.1kiwa.com

→ LA CITÉ DES SCIENCES ET DE L'INDUSTRIE - LA VILLETTE

VENUE AND ACCOMMODATION

The IGRC 2008 will take place in La Cité des Sciences et de l'Industrie, 30, avenue Corentin-Cariou, 75019 Paris.

■ How to reach the La Villette Center?

► BY CAR

Northern Paris ring road (périphérique nord), exit "Porte de la Villette".

- Fee-paying car park, entrances on Quai de la Charente and Boulevard Macdonald. Open every day, 24/7.

1600 underground places with direct access to the heart of the Cité. Delegates are offered a special rate.

For more information please call 33 (0) 1 40 05 79 90

► BY METRO

Line 7, direction La Courneuve - 8 mai 1945, *Porte de la Villette* station (20 min. from the Opéra and famous Parisian stores).

Prepare your itinerary with RATP: www.ratp.fr

► BY BUS

PC1, 2 et 3, Bus 75, 139, 150, 152, 249 and Noctambus N42.
Stop: *Porte de la Villette*.

Prepare your itinerary with RATP: www.ratp.fr

► BY TRAIN

- Gare du Nord (Eurostar and Thalys): 15 minutes by metro.
- Gare de l'Est: 10 minutes by metro.
- Gare Saint-Lazare: 30 minutes by metro.
- Gare Montparnasse: 30 minutes by metro.
- Gare de Lyon: 40 minutes by metro.

Prepare your itinerary with RATP: www.ratp.fr

Prepare your rail itinerary with SNCF: www.voyages-sncf.com

► BY PLANE

Airports of Orly and Roissy Charles-de-Gaulle: 30 minutes by car.

More information about Paris Airports: www.aeroportsdeparis.fr

Prepare your journey with our Transport Partnership Air France:



- Identifier Code: 04117AF

Valid for travel from 03/10/2008 to 15/10/2008

Discounts are applied to a wide range of airfares, in all classes of travel (Espace Première [First], Espace Affaires [Business] and Tempo [Coach] on all Air France flights worldwide).

To access the preferential fares granted for this event, use this link: www.airfrance-globalmeetings.com or the website of this event.

This present document of the event serves to justify the application of the preferential airfare. Keep it with you as you may be asked for it at any point of your journey.

To locate your nearest Air France sales point, consult:

www.airfrance.com

■ Hotels in Paris

A list of hotels offering special rates for the duration of the conference is available (539 rooms have been pre-reserved and this offer is limited: please make an early reservation).

For more information or to book a room: please don't forget to specify "Participant of the IGRC 2008". Note that Paris will be very busy during this period so please make an early reservation. You can book your room directly on the website: www.igrc2008.com

Here is a summary of available hotels:

► Hotel Forest Hill La Villette

28ter avenue Corentin Cariou - 75019 Paris

Metro: Line 7, station *La Villette*

Situation: 10 minutes walking distance to Cité des Sciences

► Hotel Ibis Paris La Villette

31-35 quai de l'Oise - 75019 Paris

Metro: Line 7, direction La Courneuve - 8 mai 1945, station *Porte de la Villette*

Bus: PC1, 2 et 3, Bus 75, 139, 150, 152, 249 and Noctambus N42 / Stop: *Porte de la Villette*

Situation: 10 minutes walking distance to Cité des Sciences

► Hotel Express by Holiday Inn-Canal de la Villette

68 quai de la Seine - 75019 Paris

Metro: Line 7, station *Crimée* or Line 5, station *Laumière*

Buses: Lines 54 and 60, station *Crimée*

Situation: 12 minutes walking distance or 5 minutes by metro to Cité des Sciences

