



EITEP - Euro Institute for Information  
and Technology Transfer in Environ-  
mental Protection GmbH  
Am Listholze 82  
30177 Hannover  
Germany  
www.eitep.com

Contact  
Mr. Dennis Fandrich  
Tel. +49 511 90992-22  
E-Mail: fandrich@eitep.de

# Conference Program



## Pipeline Technology Conference 2010

19-20 April 2010, Hannover, Germany

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Silver Sponsors



[www.ptc2010.com](http://www.ptc2010.com)

## WELCOME TO THE 5<sup>TH</sup> PIPELINE TECHNOLOGY CONFERENCE

On behalf of the members of the Advisory Committee I am pleased to invite you to the Pipeline Technology Conference 2010 (ptc 2010) – central meeting point for the European and the international pipeline community. For the fifth time the ptc is now taking place within the framework of the world's largest technology event HANNOVER MESSE with its 200,000 visitors every year.

Since 2006, the main focus of the conference is on latest technologies and new developments in the international pipeline industry. Besides an overview on international pipeline projects, new construction methods and innovative materials, ptc 2010 will provide interesting insights into new O&M, ILL and integrity management field studies and technologies. For the first time the ptc will also feature a "special issues" session dedicated to latest developments in peripheral fields like CCS, LNG, EOR and land management.

I look forward to welcoming you to Hannover in April and to seeing you during our Pipeline Technology Conference and accompanying exhibition as well as during our two new post-conference seminars.

Dr. Klaus Ritter  
Pipeline Technology Conference Chairman  
President of EITEP

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Introducing the c  
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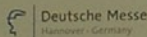


Mr. Jiang Runyu  
NORC - National Development and Reform  
Commission

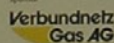
## Pipeline Technology Conference 2009

22-23 April 2009  
Convention Center, HANNOVER MESSE

Organizers



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Supporters



Media Partners



**MONDAY, 19 APRIL 2010**

09.30	Registration	Room 1b
10.00	Welcome	Room 1b
10.15	Plenary Session: World Pipeline Outlook	Room 1b
13.30	Lunch Break	Foyer
14.30	Session 1: Planning and Construction	Room Frankfurt
	Session 2: Operation and Maintenance	Room München
17.30	Get-together Party	Foyer

**TUESDAY, 20 APRIL 2010**

10.00	Session 3: Inspection and Leak Detection	Room Bonn
	Session 4: Materials and Components	Room Frankfurt
13.00	Lunch Break	Foyer
14.00	Session 5: Integrity Management	Room Bonn
	Session 6: Special Issues	Room Frankfurt
17.00	End of ptc 2010	

**ADVISORY COMMITTEE****Chairmen**

<b>Prof. Dr. Klaus Homann</b>	CEO, Thyssengas / President, DIN
<b>Dr. Klaus Ritter</b>	President, EITEP

**Members**

<b>Juan Arzuaga</b>	Executive Secretary, IPLOCA
<b>Torsten Bayer</b>	Managing Director Technology, ONTRAS
<b>Uwe Breig</b>	Director BU Utility Tunnelling, Herrenknecht
<b>Jens Focke</b>	Account Manager, GEOMAGIC
<b>Christian Heinz</b>	Director Pipeline Systems, ILF
<b>Mark Iden</b>	Managing Director, Diplomacy International
<b>Prof. Dr. Joachim Müller-Kirchenbauer</b>	Head of Department Gas Supply, Technical University Clausthal
<b>Reinhold Krumnack</b>	Divisional Head, DVGW
<b>Dr. Gerald Linke</b>	Director, E.ON Ruhrgas
<b>Prof. Dr. Kurt M. Reinicke</b>	Head of Department Oil and Gas Production and Gas Supply, Technical University Clausthal
<b>Dr. Werner Rott</b>	Deputy Technical Director, Nord Stream AG
<b>Dr. Kurt Schubert</b>	Director Pipelines, OMV
<b>Jens Schumann</b>	CEO, Gasunie Deutschland
<b>MuhammadAli Trabulsi</b>	General Manager Pipelines, Saudi Aramco
<b>Dr. Manfred Veenker</b>	Shareholder, Dr.-Ing. Veenker Ingenieurgesellschaft mbH
<b>Prof. Thomas Wegener</b>	Member of the Board, IRO

