AN INVITATION

We are proud to announce the 30th annual Pipeline Pigging & Integrity Management (PPIM) Conference and Exhibition to be held in Houston, Texas, USA.

Pipeline pigging and integrity management are integral in the proper maintenance of pipeline infrastructure at any stage of the asset’s life, from design and construction to operation, maintenance and decommissioning.

More than 2,500 pipeline operators and engineers, manufacturers and suppliers from around the globe will converge on the George R. Brown Convention Center and adjoining Marriot Marquis Hotel to hear the latest technical papers presented by industry leaders, update their skills at one of the training courses preceding the conference, and learn about the latest innovations in integrity management technology and practices from the industry’s biggest names at the exhibition – all while making and renewing important business contacts.

As the one-stop event for those interested in pipeline pigging and integrity management, PPIM offers an unparalleled opportunity for those wishing to highlight their support of and services to the pipeline pigging and integrity management sector. We look forward to seeing you there.
PROVISIONAL PROGRAM (subject to change)

PROGRAM ADVISORY COMMITTEE

David Aguair – Pacific Gas & Electric
Tom Dubenkin – DNV GL
Matt Hastings – Williams
Everett Johnson – Marathon
Dr Keith Lewis – L & A, Inc.
Bj Lowe – Clarion Technical Conferences

Jim Marr – Marr Associates Pipeline Integrity Ltd.
Garry Matocha – Enbridge
Bryan Melan – Tide Water Integrity Services LLC
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John O’Brien – Chevron Corporation
Steve Rapp – Spectra
Jerry Rau – RCP
Terry Shamblin – EQT Midstream
John Tiratsoo – Tiratsoo Technical
Nelson Tonui – Kinder Morgan Canada Inc.
George Williamson – BP

Wednesday January 31

1 – Opening Plenary Session

8:00 Opening remarks

Session chairman: George Williamson, BP, Houston, TX, USA

8:15 [1] Keynote address: 30 years – technology, materials, and integrity looking back and into the future, by Dr Simon Webster, Chief Engineer Materials, BP, Sunbury-on-Thames, UK

8:45 [2] ILI validation: what are we trying to prove?, by Ian Smith, IDSMITH Pipeline Engineering, Inc., London, ON, Canada

9:15 [3] Analysis of ILI vendor performance on Enable Midstream’s pipeline system, by Joel Anderson, Enable Midstream, Oklahoma City, OK, USA

9:45

10:30 [4] Quality management systems: starting your pipeline off on the right foot, by Melissa Gould and Megan Winkel, DNV GL, Katy, TX, USA

11:00 [5] Identification of a unique geometry that contributed to pipeline failure: numerical and metallurgical findings, by David B. Futch, Dr Melanie Sarzynski, and Brent A. Vyvial, Stress Engineering Services, Houston, TX, USA

11:30 [6] Key differences of integrity management regulations and recommended practices for hazardous liquids versus gas pipelines, by Andrew R. Luther, Satish Pabba, Jay Kaufmann, and Dr Tom Bubenik, DNV GL, Katy, TX, USA

12:00 [7] Benefits of networking between the pipeline industry and the AIST Pipe & Tube Technology Committee, by John Cline, Vectren, Evansville, IL, USA

12:30 Lunch

2 – Corrosion and SCC

Chairman: Terry Shamblin, EQT Midstream, Pittsburgh, PA, USA

3 – Cracks

Chairman: Roland Palmer-Jones, Rosen Group, Newcastle upon Tyne, UK

4 – ILI (1)

Chairman: Garry Matocha, Enbridge, Houston, TX, USA

2:00 [8] Asset-specific mechanical properties from in-ditch pipeline inspection, by S. D. Palkovic,1 K. Taniguchi,1 and S. C. Belleman2

1. Massachusetts Materials Technologies, LLC, Cambridge, MA
2. Massachusetts Institute of Technology, Cambridge, MA, USA

[23] A probabilistic method for prioritizing repairs following an ILI crack tool run, by Dr Ted Anderson, TL Anderson Consulting, and Jim Andrew and Jason Moritz, Koch Pipeline, Wichita, KS, USA

