

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

Conference

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**Accompanying Exhibition
and Marketplace**

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Conference Program

Pipeline Technology Conference 2009



Sponsor



Special Support



Hannover, Germany
22-23 April 2009

www.ptc2009.com



WELCOME TO THE 4TH PIPELINE TECHNOLOGY CONFERENCE

On behalf of the members of the Advisory Committee I am pleased to invite you to the 4th Pipeline Technology Conference (PTC) which is taking place again at the HANNOVER MESSE, the world's largest international technology event.

The economic success of pipeline projects is highly dependent on the operational availability and life expectancy of the whole system. Pipeline planning, construction, materials and components are as important as outside influences as well as a sustainable operation and maintenance program.

In this context, the PTC provides a platform where experts the world over come together to discuss their experiences and to offer solutions to any problems. In addition to the technical conference sessions the conference provides, for the first time, an exhibition and marketplace dedicated to petroleum engineering students looking for internships or job opportunities.

Dr. Klaus Ritter
Pipeline Technology Conference Chairman
President of EITEP

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WEDNESDAY, 22 APRIL 2009

09.30	Registration	Foyer
10.00	Welcome	Room 2
10.15	Plenary Session 1 "World Pipeline Outlook"	Room 2
13.00	Lunch Break	Foyer
14.00	Plenary Session 2 "Asia/Africa-Europe Pipeline Forum"	Room 2
17.00	Get-together party with pipeline-related exhibitors from HANNOVER MESSE	Foyer

THURSDAY, 23 APRIL 2009

10.00	Workshop 1.1 "Onshore Pipeline Planning and Construction"	Room 16
	Workshop 2.1 "Pipeline Integrity I"	Room 17
	Workshop 3.1 "Technical Regulations and Standards - DVGW"	Room 18
13.00	Lunch Break	Foyer
14.00	Workshop 1.2 "Offshore Pipeline Planning and Construction"	Room 16
	Workshop 2.2 "Pipeline Integrity II"	Room 17
	Workshop 3.2 "Pipeline Materials and Components"	Room 18
17.00	End of PTC 2009	

ADVISORY COMMITTEE**CHAIRMEN**

Prof. Dr. Klaus Homann	CEO, RWE Transportnetz Gas / Vice President Gas, DVGW
Dr. Klaus Ritter	President, EITEP

MEMBERS

Juan Arzuaga	Executive Secretary, IPLOCA
Jens Focke	ThreatScan Tech Sales Leader Europe, GE Oil&Gas - PII Pipeline Solutions
Christian Heinz	Director Pipeline Systems, ILF
Dr. Gerhard Holtmeier	Member of the Board, VNG
Mark Iden	Managing Director, Diplomacy International
Reinhold Krumnack	Divisional Head, DVGW
Prof. Dr. H. J. Kümpel	President, BGR
Dr. Gerald Linke	Director, E.ON Ruhrgas
Prof. Dr. Kurt M. Reinicke	Head of Department Oil and Gas Production and Gas Supply, TU Clausthal
Dr. Werner Rott	Deputy Technical Director, Nord Stream AG
Dr. Kurt Schubert	Director Pipelines, OMV
Jens Schumann	CEO, Gasunie Deutschland
Werner Suhm	CEO, Herrenknecht
Arve Thorvik	Vice President EU Affairs, StatoilHydro EU Affairs Office (retired)
MuhammadAli Trabulsi	General Manager Pipelines, Saudi Aramco
Prof. Thomas Wegener	Member of the Board, IRO

WELCOME AND PLENARY SESSION 1: WORLD PIPELINE OUTLOOK

Wednesday, 22 April 2009, 10.00-13.00

Room 2

Welcome

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

Dr. Philipp Rösler, Minister for Economics, Labour and Transport of Niedersachsen, Germany (tbc)

Moderation: **Prof. Dr. Klaus Homann**, CEO, RWE Transportnetz Gas GmbH, Germany

The European Energy Policy Framework and its Present and Future Impact on the Security of Energy Supply
Prof. Dr. Christian von Hirschhausen, Chair of Energy Economics, TU Dresden, Germany (tbc)