## WELCOME AND PLENARY SESSION: WORLD PIPELINE OUTLOOK

Monday, 19 April 2010 10.00-13.30

Room 1b

Welcome

**Dr. Klaus Ritter**, Conference Chairman, President of EITEP, Germany

Plenary Session

Moderation: **Prof. Dr. Klaus Homann**, CEO, Thyssengas / President, DIN

**The next generation of oil and gas pipelines – who, what, where and when...**

**Julian Lee**, Senior Energy Analyst, Centre for Global Energy Studies, Deputy Editor of the Global Oil Report, United Kingdom

**New Transport Routes for Oil- and Gas Export out the Caspian Area – Will this Area become crucial for the European Energy Supply?**

**Christian Heinz**, Director Pipeline Systems, ILF Consulting Engineers, Germany

**Nabucco Pipeline Project**

**Dr. Jürgen Gröner**, Asset Management, RWE Rheinland Westfalen Netz AG, Germany

11.45-12.15 Coffee Break within the exhibition

**Nord Stream: Secure gas supply for Europe**

**Dr. Werner Rott**, Deputy Technical Director, Nord Stream AG, Switzerland

**Repair Work for 24" High Pressure Gas Pipeline: The Challenges and Lessons Learnt**

**Marzuki Nodin**, Engineer (Pipeline Integrity), PETRONAS Gas Berhad, Malaysia

**Road to Success - Guidelines and Winning Practises for the Onshore Pipeline Industry**

**Juan Arzuaga**, Executive Secretary, IPLOCA, Switzerland

13.30-14.30 Lunch Break within the exhibition



## SESSION 1: PLANNING AND CONSTRUCTION

Monday, 19 April 2010, 14.30-17.30 Room Frankfurt

Moderation: **Christian Heinz**, Director Pipeline Systems, ILF Consulting Engineers, Germany

**Using Satellite InSAR in the gas and oil industry; route analyses and continuous pipeline coverage analyses**  
**Suri Bayirli**, Fugro Aerial Mapping B.V., The Netherlands

**The Innovative Direct Pipe® Method – Case Histories**  
**Diana Pfeff**, Herrenknecht, Germany

**Pipelayer Safety Operating Tips**  
**Kevin J. Klein**, Caterpillar, USA

15.45-16.15 Coffee Break within the exhibition

**Soil loads on pipelines, the Dutch approach**  
**Dr. Henk Kruse**, Deltares, The Netherlands

**Innovative Welding Technology in Pipeline Construction**  
**Ralf Prior**, PPS Pipeline Systems GmbH, Germany

**Laser GMA Hybrid girth welding technologies for transmission pipelines**  
**Prof. Dr. Steffen Keitel**, GSI mbH/SLV Halle GmbH, Germany

17.30 Get-together Party within the exhibition (with pipeline-related exhibitors from HANNOVER MESSE)

## SESSION 2: OPERATION AND MAINTENANCE

Monday, 19 April 2010, 14.30-17.30 Room München

Moderation: **Dr. Gerald Linke**, Director, E.ON Ruhrgas, Germany

**A Simulation Strategy to Ensure Pipeline Integrity**  
**Dr. Filip Van den Abeele**, ArcelorMittal R&D Industry Gent, Belgium

**Getting your pipeline in compliance with the new standards**  
**Abraham Louwerse**, ILF Consulting Engineers, Germany

**Pipeline Operation: Where Business meets Operation**  
**Joost van Loon**, Yokogawa Europe, The Netherlands

15.45-16.15 Coffee Break within the exhibition

**An advanced safety proactive method to enhance Jet Fire prevention, mitigation and control**  
**Dr. Fabio Andreolli**, Superofficina.net, Italy

**Consequences of a risk based approach for natural gas pipelines**  
**G.M.H. Laheij**, RIVM - National Institute for Public Health and the Environment, The Netherlands

**Innovation in pipeline intervention - inflatable system for linestopping operations**  
**Patrick Fuß**, IPSCO GmbH, Germany  
**Nicole Schneider**, Freudenberg Process Seals GmbH & Co. KG, Germany

17.30 Get-together Party within the exhibition (with pipeline-related exhibitors from HANNOVER MESSE)

## SESSION 3: INSPECTION AND LEAK DETECTION

Tuesday, 20 April 2010, 10.00-13.00

Room Bonn

Moderation: **Jens Focke**, Account Manager, GEOMAGIC GmbH, Germany

### Technology Update on Leak Detection Systems

**Tobias Walk**, ILF Beratende Ingenieure GmbH, Germany

### Capabilities of MFL Inspection in Duplex Steel Pipelines

**Hendrik Aue**, RTRC Germany ROSEN Technology and Research Center GmbH, Germany

### Validation of Latest Generation Emat In-Line Inspection Technology for SCC Management

**Stephan Tappert**, GE Oil & Gas, Germany

11.15-11.45 Coffee Break within the exhibition

### Ultrasonic In-Line Inspection Technology (InVista) and Fitness-For-Service Assessment (LifeQuest) for Non-Traditional Pipeline Inspection Applications