2:30 [9] Pipeline operator and inspection company collaboration to improve in-pitohole and pitting corrosion inspections, by Thomas Hennig, Thomas Meister, and Nathan Leslie, NDT Global, Dublin, Ireland, and Josh Dobrenieccki, Marathon Pipe Line

[24] CorLAS – the next generation, by Dr Tom Bubenik and Steven Polasik, DNV GL, Dublin, OH, USA

3:00 [10] Soft criteria for eliminating SCC on pipelines by metal removal, by Dr Jing Ma and Michael Rosenfeld, Kieffer & Associates, Inc., Dublin, OH, USA

[25] Assessment of pipeline crack and crack-like colonies: a case study, by Jonathan Hardy, T.D. Williamson, Salt Lake City, UT, USA, and Dr Mike Kirkwood, T.D. Williamson Middle East FZE, Dubai, UAE

[40] IWEX a full matrix capture technique and the next generation of advanced ultrasonic testing, by Jeff Vynyard and Harvey Faiman, Apphco RTD Technology Center, Houston, TX, USA

3:30 Coffee

4:30 [11] Limitations associated with ILI technologies used for assessing corrosion under insulation, by Andrew Kendrick, Kendrick Consulting LLC, Santa Barbara, CA, USA

[26] Is the Paris fatigue crack growth relation the only model appropriate for pressure cycle fatigue analysis of pipelines?, by Sergio Limon, Elevare Partners, Salt Lake City, UT, USA, and Robert Pilaczyk, Hill Engineering, Rancho Cordova, CA, USA

[41] Stress analysis of an exposed pipe with an ILI tool, by Dr Didi Yu, TransCanada Pipelines Ltd, Calgary, AB, Canada, and Dr Yuan Wei, Simon Park, and Dr LePeng Li, University of Calgary, AB, Canada

4:30 [12] Preventing the onset of corrosion and removing safety hazards for the pipeline industry, by Matthew Boucher, Buddy Powers, ad Bart Davis, Chick Spring Company LLC, Houston, TX, USA

[27] Crack inspections in liquid natural gas pipeline, by Dr Thomas Hennig, Ernesto Suarez, Rogelio Jesus Guajardo, and Peter Haberl, NDT Global, Dublin, Ireland

[42] The development of in-situ test spools for assessing the performance of ILI tools during pipeline inspections, by Colton Sheets and Dr Punent Agarwal, Stress Engineering Services, Inc., and Matt Krieb, Marathon Pipe Line, LLC

5:00 [12] Preventing the onset of corrosion and removing safety hazards for the pipeline industry, by Matthew Boucher, Buddy Powers, ad Bart Davis, Chick Spring Company LLC, Houston, TX, USA

[27] Crack inspections in liquid natural gas pipeline, by Dr Thomas Hennig, Ernesto Suarez, Rogelio Jesus Guajardo, and Peter Haberl, NDT Global, Dublin, Ireland

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5:30 End of day, Exhibition reception
Thursday 1 February

5 - Modeling
Chairman: Everett Johnson, Marathon Oil Company, Kennebunk, TX, USA

6 - Composites and repair
Chairman: Dr Keith Leewis, Weiss & Associates, Duncan, BC, Canada

7 - ILI 2
Chairman: Dr Tom Babenek, DNV GL, Dublin, OH, USA

8:00 [15] Recent PHMSA protocols for improving models to consider complex loadings and interactive threats, by Eduardo Munoz, Kiefner and Associates, Inc., Columbus, OH, USA

8:30 [14] Modeling pipeline metal loss defects at tool speed, by Matthew Romney and Adrian Belanger, T.D. Williamson, Salt Lake City, UT, USA

9:00 [15] Modeling of real crack profiles using finite element analyses, by Alex Brett and Dr Bob Andrews, Rosen Group, Newcastle upon Tyne, UK