► Hotel Ibis Paris Gare du Nord

197-199, rue Lafayette - 75010 Paris

Metro: Line 7, station *Louis Blanc*

Situation: 15 minutes by metro to Cité des Sciences

► Hotel Ibis Gare de l'Est

6 rue Saint Laurent - 75010 Paris

Metro: Line 7, station *Gare de l'Est (Verdun)*

Situation: 20 minutes by metro to Cité des Sciences

► Hotel Ibis Paris Berthier Porte de Clichy

163bis avenue de Clichy - 75017 Paris

Metro: Line 13, station *Brochant*

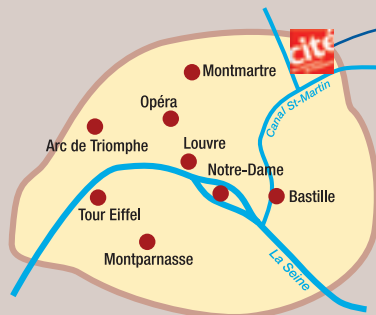
RER: Line C, station *Porte de Clichy*

Buses: 31, 66, 54

Situation: 30 minutes by metro to Cité des Sciences

To book your room, please fill the housing form enclosed.

► MAP



→ HOUSING FORM FOR INDIVIDUALS - IGRC2008

If the form is not fully filled, we will not be able to make the reservation. This form is for one person only. To make reservations for additional attendees, please make a copy of this form. Please complete in using typewriter or block fonts.

■ Participant

Mr Mrs Ms

Last name: _____ First name: _____

Email: _____

Address: _____ Aera code: _____

City: _____ Country: _____

Tél. / Phone: _____ Fax: _____

Thank you to precise your invoice address if it's different of the address above: _____

■ Accommodation (Room will be assigned on a space available basis) Please tick a box

Check in date: _____ Check out date: _____ Number of nights: _____

Type of room : Single or Double or Twin (2 separated beds)

The rates mentioned are net and indicative for 1 night including breakfast and city tax.

Category	Hotels	<input type="checkbox"/> Single	<input type="checkbox"/> Double (1 large bed) <input type="checkbox"/> Twin (2 separated bed)	Deposit
****	<input type="checkbox"/> Holiday Inn La Vilette	210 €	220 €	210 €
***	<input type="checkbox"/> Plaza Lafayette	108 €	127 €	140 €
	<input type="checkbox"/> Villa Saint Martin	138 €	163 €	
	<input type="checkbox"/> Novotel Paris Est	155 €	169 €	
	<input type="checkbox"/> Holiday Inn Express	165 €	180 €	210 €
	<input type="checkbox"/> Forest Hill La Vilette	205 €	218 €	
<input type="checkbox"/> Mercure Terminus Nord	213 €	228 €		
**	<input type="checkbox"/> Ibis La Vilette	87 €	95 €	100 €
<input type="checkbox"/> Ibis Gare du Nord	107 €	115 €		
<input type="checkbox"/> Ibis Paris Berthier	103 €	111 €		
<input type="checkbox"/> Ibis Gare de l'Est	137 €	145 €		

Special requirements : _____

In case the hotel you have chosen is fully booked, do you allow Carlson Wagonlit Voyages to book accommodation in another hotel of the same category ? yes no

■ Payment in euros only Please tick a box

The deposit to be paid depends on the range of prices selected and not of the number of nights booked. No hotel accommodation's request will be processed without those payments. If you wish to book one night only, please contact our agency.

Reservations not fully paid by August 22nd, 2008, will be automatically cancelled. Deposits will not be refunded from August 22nd, 2008, new reservations will be accepted only with full payment.

Full prepayment (by credit card only) Deposit

Visa/Eurocard/Mastercard American Express Diners

I, the undersigned _____ (card holder's name) authorize Carlson Wagonlit Voyages/ COMEVAT to debit my credit card account hereafter:

N° Exp date / Code CVC*

Date ____ / ____ / ____ Signature :

(Month)/(Year)

Bank cheque: accepted until August 22nd, 2008, payable to COMEVAT/Carlson Wagonlit Voyages.

Bank Transfer: accepted until August 22nd, 2008.

Please join a copy of the bank transfer / the name of the participant has to be indicated on the bank transfer.

BANK DETAILS: no bank charge to beneficiary.

CONGRESS CELL	BANK CODE	DESK	ACCOUNT N°	KEY	SWIFT CODE	IBAN CODE
83/878	30004	00274	0010008770	58	BNPAFRPPXV	FR 7630004002740001000877058

■ Cancellation policies

Cancellations/Refund requests must be submitted in writing. Refund requests will be accepted according to the postmark/fax date.

