

# Gastech

## Conference & Exhibition

The Netherlands | Amsterdam RAI | 21-24 March 2011

25TH EDITION

Where the commercial and  
technical gas worlds meet



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# The Gastech 2011 Governing Body

The Gastech Governing Body is comprised of 33 of the most influential and experienced individuals in the gas industry.

Gastech is proud that its conference is developed and run purely by the industry, for the industry and always aims to deliver the most relevant, highest quality papers to our delegates, based on the careful selection and decisions made by our Governing Body.



**Chris Clucas**  
*Commercial Director,*  
Bernhard Schulte  
Shipmanagement  
(Isle of Man) Limited



**De La Rey Venter**  
*Global Head of LNG,*  
Upstream International,  
Shell



**Noel Tomnay**  
*Head of Global Gas,*  
Wood MacKenzie



**Ieda Gomes**  
*Head of New Ventures,*  
BP Gas, Asia & Middle East



**Sara Banaszak**  
*Senior Economist,*  
Policy Analysis, American  
Petroleum Institute (API)



**Georg Krude**  
*Senior Vice President*  
Strategy Gas,  
E.ON Ruhrgas AG



**Charles Durr**  
*Energy Technology,*  
KBR



**Lars Odeskaug**  
*CEO,*  
Torp LNG



**Guy Broggi**  
*Head of LNG Supply,*  
Total Gas & Power



**Heather Rodgers**  
*Chief Procurement Officer,*  
Centrica



**Bill Wayne**  
*General Manager,*  
SIGTTO



**Bill Sember**  
*Vice President,*  
ABS



**Ron Bowen**  
*Chief Process Engineer,*  
ExxonMobil Upstream  
Research Company (retired)



**Patrick Olinma**  
*General Manager,*  
Nigeria LNG



**James Ball**  
*President Director,*  
Gas Strategies



**Paul Sullivan**  
*Chief LNG Consultant,*  
CCL



**Beate Raabe**  
*EU Director,*  
OGP (International  
Association of Oil & Gas  
Producers)



**Thierry Rouaud**  
*Secretary General,*  
Cedigaz



**Jan Van Aken**  
*Secretary General,*  
EFET (European Federation  
of Energy Traders)



**James Childress**  
*Chief Executive,*  
GTC (Gasification  
Technologies Council)



**Walter Boltz**  
*Chairman of Gas Group,*  
EREG (European  
Regulators Group for  
Electricity & Gas)



**Iain McNeil**  
*Managing Director,*  
Witherby's Seamanship



**Ahmad A Al Somali**  
*Process Engineering Division  
Head,*  
Saudi Aramco



**Rashid Hamad Al-Marri**  
*General Manager,*  
South Hook Gas, Qatargas



**Paul Sibal**  
*Chief Process Engineer,*  
ExxonMobil Upstream



**Brian Price**  
*Vice President,*  
LNG Technology,  
Black & Veatch



**Doug Brown**  
*General Manager,*  
China LNG Shipping



**Graham Moore**  
*Senior Commercial Adviser,*  
Chevron Global Gas



**Fereidun Fesharaki**  
*Chairman & CEO,*  
FACTS Global Energy Group



**David Brookes**  
*Chief Engineer - Subsea &  
Floating Systems,*  
BP PLC



**Deborah Turner**  
*Director LNG,*  
Braemar Shipping Services



**Daniel Hec**  
*Secretary General,*  
Marcogaz



**David Messersmith**  
*Manager of LNG Technology  
and Services Group,*  
Bechtel Corporation

# Welcome to the 25th Gastech Conference



"We are delighted to be hosting Gastech 2011 in The Netherlands. Natural gas is an essential component of a sustainable global energy mix, and vital for meeting increased demand for energy. At Shell, we are growing our natural gas business, so much so that by 2012 gas will account for around half of our production. Gastech 2011 provides us with an ideal platform to meet and communicate with our customers and partners from across the global gas industry."

**Peter Voser**  
CEO, Royal Dutch Shell Plc

"It's both exciting and inspiring to help create Gastech 2011, which returns to North-West Europe for the first time since 1993. With superb host support from Shell and our newly-expanded (and highly-knowledgeable) Governing Body – plus many of the world's most respected companies in the gas industry – we're able to deliver an event where the quality of conference paper and expertise of speaker is, truly, second to none. We've also logically evolved some of the content, respecting what our past delegates have asked us to programme and what most accurately reflects the market at present: unconventional gas impact upon supply, the latest frontier LNG projects, gas trading & origination, advances in key new technology – to name just a few areas we are covering in detail for 2011. We look forward to meeting you in Amsterdam – a great city which will bring the global gas community together for an exciting, vibrant and entertaining experience over the four days. Welcome to Gastech."