European Gas Demand from Eastern Sources in the View of the Recent Supply Crisis
Prof. Dr. Klaus Homann, CEO, RWE Transportnetz Gas GmbH, Germany

Coffee Break

The Booming Chinese Gas Market - Present and Future Supply Corridors
Mr. Jiang Runyu, Senior Researcher, NDRC - National Development and Reform Commission, China

Peak Oil - Is Natural Gas Capable of Filling the Gap?
Prof. Dr. Hans-Joachim Kümpel, President, Federal Institute for Geosciences and Natural Resources (BGR), Germany

CO₂ Infrastructure in Germany
Mr. Klaus-Dieter Barbknecht, Member of the Board, Gas Procurement, VNG - Verbundnetz Gas AG, Germany

PLENARY SESSION 2: ASIA/AFRICA- EUROPE PIPELINE FORUM

Wednesday, 22 April 2009, 14.00-17.00

Room 2

Moderation: **Dr. Gerhard Holtmeier**, VNG - Verbundnetz Gas AG, Germany (tbc)

Innovations – Chances for Improving the Efficiency of Operation and Maintenance
Dr. Gerald Linke, E.ON Ruhrgas AG, Germany

Present State of Pipelines in Middle East, Challenges and Future Demands
Mrs. Lubna Salah, MESTEE, Jordan

Pipeline Integrity Management of the Saudi Aramco Pipeline Network: Problems and Solutions
Mr. MuhammadAli Trabuhsi, Saudi Aramco, Saudi Arabia (tbc)

Coffee Break

Development and Customisation of Integrated Pipeline Integrity Management System
Mr. Mohd Nazmi, PETRONAS Gas Berhad, Malaysia

Inherent Risk of Transit Pipelines
Mr. Ralf G. Schwimbeck, MEI, LLC, USA

Human Resource Development: From Success to Progress
Mr. D. V. Shastry, GAIL Training Institute, India
Mr. Ayush Gupta, GAIL Training Institute, India

17.00

Get-together party with pipeline-related exhibitors from HANNOVER MESSE

WORKSHOP 1.1: ONSHORE PIPELINE PLANNING AND CONSTRUCTION

Thursday, 23 April 2009, 10.00-13.00

Room 16

Moderation: **Mr. Walter Zimmermann**, former IPLOCA President, Germany

State of the Art in Construction Equipment Technology - Latest Improvements and their Impact on Job Site Efficiency and Safety

Mr. Marco Jannuzzi, Caterpillar SARL, Switzerland

Mr. Gerry Grothe, Pipeline Machinery International VOF, The Netherlands

Corridor Survey of Both Existing and New to be Built Pipelines on Land Using LiDAR Scanning

Mr. Suri Bayirli, Fugro Aerial Mapping B.V., The Netherlands

The Trenchless Technique Horizontal Directional Drilling, Soil Related Risks and Risk Mitigation

Dr. Henk Kruse, Deltares, The Netherlands

Coffee Break

The Herrenknecht Pipe Thruster – Key Innovation in Pipeline Construction

Dr. Marc Peters, Herrenknecht AG, Germany

The Application of the Ramming Technique in Pipeline Construction

Dr. Hans-Joachim Bayer, Tracto-Technik GmbH & Co KG, United Kingdom

Comparison of Pressure Transfer Rings for Jacking Pipes

Prof. Dr. Markus Thewes, Ruhr-Universität Bochum, Germany

WORKSHOP 1.2: OFFSHORE PIPELINE PLANNING AND CONSTRUCTION

Thursday, 23 April 2009, 14.00-17.00

Room 16

Moderation: **Mr. André Steenhuis**, Allseas Engineering bv, The Netherlands

The Nord Stream Project - Logistics Challenge Baltic Sea

Mr. Ludwig von Müller, Nord Stream AG, Switzerland

Marine Survey in the Adriatic Sea to Verify Offshore Route for the Trans Adriatic Pipeline

Mr. Arve Thorvik, TAP - Trans Adriatic Pipeline AG, Switzerland

The investigation of High Frequency Induction (HFI) Welded Pipe Installed by the Reeling Method for Subsea Application