- If cancelled before August 22nd, 2008: Full refund.
- Cancellations from August 22nd, 2008: No refund and 100% of the stay initially booked invoiced / No Shows will be fully charged.

I understand that by signing this form, I accept the above conditions and if I cancel any room after the deadline schedule any attribution penalties applied by the hotel will be charged back to the undersigned participant. No reservation will be done without your signature on this form.

To be sent before August 22nd, 2008 to :

Date & Signature :



A : CARLSON WAGONLIT VOYAGES - c/o EUROPA ORGANISATION
22, Rue de la Pomme - 31000 Toulouse - France
Fax: +33(0) 05 34 45 12 39 - Email: wagonlit@europa-organisation.com
LI N° 31950026 Assurance ZURICH Ireland Limite - Garant: APS

Do not miss 24th WGC 2009 in Argentina!

Mark your Calendar
for the Call for Papers!

- **01 June 2008**
Issuing Call for Papers
- **01 February 2009**
Deadline Abstract
Submission



www.wgc2009.com



24th World Gas Conference
ARGENTINA | 2009
5-9 October

The Global Energy Challenge:
Reviewing the Strategies
for Natural Gas

→ TOURISM IN PARIS

If you would like to have information about Museums, Exhibitions, Cultural events or Tourism, visit the Paris Visitors Office website www.parisinfo.com

Paris is a city of Art and Culture. To discover or re-discover the best places among which...

■ Le Louvre

One of the most famous museum of the world, the Louvre Museum presents collections of western art from the Middle Ages to 1850, and the antique civilisations that have preceded and influenced this art. You can also visit new galleries devoted to Italian and Spanish paintings and Egyptian antiquities.

Information: www.louvre.fr



■ Musée d'Orsay

The Musée d'Orsay presents the arts and artistic creativity of the period from 1848 to 1914 through its collections of paintings, sculpture, the decorative arts, sculpture and photography.

Information: www.musee-orsay.fr

■ Musée des Arts Premiers

This museum is dedicated to arts and civilisations. It houses collections from the Musée national des arts d'Afrique et d'Océanie and from the Ethnological Laboratory of the Musée de l'Homme. This new museum, built according to plans by Jean Nouvel in a huge public garden designed by Gilles Clément, develops the scientific missions of the two existing museums, by offering visitors a wide range of activities.

Information: www.quaibrantly.fr

■ Centre Beaubourg - Georges Pompidou

This is the place of modern and contemporary culture houses. You will also find a public information library open to all, exhibition galleries, cinemas, shows and concert halls and a contemporary music research centre (IRCAM).

Information: www.cnac-gp.fr

■ Musée Grévin

Three hundred wax figures give every visitor the chance of an exclusive meeting with the stars, magically made real and approachable.

Information: www.grevin.com

■ Musée Rodin

Works and collections by French sculptor Auguste Rodin exhibited in a private mansion of the 18th century.

Information: www.musee-rodin.fr



■ L'Arc de Triomphe

This is one of the most famous monuments in Paris. It was commissioned in 1806 after the victory at Austerlitz by Emperor Napoleon I at the peak of his fortunes. It stands in the centre of the Place Charles de Gaulle at the western end of the Champs-Élysées.

Information: arc-de-triomphe.monuments-nationaux.fr

■ Museum d'Histoire Naturelle

Collection of ethnology, anthropology and prehistory. From 3,5 million years B.C to the present day : synthesis of the sciences of man and of his evolution.

Information: www.mnhn.fr

■ The Eiffel Tower

The most well-known monument in Europe is a an iron tower built on the Champ de Mars beside the River Seine by Gustave Eiffel between 1887 and 1889 for the Exposition Universelle. The structure is 324 m high, it weighs 7300 tons. There are 1660 steps.

Information: www.tour-eiffel.fr

■ Notre Dame de Paris

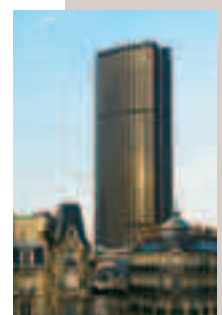
It was one of the first Gothic cathedrals, and its construction spanned the Gothic period. Its sculptures and stained glass show the heavy influence of naturalism, giving them a more secular look that was lacking from earlier Romanesque architecture.