**Michael McGee**, Quest Integrity Group, USA

### Thresholds, Accuracies And Resolution: Quantitative Measurement And Its Advantages For Metal Loss Inspection

**Achim Hugger** NDT Systems & Services AG, Germany

### Validation of Latest Generation MFL In-Line Inspection Technology Leads to Improved Detection and Sizing Specification for Pinholes, Pitting, Axial Grooving and Axial Slotting

**Jürgen Ehrhardt**, GE, Oil & Gas, Germany

13.00-14.00 Lunch Break within the exhibition

## SESSION 4: MATERIALS AND COMPONENTS

Tuesday, 20 April 2010, 10.00-13.00

Room Frankfurt

Moderation: **Dr. Gerhard Knauf**, Head of Mechanical Engineering, Salzgitter Mannesmann Forschung GmbH, Germany

### Quality of PE and PP coatings and field joints for improved pipeline integrity

**Norbert Jansen**, Borealis Deutschland GmbH, Germany

### Evaluation of a self-healing visco-elastic pipeline coating for on- & offshore critical objects

**JF Doddema**, STOPAQ EUROPE B.V., The Netherlands

### Flow Improver Solutions for Pipeline Drag Reduction

**Désiré Murenzi**, ConocoPhillips Specialty Products Inc. (CSP), Belgium

11.15-11.45 Coffee Break within the exhibition

### A shared model for technology development laboratory

**Arthur Braga**, CTDUT, Brazil

### Improving safety in Oil and Gas Pipelines and Offshore project using Wireless Sensors Networks

**Ahmed J. AlGhamdi**, Saudi Aramco, Saudi Arabia

### Infrared heat for innovative pipeline production

**Ian Bartley**, Heraeus Noblelight Ltd, United Kingdom

13.00-14.00 Lunch Break within the exhibition

## SESSION 5: INTEGRITY MANAGEMENT

Tuesday, 20 April 2010, 14.00-17.00

Room Bonn

Moderation: **Dr. Manfred Veenker**, Shareholder, Dr.-Ing. Veenker Ingenieurgesellschaft mbH, Germany

**A practical example of implementing a GIS-based pipeline management system**

**Magnus Achtermann**, ONTRAS – VNG Gastransport GmbH, Germany

**Identification of Potential Savings and Rehabilitation Measures in the Application of a Pipeline Integrity Management System (PIMS)**

**Christian Veenker**, Dr.-Ing. Veenker Ingenieurgesellschaft mbH, Germany

**Centralising Operational Tasks to Assure Pipeline Integrity**

**Tobias Graßmeyer**, GEOMAGIC GmbH, Germany

15.15-15.45 Coffee Break within the exhibition

**Development of Integrity Management Strategies for Pipelines**

**Cheryl Argent**, MACAW Engineering Ltd, United Kingdom

**A new approach in pipeline monitoring based on UAVs and automated image information extraction**

**Andreas Kühnen**, Definiens AG, Germany

**In-Line-Inspection (ILI) Tool Performance Parameters for Effective Management of Pipeline Integrity**

**Tim Krüger**, Applus RTD Group, Germany

**Ricardo George**, Applus RTD Group, The Netherlands

## SESSION 6: SPECIAL ISSUES

Tuesday, 20 April 2010, 14.00-17.00

Room Frankfurt

Moderation: **Christian Heinz**, Director Pipeline Systems, ILF Consulting Engineers, Germany

**New Ways in Research and Education: Clausthal University of Technology joins industry in field trials to increase the recovery of old oil fields**