Mr. Alan Mac Leay, Subsea 7, United Kingdom

Coffee Break

Offshore “O-lay” Pipe Laying

Mr. Jan Buijvoets, Buijvoets Trading International, The Netherlands

Managing and Sustaining Sub Sea Pipeline Integrity Risk Against Uncertainties Force of Nature

Mr. Muhammad Ashri, Petronas, Malaysia

Reliance Dhirubhai Project

Mr. Tjomme van Norden, Allseas Engineering bv, The Netherlands

WORKSHOP 2.1: PIPELINE INTEGRITY I

Thursday, 23 April 2009, 10.00-13.00

Room 17

Moderation: **Dr. Gerald Linke**, E.ON Ruhrgas, Germany (tbc)

A Comprehensive View on Information Management during the Life Cycle of Pipeline Assets

Mr. Marcus Scheiber, ms.GIS, Austria

Monitoring Strategies for Leak, Impact and Threat-Detection

Mr. Jens Focke, GE Oil&Gas PII Pipeline Solutions, Germany

Preparedness to Handle Emergency in City Gas Distribution Networks

Mr. Ayush Gupta, GAIL (India) Ltd., India

Coffee Break

Pipeline Integrity Monitoring: Developments in Non-Intrusive flow-through devices

Mr. Daniel Clarke, Teledyne Cormon Ltd, United Kingdom

Pipeline Assurance Using Radioisotope Applications to go from Installation over Inspection to Overhauling

Mr. Stephan von Olearius, Tracerco Alfa Aesar GmbH & Co KG, Germany

Integrity Management for Pipelines Transporting Hydrogen – Natural Gas Mixtures

Mr. Gert Müller-Syring, DBI Gas- und Umwelttechnik GmbH, Germany

WORKSHOP 2.2: PIPELINE INTEGRITY II

Thursday, 23 April 2009, 14.00-17.00

Room 17

Moderation: **Mr. Karl Gaßner**, TAL - Transalpine Ölleitung GmbH, Germany

In-Line Inspection Using Combined Technologies – Magnetic Flux Leakage and Ultrasonic Testing and their Advantages

Mr. Thomas Beuker, ROSEN Europe B.V., The Netherlands

A New In-Line Inspection Tool for the Quantitative Wall Thickness Measurement of Gas Pipelines: First Results

Dr. Michael Beller, NDT Systems & Services AG, Germany

A New MFL Tool for Non-piggable Pipelines

Mr. Peter van Beugen, Pipesurvey International, The Netherlands

Coffee Break

Longterm Partnership in ILI Services - Experiences, Benefits, Results

Mr. Jürgen Ehrhardt, GE Oil&Gas PII Pipeline Solutions, Germany

Ultrasonic Phased Array Crack Detection Accuracy Update

Mr. David Allen, GE Oil&Gas PII Pipeline Solutions, United Kingdom

Condition Assessment of Metallic Water Mains by Internal Pipe Inspection

Mr. Ernst Kloosterman, Breivoll Inspection Technologies, Norway

WORKSHOP 3.1: TECHNICAL REGULATIONS AND STANDARDS - DVGW

Thursday, 23 April 2009, 10.00-13.00

Room 18

Moderation: **Prof. Dr. Klaus Homann**, RWE Transportnetz Gas / DVGW, Germany

The DVGW Technical Standards Gas in the German Legal Framework and European Directives

Mr. Detlef Jagodzinski, DVGW, Germany

Approval Procedures and Technical Rules for Pipelines in Germany

Mr. Christian Engel, TÜV NORD Systems GmbH & Co. KG, Germany

Impact of Technical Standards on Results of Defect Assessment

Mr. Wolfgang Schmidt, TÜV Rheinland Industrie Service GmbH, Germany

Coffee Break

Maintenance of High Pressure Pipeline-Systems - Regulatory Frameworks and Co-operation with Service Companies

Mr. Jörg Salomon, VNG - Verbundnetz Gas AG, Germany

The Standard DIN EN ISO 16708 in Germany: Is the Probabilistic Approach Mandatory for High-pressure Pipes?