Information: www.notredamedeparis.fr

■ The Montparnasse Tower

This tower is a 210 metres tall office skyscraper located in the area of Montparnasse. Constructed from 1969 to 1972, it is the tallest skyscraper in France. This is one of the most beautiful view of Paris.

Information: www.tourmontparnasse56.com



→ GENERAL INFORMATION

■ Final programme

The Conference final programme will be given to all participants upon registration. The programme Committee reserves the right to change the programme.

■ Registration details

Participants are requested to complete the form attached to the brochure and return it by post to: **AFG - 62 rue de Courcelles - 75008 Paris - France**, at the latest by 6th October 2008. After this date, the registration will be directly taken at the Paris Convention Center during the Conference. All payments must be made in euros, no other foreign currency can be accepted. Payment can be made by cheque payable to "AFG" or by bank transfer net of fees in accordance with the instructions given in the registration form.

This year, you can also register and pay directly on line on this website.

Whether your application is made by post or via the internet, on receipt of payment and registration form, a confirmation and receipt for the payment will be sent to each participant. Participants must present the receipt when registering to be allowed into the Conference rooms and receive conference materials. Access to the Conference will be provided only to participants having paid their registration fees.

■ Cancellation

Any cancellation to the Conference registration must be notified to the AFG by letter or by fax (n° 00 33 1 44 01 87 10). The registration fee paid can be refunded only if the cancellation is received before September 8th 2008 and after deduction of expenses already incurred (a lump sum of 60 euros VAT included). Refunding will be made after the Conference.

■ Conference languages

The language of the sessions will be English. The part of the session (🔊) will be translated in Russian.

■ Badges

Badges must be worn within the Conference area, both during the sessions and receptions. They will be supplied at registration.

■ Passport and visas

Depending on the country of origin, an Identity Card or a valid Passport is required to enter France. A visa will be required in some cases.

Participants are recommended to check beforehand with the local French Embassy or Consular Authorities or with their Travel Agencies.

Also, we could send to you an invitation letter to the IGRC 2008 when you will have been registered and payed.

■ For additional information, please contact :

► FOR THE PROGRAMME:

Rob Aptroot
IGRC Technical Programme Committee
Telephone : 00 31 50 521 30 47
Fax : 00 31 50 521 19 46
E-mail: igrc2008@gasunie.nl

► FOR THE REGISTRATION:

Registration Departement
Sandrine Driancourt
62, rue de Courcelles, 75008 Paris, France
Telephone : 00 33 1 44 01 87 11
Fax : 00 33 1 44 01 87 92
E-mail : service.compta@afgaz.fr

→ REGISTRATION FORM

An easy way to register

You have the possibility to register or/and pay on-line via our website at www.igrc2008.com

■ Delegate registration (Please to fill in capital letter)

Family Name: _____ First Name: _____

Company: _____

Job Title: _____

Address: _____

Zip code: _____ City: _____ Country: _____

Tél.: _____ Fax: _____ E-mail: _____

Thank you to precise your invoice address if it's different of the address above: _____

■ Registration fees

A > The registration fee for authors of posters () and participants () is 950 € VAT excluded (**1 136,20 € VAT included**) (tick appropriate boxes). The registration fees include coffee breaks, lunches and dinners of Wednesday and Thursday.

B > Kindly note that there will be extra costs for accompanied people to IGRC dinners.

• **Gasunie dinner** (Wednesday evening): there will be a cost of 60 € VAT excluded (**71,76 € VAT included**) per additional person.

• **Gaz de France Gala dinner** (Thursday evening): there will be a cost of 60 € VAT excluded (**71,76 € VAT included**) per additional person.

I will take part in the Gasunie dinner: yes no

I will be accompanied: yes no

I will take part in the Gaz de France Gala dinner: yes no

I will be accompanied: yes no

■ Total All taxes included

Total A , € Total B , €

Payment to the attention of AFG- IGRC2008. Total A + B , € **VAT included**

■ Choose your oral sessions and workshops

Please choose sessions you wish to attend and tick appropriate boxes to inform us.