9:30 Coffee

8 - Data
Chairman: Jim Marr, Marr & Associates, Calgary, AB, Canada

9 - Integrity assessment
Chairman: Jerry Rau, RCP, Inc., Houston, TX, USA

10 - Offshore
Chairman: TBA

10:30 [16] Teaching old data new tricks using data science, by Jeffrey Lachey and Tony Allano, DNV GL, Columbus, OH, USA

11:00 [17] Statistical approaches for assessment of ILI data: two case studies, by Dr Pinen Agarwal, Stress Engineering Services, Houston, TX, USA

11:30 [18] Benefits of leveraging advanced data integration and information analysis methods, during the ILI criticality analysis and repair decision process, by Chad Haergelin and Eric Coyte, Integrity Solutions Ltd, Texas A&M University, Houston, TX, USA

12:00 [19] Assessing repeat ILI data using signal-to-signal comparison techniques, by Sarah Jane Dawson and Geoffrey Hurst, Baker Hughes, Cramlington, UK

12:30 Lunch

12 - Integrity assessment (cont’d)

13 - ILI 3
Chairman: Jim Marr, Marr & Associates, Calgary, AB, Canada

12:45 [20] The challenge of small pipelines, small defects, and small flow figures, by Peter van Benen, Pipeseat International, Zwijndrecht, Netherlands

1:00 [21] Small diameter tools for low-flow and low-pressure environments, by Tod Barker, T.D. Williamson, Salt Lake City, UT, USA

1:30 [22] Robotic ILI of various unpiggable pipelines: over a bridge, under a river, buried, and compressor station piping, by Aaron Huber, Diakont, Calle Fortunada, USA

2:00 [20] A comparison of steel vs composite sleeves for pipeline repairs, by Jerry Rau, RCP, Inc., Houston, TX, USA, and Shawn Laughlin, Pipe Spring LLC, Houston, TX, USA

2:30 [21] Multi-diameter ILI tools: a cost-effective solution for the inspection of complex pipeline systems, by Dr Hubert Lindner and Michael Schott, Rosen Group, Lingen, Germany

3:00 [22] Utilizing consecutive ILIs to monitor corrosion growth underneath composite repair applications, by Kevin Spencer, Baker Hughes, Calgary, AB, Canada, and Kevin Scaman, Williams Gas Pipeline

3:30 Coffee, End of conference

13:45 [23] A case study how reduced uncertainties of latest generation of ultrasonic crack-detection ILI technology benefit engineering-criticality assessments, Stephan Tappert, Baker Hughes, Stuttgart, Germany


14:45 [25] Finding novel and practical approach to engineering-critical assessment for integrity management, by Scott Riccardella and Dr Pete Riccardella, Structural Integrity Associates, Centennial, CO, USA, and Dave Katz, Williams, Salt Lake City, UT, USA

15:15 [26] An engineering-critical assessment for maximum allowable operating pressure verification, by Pushpendra Tomar, Phillip Nold, and Benjamin Metelka, Dynamic Risk Assessment Systems, Inc., The Woodlands, TX, USA

15:45 [27] Parametric study of deep-water pipeline systems, by Dr Hubert Lindner, T. D. Williamson, Salt Lake City, UT, USA, and Troy Rovella and Peter Veloso, Pacific Gas & Electric, Los Angeles, CA, USA

16:15 [28] Using from in-situ nondestructive testing to a probabilistic MAOP, by Michael Rosenfeld and Dr Jing Ma, Kiefner and Associates, Inc., Columbus, OH, USA, and Tony Rovella and Peter Veloso, Pacific Gas & Electric, Los Angeles, CA, USA

16:45 [29] A case study how reduced uncertainties of latest generation of ultrasonic crack-detection ILI technology benefit engineering-criticality assessments, Stephan Tappert, Baker Hughes, Stuttgart, Germany


18:45 [33] Pipeline integrity for industrial metropolitans: managing the urban infrastructure crisis, by Ron Maurier, Quest Integrity, USA, and T.Y. Liang, Formosa Plastics Corporation, Taiwan

19:15 [34] External subsea pipeline inspection through coating, by Willem Vos, Halfwave A/S, Øvre Ervik, Norway