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

Applicable Norms and Required Improvements for CO₂ Pipelines

Mr. Christian Heinz, ILF Consulting Engineers, Germany

WORKSHOP 3.2: PIPELINE MATERIALS AND COMPONENTS

Thursday, 23 April 2009, 14.00-17.00

Room 18

Moderation: **Mr. Christian Heinz**, ILF Consulting Engineers, Germany (tbc)

Materials Design, Selection and Failure of Monolithic Isolating Joints in High Temperature and Pressure Discharge Lines

Mr. Jorge Araujo Osorio, Instituto Politécnico Nacional, Mexico

Designing a Method for Selecting the Most Appropriate External Pipeline Protective Coating

Mr. Ali Reza Moeini, Research Institute of Petroleum Industry, Iran

Validation Testing of Composite Repair Systems for Pipes and Pipelines

Mr. Roger Walker, Citadel Technologies, USA

Coffee Break

Heavy Crude Oil Transfer Using Twin-Screw Pumps – Applications in Sudan and South America

Mr. Dietrich Müller-Link, Joh. Heinr. Bornemann GmbH, Germany

BERG-LAY® : A New Production Method for CRA Lined Steel Pipe Based on Sheet Metal

Dr. Ulrich Schnaut, Bergrohr GmbH Siegen, Germany

Hard is Not Always Tough Enough - Challenges of Pipeline Corrosion Prevention

Dr. E. Czech, BASF AG, Germany

NEW: MARKETPLACE “ENGINEER IN THE OIL & GAS INDUSTRY”



Meet your prospective staff at the Pipeline Technology Conference!

For the first time the international conference provides the Career-Market “Engineer in the Oil & Gas Industry”, which takes place in the midst of the accompanying exhibition.

The marketplace brings together pipeline-related companies with students and recent graduates from technical universities in matchmaking discussions. All Pipeline Technology Conference participants and exhibitors are welcome to join the engineer-platform.

Prior to the conference interested companies can publish advertisements for jobs, internships or degree dissertations at the Pipeline Technology Conference website. EITEP will transfer these information to universities and will organize matchmaking discussions with students during the two days.

Students are expected to come from:

- TU Clausthal
- Fachhochschule Oldenburg
- European Technical Universities
- Universities of Applied Sciences
- ...

ACCOMPANYING EXHIBITION

The conference provides a limited set of presentation packages (see www.ptc2009.com for further details).

(status as of: 2 March 2009)



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SPONSOR



VNG - Verbundnetz Gas AG

In a nutshell, the VNG Group is a natural gas wholesaler and energy services provider. It serves utilities, regional suppliers and industrial operations as well as logistics partners working for natural gas retailers and transportation companies.

VNG's core activities comprise the buying and selling, transmission and storage of natural gas. In addition, it also provides clients with a broad range of services, including marketing, cooperation activities and consulting, in order to optimise their business processes and ensure their gas facilities work safely and reliably.

Although rooted in eastern Germany, VNG uses opportunities throughout the country. It also harvests the potential harboured by the markets in Central, Eastern and South-Eastern Europe.

www.vng.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



Global Pipeline Monthly



NoDig Construction



Oil & Gas European Magazine



PetroMin Pipeliner



Pipeline & Gas Journal



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.



VENUE

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

Address: Convention Center, Messegelände, 30521 Hannover, Germany

See www.ptc2009.com for information on how to get there.

CONFERENCE LANGUAGE

English with simultaneous translation in German on the first conference day.

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:

Travel2Fairs GmbH
Tel. + 49 511 33644-000
Fax + 49 511 33644-050
E-Mail: info@travel2fairs.com
www.travel2fairs.com

Participants will receive a special hotel reservation form upon registration.

Nord Stream
A New Dimension of European Security of Supply

Pipeline Technology Conference 2007

10-11 October 2007, Hannover Messe 2007, Hannover, Germany



VISA APPLICATION

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

See www.ptc2009.com for details.

PARTICIPATION FEE

390.00 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.ptc2009.com.