Attention for the workshops, only 60 places are available. The 60 first requests will be taken into account.

WEDNESDAY 8 OCTOBER 2008

► 11:15 - 12:45

A > R&D: Is technology key to the changing gas market?

C > LNG: What comes next?

D > Underground storage technology: How to use it in the new era?

► 14:00 - 16:30

Workshop "Pipeline Integrity"

► 16:30 - 18:30

B > Next generation appliances: Is there a gap between marketing and technology?

E > Pipeline integrity: What are the new challenges for asset management?

F > Gas quality: How to balance conflicting issues?

THURSDAY 9 OCTOBER 2008

► 08:30 - 10:00

Workshop "Bio gases"

► 10:00 - 12:30

Workshop "NaturalHy: The possibilities for mixing hydrogen"

► 14:00 - 16:00

G > Residential market: Which future for natural gas?

K > E&P: Fit for the future?

I > Sustainable energy: Is natural gas the bridge to sustainability?

► 16:30 - 18:30

Workshop "CO₂ Capture and Storage: Opportunities for the gas industry?"

FRIDAY 10 OCTOBER 2008

► 09:00 - 11:00

H > Climate change: What can the gas industry offer?

L > Gas and electricity networks: What are the options for intelligent energy management?

M > Next generation gas transmission and distribution: What is it?

Payments terms

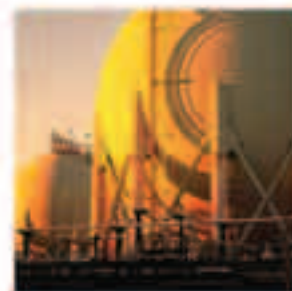
• By credit card with the payment on-line via our website at www.igrc2008.com (only Visa Card - Amex is not accepted).

• By cheque drawn in euros payable to AFG.

• By bank transfer payable to AFG to bank account n°00505477940 - key 74 -, beneficiary: AFG CONGRES, clearly marked for "IGRC2008", with the name of the participant. The address of the bank is CCF Saint Augustin/HSBC, 3 rue de la Boétie, 75008 Paris, France and it codes: bank code 30056 - desk code 00050. Swift code (BIC) of the bank is: CCFRFRPP and IBAN is FR76 3005 6000 5000 5054 7794 074. In case of wire transfer, please enclose copy of the order to the registration form.

All registration cancellation must be notified by letter or fax before 8th September 2008.

60 € VAT included will be charged to cover administration expenses for follow-up of your file.



Serving Gas Professionals Worldwide

Individual and Company Membership

Grades tailored to you
Increase your career profile
Continuous Professional Development
International Networking Opportunities
Young Persons Network

IGEM Standards

Recognised gas industry standards
Developed by suitably qualified gas engineers and other experts
Subject to wide industry consultations before publication

Events and Conferences
Directory of Services
The Gas International Journal
Technical Seminar Workshops
Roadshows
International Exhibitions

For more information
www.igem.org.uk

Gasunie Engineering & Technology (GET)