**Prof. Dr. Kurt M. Reinicke**, Technical University Clausthal, Germany

**CCS – Climate Protection Measure**

**Dr. Tobias Wendt**, E.ON Ruhrgas AG, Germany

**Fracture Control Strategy for the Conversion of Oil and Gas Pipelines to Transport CO<sub>2</sub>**

**Patrick Rabindran**, Wood Group Integrity Management Ltd, United Kingdom

15.15-15.45 Coffee Break within the exhibition

**The world's first floating Offshore LNG terminal - the offshore LNG Toscana project**

**Dr. Stefan Bürkle**, E.ON Ruhrgas AG, Germany

**Solutions for the safe transport of Liquefied Natural Gas**

**David Fröhlich**, FERNWÄRME-TECHNIK GmbH, Germany

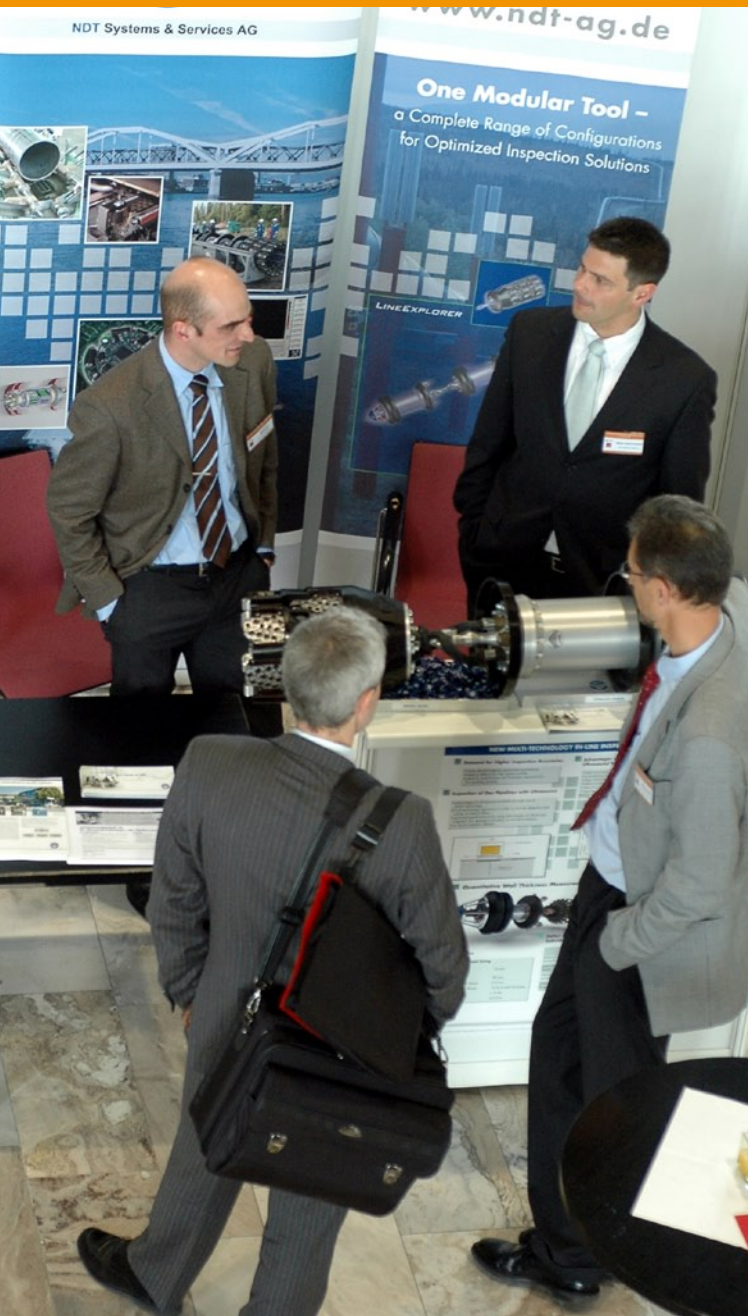
**Thorsten M. Karow**, FERNWÄRME-TECHNIK GmbH, Germany

**Land management during East-German OPAL new construction by web-based right-of-way support**

**Maria Isabel Arbelaez**, Wingas GmbH, Germany

**Jens Focke**, GEOMAGIC GmbH, Germany

# ACCOMPANYING EXHIBITION



## COMPANY PACKAGES

The Pipeline Technology Conference brings together decision makers from all over the world.

For promoting your services and products to the pipeline industry, this conference is an excellent opportunity to develop potential customers.

Therefore an Accompanying Exhibition is taking place directly within the conference catering area during the Pipeline Technology Conference. Exhibitors can benefit from this meeting-place as they are right in the middle of it. In addition the booths are standardized, which means that each booth is presented equally good.

We provide a limited number of company packages with an equipped booth and additional marketing measures:

- 6 m<sup>2</sup> Standard Booth within Conference / Catering Area (5 1-meter walls, 1 Table, 2 Chairs, Power Supply)
- 1/4 Page Advertisement within Proceedings
- 3 free-of-charge Conference Registrations
- Logo + Link + Profile on Conference Website
- Logo + Company Name in Program & Proceedings

Due to limited exhibition space it is advisable to book at an early stage (first come, first serve).