**Gavin Sutcliffe**  
Head of Content, Gastech



# Preliminary Programme

## MONDAY 21st MARCH

### Opening Session:

- **Dutch Government Welcome Address & Opening Ceremony**
- **Welcome Address from our host:**  
Malcolm Brinded CBE, *Executive Director Upstream International*, **Shell**
- **Keynote Leadership Panel:** The Role of Gas in the Future Energy Mix
- **Inspirational Keynote Speaker:**  
Professor Brian Cox OBE, **University of Manchester** and **CERN Institute**
- Tour of the Exhibition Floor

### Afternoon Sessions:

#### Commercial Track: **Global Gas Market Outlook**

**Keynote Address:** John D. Gass, *President*, **Chevron Global Gas**

#### Papers:

- LNG Markets: Dealing with Post-Crisis Context and Rising LNG
- Shifting Global Gas Dynamics
- Unconventional Gas: A Blessing or a Menace for the International Gas Industry?
- Future Export Availability of Gas from Middle East and North Africa
- Marketing and Managing 42 MMTA of LNG in a Global LNG Market
- Global LNG 2008 to 2010; The Great Discontinuity?
- Will Supply Constraints Temper LNG's Growth Potential?

#### Technical Track: **Developments in Safety & Training**

**Keynote Address:** Matthias Bichsel, *Projects & Technology Director*, **Shell**

#### Papers:

- SIGTTO Revisions of the IGC Code
- Summary of Investigations into the Effects of Fire on LNG Carrier Cargo Containment Systems
- The Sloshing Motion Phenomena in Liquid Cargo Tanks
- Measurement of Sloshing Impacts
- Manning a New Generation of LNG Carriers
- Cryogenic Fluid Dynamics and the Avoidance of 'Rollover'

## TUESDAY 22nd MARCH

### Morning Sessions:

#### Commercial Track: **Natural Gas & LNG Projects**

#### Papers:

- Pearl GTL – Delivering a World-Scale Project
- A Plant for All Reasons – Standardised or Customised
- From Simulation to Reality: Start-up and Initial Operation of Sakhalin Energy's LNG Plant
- Success and Challenges of Operation of the AP-X® Liquefaction Unit
- Ethane Production from an Existing LNG Train
- Angola LNG: Creating the Foundation for Sustainable Development, Environmental Enhancement and Shareholder Investment
- Lump-sum EPC Contract for Kochi LNG Terminal – A Split Contract Approach

#### Technical Track: **LNG, LPG & Chemical Gas Shipping**

#### Papers:

- Green and Flexible LNGC: a New Philosophy for LNG Shipping
- Small Scale LNG and Breaking Bulk
- Going Small with LNG Projects
- MSC.285(86) and Code for Gas-Fuelled Ships (IGF-Code) – Technical Challenges and Perspectives
- LNG Powered Ships: Fundamentals, Benefits and Operational Issues from an Engineering Perspective

### Afternoon Sessions:

#### Commercial Track: **Unconventional Gas**

#### Papers:

- Australia – The Commercial and Technical Challenges of Converting Coal Seam Gas to LNG
- How Policy and Regulation Intersects with Unconventional Gas in the U.S.
- European Unconventional Gas – Will it be a 'Game Changer'..?
- Will Asian Shale Gas Transform Global Markets?
- Outlook for Domestic Gas Production in Europe and the Potential Role of Unconventional Gas
- Marcellus Shale
- The US Natural Gas Revolution: Technology Transforms a Market

#### Technical Track: **Technology Advances in Gas Processing**

#### Papers:

- Techno-Economic Analysis of Combined Cycle Based Liquefaction Plants
- Next Generation of Onshore LNG Plant Designs
- Machinery/Process Configurations for an Evolving LNG Landscape
- A Tale of Two Sieves
- The SWAP: A Breakthrough in Flue Gas Cleanup, CO<sub>2</sub> Mitigation and H<sub>2</sub>S Disposal

