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

#### Conference

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

## Accompanying Exhibition and Marketplace Ms. Alissa Ritter

Tel. +49 511 90992-20 E-Mail: a.ritter@eitep.de



### Pipeline Technology Conference 2009



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Special Support



Hannover, Germany 22-23 April 2009





## WELCOME TO THE 4<sup>TH</sup> 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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TIME TABLE ADVISORY COMMITTEE

WEDNESDAY, 22 APRIL 2009			ADVISORY COMMITTEE			
09.30	Registration	Foyer	CHAIRMEN			
10.00	Welcome	Room 2	Prof. Dr. Klaus Homann	CEO, RWE Transportnetz Gas / Vice President Gas, DVGW		
10.15	Plenary Session 1 "World Pipeline Outlook"	Room 2	Dr. Klaus Ritter	President, EITEP		
10.00	Lunch Break	Foyer	MEMBERS			
13.00			Juan Arzuaga	Executive Secretary, IPLOCA		
14.00	Plenary Session 2 "Asia/Africa- Europe Pipeline Forum"	Room 2	Jens Focke	ThreatScan Tech Sales Leader Europe, GE Oil&Gas - PII Pipeline Solutions		
17.00	Get-together party with pipeline- related exhibitors from HANNO- VER MESSE	Foyer	Christian Heinz	Director Pipeline Systems, ILF		
			Dr. Gerhard Holtmeier	Member of the Board, VNG		
			Mark Iden	Managing Director, Diplo- macy International		
THURSDAY, 23 APRIL 2009			Reinhold Krumnack	Divisional Head, DVGW		
10.00	Workshop 1.1 "Onshore Pipeline Planning and Construction"	Room 16	Prof. Dr. H. J. Kümpel	President, BGR		
			Dr. Gerald Linke	Director, E.ON Ruhrgas		
	Workshop 2.1 "Pipeline Integrity I"	Room 17	Prof. Dr. Kurt M. Reinicke	Head of Department Oil and Gas Production and Gas Supply, TU Clausthal		
	Workshop 3.1 "Technical Regulations and Standards - DVGW"	Room 18	Dr. Werner Rott	Deputy Technical Director, Nord Stream AG		
13.00	Lunch Break	Foyer	Dr. Kurt Schubert	Director Pipelines, OMV		
			Jens Schumann	CEO, Gasunie Deutschland		
14.00	Workshop 1.2 "Offshore Pipeline Planning and Construction" Workshop 2.2 "Pipeline Integrity II"	Room 16  Room 17  Room 18	Werner Suhm	CEO, Herrenknecht		
			Arve Thorvik	VP EU Affairs, StatoilHydro EU Affairs Office (retired)		
	Workshop 3.2 "Pipeline Materials		MuhammadAli Trabulsi	General Manager Pipelines, Saudi Aramco		
	and Components"		Dr. Manfred Veenker	Shareholder, DrIng. Veenker Ingges. mbH		
17.00	End of PTC 2009		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

Mr. Walter Hirche, former Minister for Economics, Labour and Transport of Niedersachsen, Germany

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 Dr. Ferdinand Pavel, Manager, DIW econ, Germany

European Gas Demand from Eastern Sources in the View of the Recent Supply Crisis

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

Dr. Michael Kehr, Vice President, RWE Transgas Net s.r.o., Czech Republic

Coffee Break

Inherent Risk of Transit Pipelines

Mr. Ralf G. Schwimmbeck, President & Partner MEI,
LLC, USA

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

CO<sub>2</sub> 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

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Moderation: Mr. Wolfgang F. Eschment, VNG - Verbundnetz Gas AG. Germany

Innovations – Chances for Improving the Efficiency of Operation and Maintenance

Dr. Gerald Linke, E.ON Ruhrgas AG, Germany

Trends and Innovations in the Field of Totally Integrated Solutions for Pipelines

Mr. Sanjeev Sinha, SIEMENS AG, Germany

The Booming Chinese Gas Market - Present and Future Supply Corridors

Mr. Jiang Runyu, NDRC - National Development and Reform Commission, China

Coffee Break

The Cost of Integrity – Bridging the Gap between Engineering and Finance

Mr. Mohammed Al-Sayed, ALARP Risk Reduction Inc., Canada

Development and Customisation of Integrated Pipeline Integrity Management System

Mr. Mohd Nazmi, PETRONAS Gas Berhad, Malaysia

Human Resource Development: From Success to Progress

Mr. D. V. Shastry, GAIL Training Institute, India Mr. Ayush Gupta, GAIL Training Institute, India