For more information please visit:

[www.ptc2010.com](http://www.ptc2010.com)



## EXHIBITORS

see [www.ptc2010.com/exhibitors](http://www.ptc2010.com/exhibitors) for details



### CTDUT - Pipeline Technology Center

CTDUT - Pipeline Technology Center offers full scale testing facilities for re-search, test, training and is available for use by the pipeline industry.



### Euroflansch GmbH

Flanges and fittings for wholesalers and large consumers - worldwide



### GEOMAGIC GmbH

IT Solutions for Pipeline Operators - Data Management, Integrity and Asset Management - Mobile Solutions - GIS based Solutions - Consulting, Services and Training



### IPSCO GmbH

Hot-Tapping • Linestopping • Interventions without shutdown • Asset Integrity Management • Repair-Claps • Engineering • Services-on-site



### ILF Consulting Engineers

Oil & gas: Production facilities, pipeline systems, storages facilities  
Energy: Thermal power & sea water desalination, renewables



### Keymay International Inc.

Keymay International Inc holds the Turn Key solution for all pipeline buoyancy control situations. Call us when you need your "PIPE DOWN".



### NDT Systems & Services AG

Pipeline Inspection Services • Integrity Assessment • Data Visualization Software • Pipeline Management Software



### Quest Integrity Group

Quest Integrity Group provides highly accurate, technology-enabled inspection and assessment solutions for the process, pipeline and power industries.



### ROPLAST GmbH

Pipeline Cleaning Tools and Accessories - Intelligent Pipe Caps - RoCoat Interior Pipe Coating - High Performance Elastomers - Sensor Technology - Intelligent Plastic Solutions



### STOPAQ

STOPAQ supplies a wide range of green visco-elastic solution to protect assets from corrosion and water ingress.



### Yokogawa Europe B.V.

Main Automation Contractor and (Consultancy) Service supplier for Pipeline Automation, Integrity Management, Monitoring & Control, Safety, IT Networking & Security and Measurement.

## GOLDEN SPONSOR



Nord Stream is a natural gas pipeline that will link Russia and the European Union through the Baltic Sea. The European Union's annual natural gas imports in the year 2007 were approximately 312 billion cubic metres (bcm) and are projected to increase to 516 bcm by the year 2030. This means that by 2030, the EU's annual import needs will have increased by about 200 bcm (Source: IEA, World Energy Outlook, 2009). Nord Stream will meet about 25 percent of this additional gas import requirement by connecting the European gas pipeline network to some of the world's largest gas reserves. The project will be an important contribution to long-term security of supply and a milestone of the energy partnership between the European Union and Russia.

Nord Stream AG plans to have the first of two parallel pipelines operational in 2011. Each line is approximately 1,220 kilometres long, providing a transport capacity of some 27.5 bcm per year. Full capacity of about 55 bcm per year will be reached in the second phase, when the second line goes on stream. This is enough to supply more than 26 million European households.

Nord Stream AG is an international joint venture established for the planning, construction and subsequent operation of the new offshore gas pipeline across the Baltic Sea. Russian OAO Gazprom holds a 51 per cent stake in the joint venture. The German companies BASF/Wintershall Holding AG and E.ON Ruhrgas AG hold 20 per cent each, and the Dutch gas infrastructure company N.V. Nederlandse Gasunie has a 9 per cent stake.

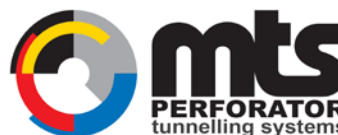
[www.nord-stream.com/en](http://www.nord-stream.com/en)

## SILVER SPONSORS



Herrenknecht AG located in Germany is a technology and market leader in mechanized tunnelling. As the only company worldwide, Herrenknecht delivers cutting-edge tunnel boring machines for all ground conditions and with all diameters - ranging from 0.10 to 19 meters. The Herrenknecht product range includes tailor-made machines for traffic and transport tunnels (Traffic Tunnelling) and supply and disposal tunnels (Utility Tunnelling). The company also provides state-of-the-art deep drilling rigs, to bore to a depth of 6,000 meters (Herrenknecht Vertical). The most recent subsidiary (Bohrtec Vertical) supplies small drilling devices for the use of shallow geothermal energy.