## WEDNESDAY 23rd MARCH

### Morning Sessions:

#### Commercial Track: **New Realities for LNG**

##### Papers:

- Long Term LNG Supply – The Next Generation
- Current Myths About LNG
- New Realities for LNG
- Can Small-Scale LNG Import Projects Make Commercial Sense?
- Is The Current Surplus of LNG Shipping Set to Stay? An Examination of the Supply/Demand Fundamentals of the Fleet
- Establishing LNG Storage Capacity at LNG Receiving Terminals
- Adding Value Through NGL Recovery at LNG Receiving Terminals

#### Technical Track: **Advances in Key Enabling Technology**

##### Papers:

- An Opportunity to be Discovered: The Offshore Electric Power Generation Business
- An Integrated Instrumentation and Control Package for Floating and Aerial LNG Transfer Systems
- Floating LNG Import Terminal in Dubai
- Gas Supply Developments Using Distributed LNG Concepts
- Angola LNG Plant
- New Set of Rules for LNG FPSO and FLNG Terminals

### Afternoon Sessions:

#### Commercial Track: **Gas Contracting & Trading**

##### Papers:

- Outlook of the Role of the Emerging Markets in Underpinning Existing and New LNG Projects
- Can Henry Hub or NBP Become a Price Index for Asia Pacific LNG Contracts?
- How will LNG Imports into Europe Impact Long-Term Contract Pricing of Pipeline Gas?
- LNG Pricing Which Enables the Sustainable Growth of the LNG Business
- Pricing Under LNG SPAs: The Impact of Current Market Dynamics on Price Review Mechanisms
- Friend or Foe - National Oil Companies and International Oil Companies

#### Technical Track: **Floating LNG**

##### Papers:

- The Seamless Integration of Subsea Architecture with Floating LNG: Issues, Challenges and Solutions
- Lesson Learned in Qualifications of Components and Systems for LNG Offshore Transfer
- Floating LNG Grows Up
- Belanak FPSO – Five Years of Successful Operation and its Application to Floating LNG
- Developing a Complete Innovative Tandem Offloading Solution Based on Floating Cryogenic Hoses
- OLT Offshore Toscana, the World's First Offshore Floating LNG Regasification Terminal : An Update

## THURSDAY 24th MARCH

### Innovation Track:

Understanding the Latest Developments that will Change and Influence the Gas Industry in Significant, Game-Changing Ways

#### **Fuelling the Future: The Next Generation of Gas Engineers:**

- How the Gas Industry can Develop and Retain the Very Best Talent
- What Makes this Business Attractive for an Engineer and What are the Alternatives?
- Future Career Development – NOCs vs. IOCs, Commercial vs. Technical

#### **The Gastech Governing Body Conference Wrap-Up:**

The final opportunity to learn about any sessions missed throughout the event, plus succinct overviews on the highlights and surprises coming to light over the event's course. Plus a look towards the next Gastech event with a preview of the issues that could matter most...

## TUESDAY:

Join us for our exclusive 3rd conference stream – the European Federation of Energy Traders (EFET) **Gas Trading & Contracting Day**, where top regulators, traders and influencers come together at Gastech for the very first time.

## WEDNESDAY:

Join us for our exclusive 3rd Conference Stream – the Gas Technology Institute (GTI) are running a fascinating **Unconventional Gas Day**, boasting many of the world's foremost exponents, engineers & commercial players in this game-changing sector.



# Why attend?

Gastech is a prestigious meeting place for thousands of senior gas industry professionals from more than 50 countries across six continents. **Governmental participation** at a high level is usual, as is participation of the world's leading petroleum and gas corporations.

Luncheons and social functions will provide you with **unrivalled networking opportunities** to meet with industry peers and build strategic business relationships.

As a delegate, you can expect to obtain **outstanding industry insight**: topical, new and compelling conference sessions help you stay abreast of industry developments, obtain technical knowledge and understand the issues affecting today's global gas industry.

## Don't just hear it from us!

“ The conference programme is extremely important as it is the vehicle for people in the LNG and gas industry that allows them to see the progress of the industry evolution - from all aspects, be it technical, commercial or other. The programme value is that it highlights innovation and successes in both the commercial world and technical world, and this is beneficial to all parties in the LNG and gas business. ”  
*Philip Hunter, Manager of LNG & Gas Centre of Excellence, Bechtel Oil, Gas & Chemicals Inc.*

“ Gastech is a worldwide gathering of high level professionals, dealing with the current trends in the gas business. A good mix of commercial and technical specialists and up-to-date information related to what will happen in the future, make this an event you should not miss. ”  
*Guy Broggi, Head of LNG Supply, Total Gas & Power*