19:45 [35] Quantification of uncertainty in input variables to understand the variance in fitness-for-service assessments, by Bruce Young, Jennifer M. O’Brien, and Mitchell A. Deerehacker, Battelle Memorial Institute, Columbus, OH, USA
In 2017 PHMSA will implement a wide range of stricter regulations for improving pipeline safety. At the top of the list are:

- Requirements for conducting risk assessment for integrity management, including seismic risk.
- Expanded mandatory data collection and integration requirements for integrity management, including data validation and seismicity.
- Increased focus on a data- and risk-informed approach to safety by requiring integration of available data, including data on the operating environment, pipeline condition, and known manufacturing and construction defects.
- Required annual evaluation of protective measures in High Consequence Areas (HCA), with established deadlines for internal inspections where possible for any new or replaced pipeline that could affect an HCA.

Are you ready for these new rules? The Advanced Risk Management course will equip you with the information and the know-how to set up and implement a comprehensive risk management program for pipelines. It will go into considerable depth in explaining the latest quantitative and qualitative methods for risk profiling and assessments. The focus will be on the establishment of a program that not only fulfills regulatory requirements, but also gives the pipeline owner/operator a long-term decision support tool.

LECTURER
W. Kent Muhlbaier, WKM Consultancy

5.3 Course B - 1.4 Continuing Education Units

US DOT PIPELINE REGULATIONS: IMPACTS & GUIDELINES FOR COMPLIANCE

The course will bring you up to speed on all important compliance matters, including these expected changes proposed by PHMSA:

- Pipelines built before 1970 must now be tested.
- New repair and replacement criteria for pipelines inside and outside of High Consequence Areas (HCA).
- Tightened standards for pressure tests
- PHMSA guidance on how to evaluate internal inspection results to identify anomalies.
- Requirements for conducting risk assessment for integrity management, including seismic risk.
- Expanded mandatory data collection and integration requirements for integrity management, including data validation and seismicity.
- Additional post-construction quality inspection to address coating integrity and cathodic protection issues.
- Required new safety features for pipeline launchers and receivers.
- Required systematic approach to verify maximum allowable operating pressure and report exceedances.
- Required leak-detection systems, and timelines for inspections of affected pipelines following an extreme weather event or natural disaster.
- Required annual evaluation of protective measures in HCA, with established deadlines for internal inspections where possible for any new or replaced pipeline that could affect an HCA.
- Increased focus on a data- and risk-informed approach to safety by requiring integration of available data, including data on the operating environment, pipeline condition, and known manufacturing and construction defects.

Special attention will be given to requirements for Operator Qualification and Integrity Management Plans.

LECTURERS
David Bull, VadaData
George Williamson, BP

5.4 Course C - 1.4 Continuing Education Units

INTRODUCTION TO EXCAVATION INSPECTION & APPLIED NDE FOR PIPELINE INTEGRITY ASSESSMENT

This course will review both in-line (direct) and indirect inspection methods for pipelines, and the ways in which the results of these inspections are reported. Participants will then learn the correct procedures for conducting investigative digs based on these inspections, and how to use the latest NDE technologies to perform conclusive direct examinations for final integrity assessment and maintenance decisions.

LECTURERS
Jim Mart, Marr Associates Pipeline Integrity Ltd
Rick Desaulniers, ENTEGRA

5.5 Course D - 1.4 Continuing Education Units

PIGGING & IN-LINE INSPECTION

The use of in-line tools for inspection and cleaning is accepted as essential for the safe and profitable operation of all pipelines. Now, regulations require internal inspections using geometry pigs for detecting changes in circumference, and the use of MFL or ultrasonic pigs for determining wall anomalies or wall loss due to corrosion in onshore pipelines in the US. Offshore, pipeline operators wage a constant battle for flow assurance against paraffin, hydrate, and asphaltene formation in deepwater lines, and pigging technology combined with chemical treatment is their primary weapon. The Pigging and In-line Inspection Course is designed to provide a comprehensive introduction to all aspects of utility and in-line inspection pigging. Led by four of the most experienced, independent experts in this field today, the course will be conducted as a workshop, and attendees will be actively encouraged to participate. The course content will be fully illustrated, with actual pigs and models being used to aid understanding and help overcome any language difficulties. Comprehensive course notes will be provided, which will form a valuable source of reference afterwards.