[www.herrenknecht.com](http://www.herrenknecht.com)



mts PERFORATOR, situated in Germany, in the center of Europe, an experienced team of engineers and technicians designs, manufactures and maintains innovative tunnel boring machines. We are following up on a more than 100 years old tradition of the Schmidt, Kranz Group which started building mining and tunnelling systems in the 19th century. mts systems operate successfully both in the summer heat of the Middle East and in the cold of the Russian winter. The flexible ground conveyance systems guarantee good penetration rates in sand as well as in hard rock. You define the project, we provide you with the appropriate solution for it. As there is no "standard" ground, you will not receive a "standard" machine from us, but one that perfectly suits your requirements.

[www.mts-p.de](http://www.mts-p.de)

## SUPPORTERS



**DGMK**  
Deutsche Wissenschaftliche Gesellschaft für Erdöl, Erdgas und Kohle (German Society for Petroleum and Coal Science and Technology)



**DVGW**  
Deutsche Vereinigung des Gas- und Wasserfaches - Technisch-wissenschaftlicher Verein (German Technical and Scientific Association for Gas and Water)



**EPRG**  
European Pipeline Research Group



**IPLOCA**  
International Pipeline & Offshore Contractors Association



**MWV**  
Mineralölwirtschaftsverband (Association of the German Petroleum Industry)



**RBV**  
Rohrleitungsbauverband (Pipeline Construction Association)

## MEDIA PARTNERS



**3R International**



**bbr Fachmagazin für Brunnen- und Leitungsbau**



**DVGW energie | wasser-praxis**



**NoDig Construction**



**Oil & Gas European Magazine**



**Oil Offshore Marine**



**Pipeline & Gas Journal**



**Pipelines International**



**World Pipelines**



## ORGANISERS



### EITEP

The Euro Institute for Information and Technology Transfer in Environmental Protection, EITEP, was originally founded by the German technical and scientific associations on energy and water to assist them and their members in their international activities. EITEP works in close cooperation with the relevant German associations, universities and authorities and makes use of their competences.

By means of this network in Germany and with international partner associations in Central and Eastern Europe, China, Southeast Asia, Africa and the Middle East, EITEP assists companies in the energy, water and environment sector in entering and developing foreign markets.



### Deutsche Messe

Achieving annual revenues of over EUR 250 million, around 790 employees, 60 agencies abroad and an exhibition center with a superb infrastructure totaling over 1 million square meters of space, Deutsche Messe - based in Hannover, Germany - is the world's foremost trade fair company.

Deutsche Messe develops, plans and runs trade fairs and exhibitions in Germany and abroad.

It has extensive expertise and experience in planning and executing around 50 trade fairs and exhibitions every year, involving 21,000 exhibitors, 1.79 million visitors and 16,000 journalists from over 100 different countries.

## Post Conference Seminar: UNDERGROUND GAS STORAGE

Today, the main areas of natural gas consumption are the industrialized and emerging countries. In order to meet the increasing demand of this environmental friendly fossil fuel there is going to be a shift from nearby located gas supply sources to supply areas in large distances connected by pipelines or LNG-tankers. Substantial investments are required to enable this transportation.

The consumers have to install more and more underground gas storages (UGS) in order to balance supply and demand economically and to increase the security of gas supply. Conditions for underground gas storages in Germany are very good. This is why Germany has the highest number of storages in Europe and great experiences in construction, operation and maintenance.

In a one-day seminar experts from leading companies give a comprehensive insight into the state of technology and discuss with you problems and experiences.

### Topics:

1. Introduction: Fundamentals of UGS <ul style="list-style-type: none"> <li>Objectives / Economical aspects</li> </ul>
2. Storage Technology (existing technologies and improvements/trends) <ul style="list-style-type: none"> <li>Subsurface Facilities and Processes of UGS</li> <li>Cavern Storage</li> <li>Depleted Gas Field Storages and Aquifer Storages</li> <li>Surface Facilities and Injection/Withdrawal Processes</li> </ul>
3. Operation of UGS <ul style="list-style-type: none"> <li>Feed in / Withdrawal / Monitoring</li> </ul>

Date: 21.04.2010

Duration: 10.00-17.00

For more information please visit [www.ptc2010.com/ugs](http://www.ptc2010.com/ugs) or contact

Ms. Vivian Harberts, Tel.: +49 511 90992-17,

E-mail: [harberts@eitep.de](mailto:harberts@eitep.de)

## Post Conference Seminar: TECHNICAL SAFETY MANAGEMENT (TSM) FOR GAS SUPPLY COMPANIES

The length of the piping system in Germany has grown from about 200,000 km in 1980 to 500,000 km in 2007. At the same time the number of accidents has been reduced from 100 accidents to 30 accidents. Reason for this is a systematically accident avoidance strategy of the gas supply companies. The main focus of this strategy is the TSM of the DVGW.