“ After months considering the papers for Gastech 2011, the Governing Body has selected a conference programme that best reflects the needs of the industry, covering the most relevant and topical matters for today's gas industry professional. ”  
*Iain McNeil, Managing Director, Witherby's Seamanship*

“ Gastech enables commercial and technical to share our common interests and develop a clearer vision for the future of gas. ”  
*Noel Tomnay, Head of Global Gas, Wood Mackenzie*

“ Gastech is at the front of LNG innovation and the arbiter of current thinking across the industry. I have been involved in the exhibition and conference over the last decade and have never been disappointed. ”  
*Paul Sullivan, Independent LNG Consultant*

“ If you want to know what is going on in the gas shipping business, this is the one conference to visit. ”  
*Chris Clucas, Commercial Director, Bernhard Schulte Shipmanagement (Isle of Man) Limited*

See our website for the latest delegate list and details of our unrivalled networking opportunities

# Who attends?

Senior decision-makers and professionals operating within the commercial and technical aspects of the global gas world come together at the Gastech conference to debate business trends and discuss the latest commercial and technological developments in their industry.

As a guide, you can expect to meet Chairmen, Presidents, CEOs, COOs, Vice Presidents, Directors or Managing Directors of national and international gas organisations.

# The exhibition

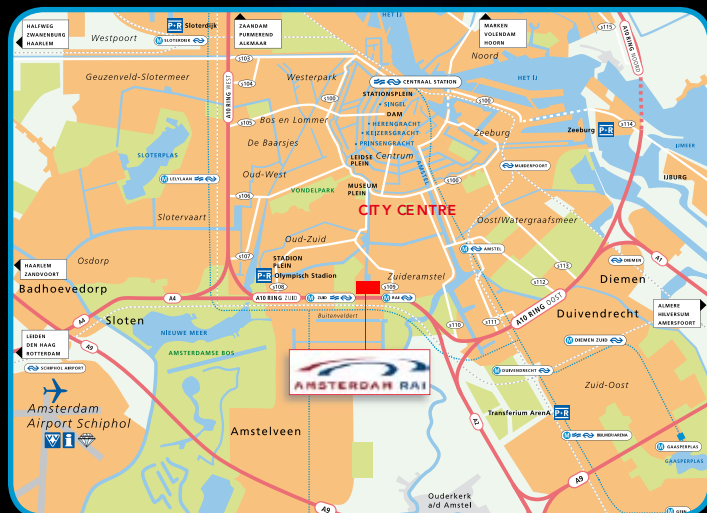
A major showcase of the latest gas industry products, services, innovations and technologies, Gastech 2011 will play host to more than 250 exhibiting companies from the downstream, midstream and upstream sectors of the gas supply chain, providing a valuable meeting place to network, conduct business and build strategic partnerships.

Exhibitors include national oil and gas companies, international oil and gas companies, manufacturers, suppliers and technology service providers, each showcasing their capabilities in gas exploration and production, processing, storage and transportation.

# The location

One of Europe's most exciting cities, Amsterdam boasts nearly 800 years of history and is a thriving commercial and industrial centre, with historic sites, charming shopping streets, exciting nightlife, superb restaurants and museums. With excellent transport links from across Europe and the rest of the world, Amsterdam is one of the world's preferred congress cities.

The Amsterdam RAI is the perfect venue for Gastech's 25th edition. One of Europe's most important international exhibition and conference venues, each year the RAI hosts over 1,000 national and international conferences and events.



# Gastech 2011 Supporters

Gastech 2011 is supported by major industry organisations, media, the Dutch Government and 21 leading international industry associations, delivering unprecedented endorsement and confirming Gastech as the event to attend – no matter what part of the supply chain you operate within.

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# REGISTER YOUR PLACE TODAY!

**Delegate fee: €2,249 + VAT\***

\*Take advantage of this 2010 delegate rate when you register by 31st December

## Your Gastech 2011 delegate pass includes:

- Access to all conference sessions over four days
- Lunch in the delegate dining area
- Daily coffee networking breaks
- Invitations to evening networking functions
- Conference papers and documentation
- Four-day Amsterdam City travel pass, courtesy of Host sponsor Shell
- Entry to the Gastech exhibition

**REGISTER ONLINE NOW AT**  
**[www.gastech.co.uk/conference](http://www.gastech.co.uk/conference)**

For assistance in making a delegate or group booking,  
contact Zviad Zviadadze at [zviadzviadadze@dmgevents.com](mailto:zviadzviadadze@dmgevents.com)  
or call +44 (0)20 3180 6573