LEGEND

tbc : to be confirmed

UPDATES

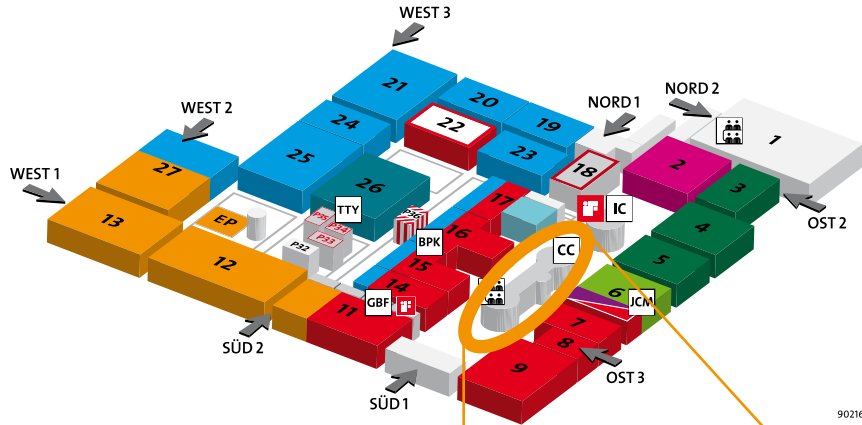
Please visit www.ptc2009.com for latest updates to the conference program, the accompanying exhibition and the marketplace "Engineer in the Oil & Gas Industry".

HANNOVER MESSE

- **Industrial Automation**
 - **INTERKAMA – The World of Process Automation**
 - **Factory Automation**
 - **Industrial Building Automation**
- **MDA – Motion, Drive & Automation**
- **Energy**
 - **Energy**
 - **Power Plant Technology**
 - **Wind**
- **Digital Factory**
- **Subcontracting**
- **ComVac**
- **SurfaceTechnology**
- **MicroTechnology**
- **Research & Technology**

February 2009 · Modifications reserved

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|---|--|---|
| IC Information Center | IFD International Forum Design | RA Robotation Academy (P36) |
| CC Convention Center | TTY TectoYou | PW PROMOTION WORLD (H18) |
| CR Conference Rooms | GBF Global Business Forum | E Entrance |
| JCM Job & Career Market | BPK National Central Booth Partner Country Korea | EP Energy Park |

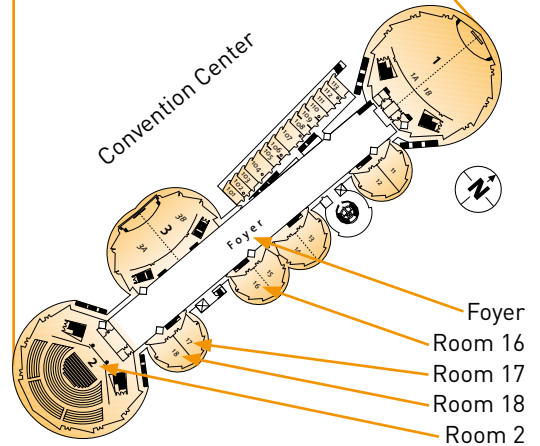


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PIPELINE TECHNOLOGY CONFERENCE

- Registration, Catering, Exhibition, Marketplace, Get-together
- Plenary Sessions
- Workshops 1.1 and 1.2
- Workshops 2.1 and 2.2
- Workshops 3.1 and 3.2

- Foyer
- Room 2
- Room 16
- Room 17
- Room 18





4th Pipeline Technology Conference 2009

22-23 April 2009



Registration Form

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

Participant

Company _____

Title / First Name / Last Name _____

Position _____

Address _____

Postcode / City _____

Country _____

Tel _____ Fax _____

E-Mail _____

- Please send me further information on the Accompanying Exhibition.
- Please send me further information on the Marketplace "Engineer in the Oil & Gas Industry".

Payment method

- By bank transfer after receipt of invoice
- By credit card
 - Visa Mastercard America Express

Card number _____ Expires

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Name of card holder _____ Card security code

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Date, Signature _____

<p>Participation Fee 390.00 EUR plus VAT</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>Venue HANNOVER MESSE, Convention Center Hannover, Germany</p>	<p>Conference Language English with simultaneous translation in German on the first conference day.</p> <p>Entry Conditions Registration is not considered confirmed until payment is received in full. Registrations can be cancelled (in writing only) free of charge up to 4 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

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For latest updates see: www.ptc2009.com