EITEP - Euro Institute for Information and Technology Transfer in Environmental Protection GmbH
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Conference
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Conference Program
Simultaneous Translation
German <> English during Plenaries

Pipeline Technology Conference 2009

Hannover, Germany
22-23 April 2009

Sponsor
Special Support

www.pte2009.com
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

WELCOME TO THE 4TH PIPELINE TECHNOLOGY CONFERENCE

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WEDNESDAY, 22 APRIL 2009

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

THURSDAY, 23 APRIL 2009

10.00  Workshop 1.1 “Onshore Pipeline Planning and Construction”
Workshop 2.1 “Pipeline Integrity I”
Workshop 3.1 “Technical Regulations and Standards - DVGW”
13.00  Lunch Break
14.00  Workshop 1.2 “Offshore Pipeline Planning and Construction”
Workshop 2.2 “Pipeline Integrity II”
Workshop 3.2 “Pipeline Materials and Components”
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

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General Manager Pipelines, Saudi Aramco
Dr. Manfred Veenker  Shareholder, Dr.-Ing. Veenker Ing.-ges. mbH
Prof. Thomas Wegener  Member of the Board, IRO
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

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

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

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

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

**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

**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

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

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

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 REGULATIONS AND STANDARDS - DVGW

Thursday, 23 April 2009, 10.00-13.00

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

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
- ...

see www.ptc2009.com/oil-and-gas-engineer.html for details
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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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

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**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)
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.
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

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

Participant

Company
Title / First Name / Last Name
Position
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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

Venue
HANNOVER MESSE, Convention Center
Hannover, Germany

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

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.

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For latest updates see: www.ptc2009.com