This seminar is informing the participants about basics and contents of the TSM. Speakers come from the DVGW and gas supply companies.

### Topics:

1. Legal demands and technical standards
2. Goals of TSM <ul style="list-style-type: none"> <li>Reducing deficits in the organizational pattern</li> <li>Removing weak spots</li> </ul>
3. Requirements on organizational structure <ul style="list-style-type: none"> <li>Technical and disciplinary</li> <li>Determinate functions</li> <li>No competence overlaps</li> </ul>
4. Requirements on technical manager <ul style="list-style-type: none"> <li>Responsibility</li> <li>Specialized and decisive competence</li> </ul>
5. Process organisation <ul style="list-style-type: none"> <li>coordination</li> <li>transparency</li> <li>actualization</li> </ul>
6. Certification

Date: 21.04.2010

Duration: 10.00-17.00

For more information please visit [www.ptc2010.com/tsm](http://www.ptc2010.com/tsm) or contact

Mr. Dennis Fandrich, Tel.: +49 511 90992-22,

E-mail: [fandrich@eitep.de](mailto:fandrich@eitep.de)



## VENUE

The Pipeline Technology Conference is part of the HANNOVER MESSE exhibition (see [www.hannovermesse.de](http://www.hannovermesse.de) for details).

Address: Deutsche Messe AG, Convention Center, Messengelände, 30521 Hannover, Germany

See [www.ptc2010.com/travel-information](http://www.ptc2010.com/travel-information) for information on how to get there.

## CONFERENCE LANGUAGE

English

## ACCOMMODATION

Due to the fact that the Pipeline Technology Conference is part of the huge HANNOVER MESSE trade show with some 6,000 exhibitors and more than 200,000 visitors each year, it is highly recommended to book hotel rooms at an early stage. We do recommend the following travel agent with reference to Pipeline Technology Conference:

Hannover Marketing & Tourismus GmbH  
Prinzenstraße 6  
30159 Hannover  
Germany  
Phone: +49 511 12345-555  
Fax: +49 511 12345-556

A special hotel reservation form is available at [www.ptc2010.com/travel-information](http://www.ptc2010.com/travel-information)

## VISA APPLICATION

Participants that need a visa for Germany could use the visa application service of HANNOVER MESSE.

See [www.ptc2010.com/travel-information](http://www.ptc2010.com/travel-information) for details.

## PARTICIPATION FEE

420.00 EUR plus VAT

Group packages on request.

Participation fee includes proceedings, lunch, beverages, snacks, invitation for Get-together, day tickets for HANNOVER MESSE.

For registration, please complete and return the conference registration form at [www.ptc2010.com/registration](http://www.ptc2010.com/registration).

## LEGEND

tbc : to be confirmed

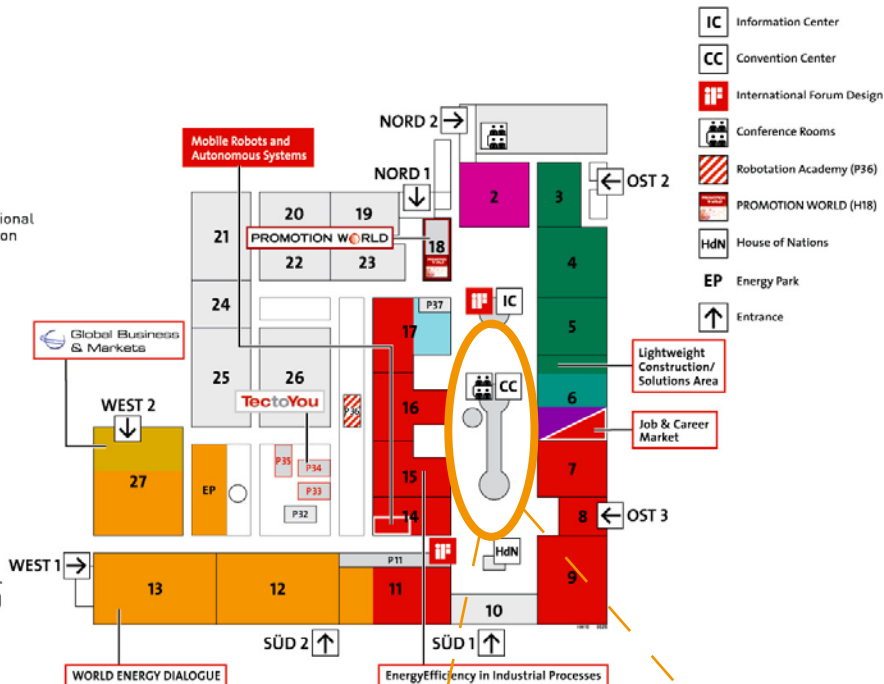
## UPDATES

Please visit [www.ptc2010.com](http://www.ptc2010.com) for latest updates to the conference program and the accompanying exhibition.