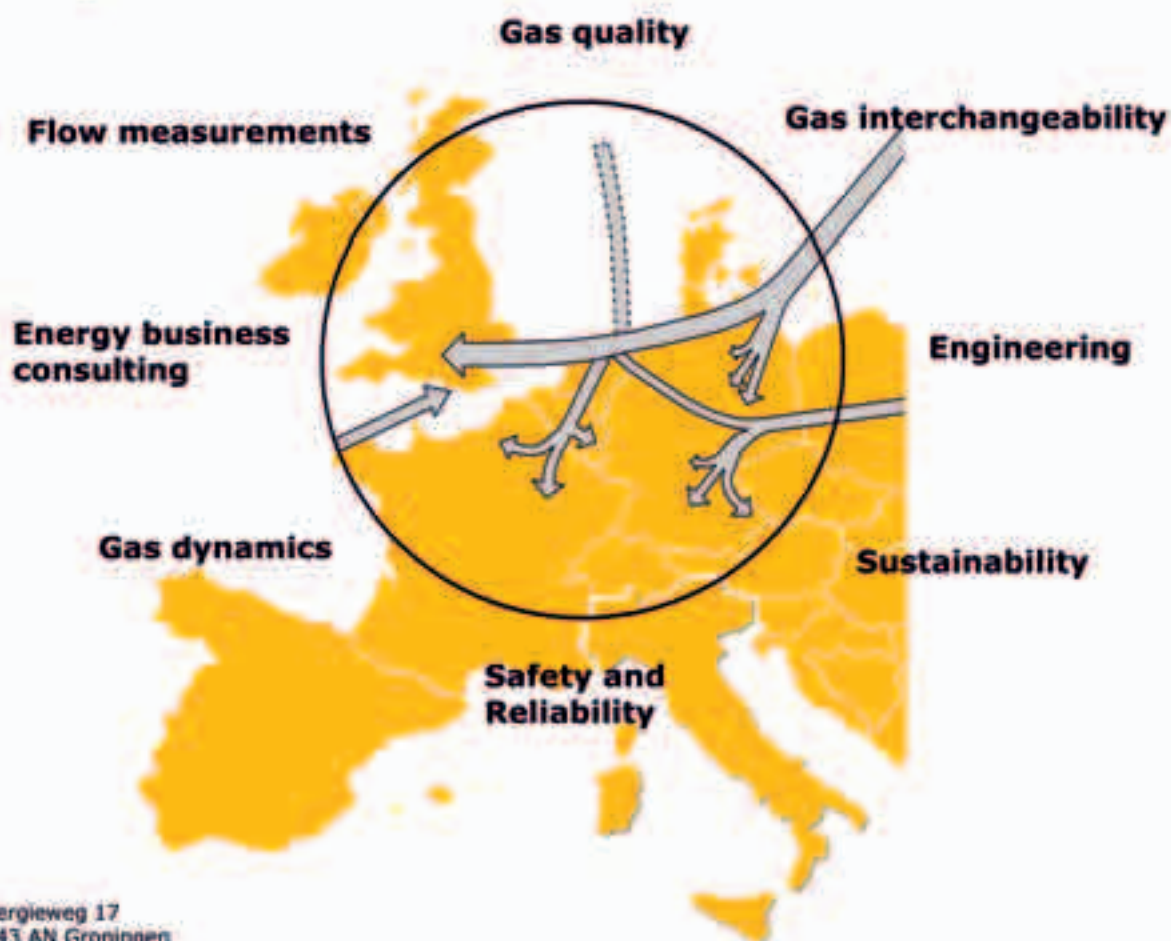


Knowledge and consultancy centre for gas infrastructure & utilization



Pierre Bartholomeus
Manager of Gasunie Engineering & Technology

- GET is ideally equipped for knowledge-intensive projects at the highest level.
- GET provides a one-stop-shop for a broad array of services ranging from fundamental research to policy studies.
- GET helps in a world in which considerable energy saving is possible through efficient housekeeping, process optimization and introduction of new technology.



Energieweg 17
9743 AN Groningen
P.O. Box 19
9700 MA Groningen
The Netherlands

T +31 (0)50 521 25 25
F +31 (0)50 521 19 46
E: get@gasunie.nl
www.getgasunie.nl

Gasunie Engineering & Technology is a division of N.V. Nederlandse Gasunie, one of Europe's leading gas infrastructure companies. The laboratories of GET are amongst the best in Europe with unique high pressure facilities.



Energy is always available, everywhere. All we've got to do is use it wisely.

Energy's a funny thing. It's always available, everywhere - in contrast to what many people may think. All we've got to do is use our existing energy stocks wisely. But of course, converting existing energy into usable energy - into something that comes out of a wall socket - is easier said than done. After all, not everyone's equally good at it.

Essent knows how to make the best possible use of the energy we have on earth. Not just the fossil fuels we're all familiar with, but also newer energy sources such as biomass, wind and solar power. Not to mention future sources, some of which may quite literally come from another planet. We lead the field in this, because we invest more energy in ideas, in research and in training. In short, we invest more energy in energy.

www.essent.nl

Energy needs energy. Energy needs Essent.

-essent