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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 by. The Netherlands

The Nord Stream Project - Logistics Challenge Baltic Sea

Mr. Ludwig von Müller, Nord Stream AG, Switzerland

Cold Metal Transfer - CMT "The new Revolution in Automatic Root Pass Pipeline Welding"

Mr. Ryan Fokens, CRC-Evans Automatic Welding, USA

Effects of Reeling on the Mechanical Properties of HFI Welded Pipes

Dr. Scott McCann, Corus Tubes, 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. Raja Zahirudin b Raja Ismail, Petronas, Malaysia

Audacia Conversion 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. Karim Elhanafi, 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. Achim Hugger, 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 REGULA-TIONS 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  ${\rm CO}_{\scriptscriptstyle 2}$  Pipelines

Mr. Christian Heinz, ILF Consulting Engineers, Germany

#### WORKSHOP 3.2: PIPELINE MATERI-ALS AND COMPONENTS

Thursday, 23 April 2009, 14.00-17.00

Room 18

Moderation: Mr. Christian Heinz, ILF Consulting Engineers. Germany

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: 15 April 2009)



## ABTC - Ambela Business and Technology Center (Private) LTD.

Industrial Automation • Pipeline automation • Building Automation • HVAC and Low Current • Energy solutions • Substation Automation • Process automation of water • cement factories



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#### 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)

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3R International



bbr Fachmagazin für Brunnenund Leitungsbau



DVGW energie | wasser-praxis



Global Pipeline Monthly



**NoDig Construction** 



Oil & Gas European Magazine



Ost-West Contact



PetroMin Pipeliner



Pipeline & Gas Journal



World Pipelines

#### ORGANISERS



#### **FITFP**

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. FITEP 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 HAN-NOVER 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.

#### **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 HAN-NOVER MESSE.

For registration, please complete and return the conference registration form at <a href="https://www.ptc2009.com">www.ptc2009.com</a>.

#### **LEGEND**

tbc: to be confirmed

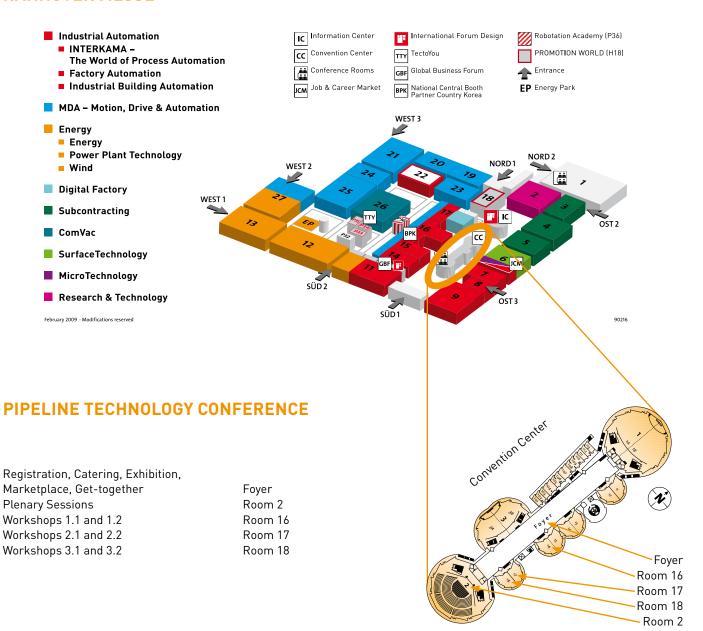
#### **UPDATES**

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



FLOOR PLAN FLOOR PLAN

#### **HANNOVER MESSE**







## 4<sup>th</sup> 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	Tel Fax								
E-Mail									
<ul> <li>□ Please send me further information on the Accompanying Exhibition.</li> <li>□ Please send me further information on the Marketplace "Engineer in the Oil &amp; Gas Industry".</li> </ul> Payment method									
□ By bank transfer after receipt of invoice □ By credit card □ Visa □ Mastercard □ America Express									
Card number	Expires								
Name of card holder	Card security code								
Date, Signature									
Participation Fee 390.00 EUR plus VAT	Conference Language English with simultaneous translation in German on the first								
Group packages on request.	conference day.								
Entry Conditions  Participation fee includes proceedings, lunch, beverages, snacks, invitation for Get-together, day tickets for HANNOVER MESSE  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									
Venue HANNOVER MESSE, Convention Center Hannover, Germany	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.								

#### **Conference Contact**

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