# HANNOVER MESSE

- **Industrial Automation**
- **Factory Automation**  
Leading Trade Fair for Factory Automation (Halls 8, 9, 11, 14-17)
- **Process Automation**  
Leading Trade Fair for Process Automation (Halls 7-9, 11)
- **Energy**
- **Energy**  
Leading Trade Fair for Renewable and Conventional Power Generation, Transmission and Distribution (Halls 27, 11-13)
- **Power Plant Technology**  
Leading Trade Fair for Power Plant Design, Systems, Operation and Maintenance (Hall 13)
- **MobiliTec**  
International Trade Fair for Hybrid and Electric Powertrain Technologies, Mobile Energy Storage and Alternative Mobility Solutions (Hall 27)
- **Digital Factory**  
Leading Trade Fair for Integrated Processes and IT (Hall 17)
- **Industrial Supply**  
Leading Trade Fair for Subcontracting and Lightweight Construction (Halls 3-6)
- **CoilTechnica**  
International Trade Fair for Coil Winding, Transformer and Electric Motor Manufacturing Technology (Hall 6)
- **MicroNanoTec**  
Leading Trade Fair for Microtechnology, Nanotechnology and Laser Micro-Materials Processing (Hall 6)
- **Research & Technology**  
Innovations Market for R&D (Hall 2)



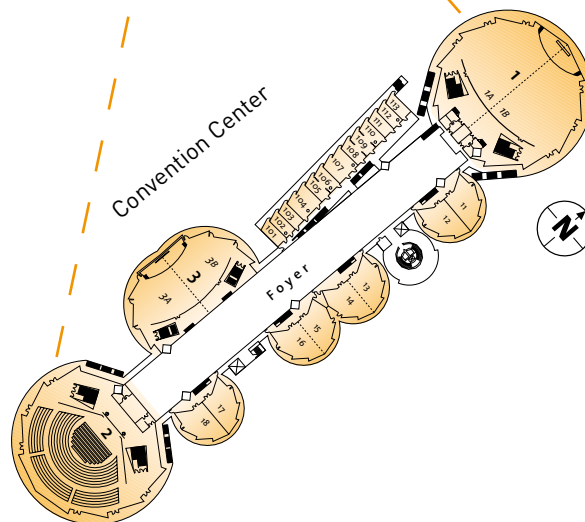
Deutsche Messe  
Hannover - Germany

# PIPELINE TECHNOLOGY CONFERENCE

- Registration, Catering,
- Exhibition, Get-together
- Plenary Session
- Session 1
- Session 2
- Session 3
- Session 4
- Session 5
- Session 6

- Foyer
- Room 1b
- Room Frankfurt GF\*
- Room München GF\*
- Room Bonn GF\*
- Room Frankfurt GF\*
- Room Bonn GF\*
- Room Frankfurt GF\*

\*GF = Ground Floor (not in map)







# 5<sup>th</sup> Pipeline Technology Conference 2010

19-20 April 2010

Registration Form

via Fax: +49 (0)511 90992-69

## Participant

Company \_\_\_\_\_

Title / First Name / Last Name \_\_\_\_\_

Position \_\_\_\_\_

Address \_\_\_\_\_

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<p><b>Participation Fee</b> <u>420.00 EUR plus VAT</u></p> <p>Group packages on request.</p> <p>Participation fee includes proceedings, lunch, beverages, snacks, invitation for Get-together, day tickets for HANNOVER MESSE</p> <p><b>Venue</b> HANNOVER MESSE, Convention Center Hannover, Germany</p>	<p><b>Conference Language</b> English</p> <p><b>Entry Conditions</b> Registration is not considered confirmed until payment is received in full. Registrations can be cancelled (in writing only) free of charge up to 6 weeks before the event. In case of later cancellation or failure to attend the entire attendance fee will be payable. The registered delegate may of course send a substitute at no additional cost. The organisers reserve the right to amend the program of events if necessary.</p>
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### Conference Contact

EITEP, Am Listholze 82, D-30177 Hannover, Germany  
Mr. Dennis Fandrich Tel. +49 (0)511 90992-22, Fax +49 (0)511 90992-69, E-Mail: fandrich@eitep.de

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