LECTURERS
Dr Tom Bubenik, DNV GL
Pam Moreno, DNV GL
George Williamson, BP
Chris Yoxall, Rosen Group
NEW!
FRACTURE MECHANICS FOR PIPELINE ENGINEERS
also see Course I, page 7
This two-day course is ideal for engineers who work in the pipeline industry and are faced with the technical and regulatory challenges associated with the seam weld crack threat. The instructor is Dr Ted Anderson, who is a well-known expert in fracture mechanics with many years of experience in the oil & gas industry. The attendees will receive a grounding in fundamental concepts of fracture mechanics, but with a focus on practical applications of this technology to the pipeline crack threat.

Course E is an in-depth review of fracture characteristics and behavior, modeling, and analysis methods. Course I gives an overview of principles and analysis and then concentrates on inspection, assessment and repair options. See the detailed syllabus for these courses at clarion.org/courseE.php

LECTURERS
Dr Ted Anderson, TL Anderson Consulting

Course F 1.4 Continuing Education Units

DEFECT ASSESSMENT IN PIPELINES
Many transmission pipelines are now over 50 years old. This is "middle aged" in pipeline terms, and even the best designed and maintained pipeline will become defective as it progresses through its design life. Therefore, operators need to be aware of the effect these defects will have on their pipeline, and - more importantly - be able to assess their significance in terms of the continuing integrity of the pipeline. The increasing use of high technology maintenance (for example, intelligent pigs) is helping pipeline owners to assess the condition of their lines, and if these modern maintenance methods are combined with modern defect-assessment methods, they can provide a very powerful, and cost-effective, tool. This course will present the latest defect-assessment methods to pipeline engineers and managers. These methods will range from simple, quick, assessment methods, to the more detailed - fitness for purpose - analysis. The course is highly interactive and takes the form of lectures, workshops, and case studies.

LECTURER
Dr Phil Hopkins, Phil Hopkins Ltd

PIPELINE INERTITY MANAGEMENT
The course provides a sound review of Pipeline Integrity Management strategies, in compliance with regulatory requirements, including self-assessment. It is highly interactive and takes the form of lectures and case studies. On completion of the course, participants will have a solid understanding of the procedures, strengths, limitations, and applicability of the main issues that comprise a Pipeline Integrity Management Program.

LECTURER
Dr Alan Murray, Principia Consulting

Course G 1.4 Continuing Education Units

PIPELINE REPAIR METHODS, HOT TAPPING, AND IN-SERVICE WELDING
The various aspects of pipeline repair using weld and non-weld methods will be covered, as will the concerns for welding onto in-service pipelines and the approaches used to address them. In particular:
- Defect assessment prior to repair. Selecting an appropriate repair method.
- Hot tap branch connections.
- Pipeline repair by weld deposition. Non-welded repairs. Code and regulatory requirements. Hot tap and repair sleeve welding. Lessons to be learned from past pipeline repair incidents.

LECTURERS
Dr Chris Alexander, ADV Integrity, Inc.
Bill Bruce, DNV GL

Course H 1.4 Continuing Education Units

MANAGING CRACKING AND SEAM WELD ANOMALIES IN PIPELINES
Inspection, Assessment, Repair
also see Course E, page 6
Various forms of cracks, crack-like indications and seam weld anomalies are known to be present on pipelines, which could become a safety concern to their safe operation. The most typical forms of cracking and seam weld anomalies are environmentally, manufacturing or operational related, such as stress corrosion cracking, corrosion fatigue cracking, hydrogen-induced cracking, hook crack, lack of fusion and cold welds, This course will provide an integrated, data-driven approach for addressing these integrity threats. It covers in greater depth the formation and conditions that drive their growth until they become unstable, leading to leaks or ruptures. The appropriate assessment methods such as ILI tools, pressure testing and direct assessments will be reviewed as well as traditional and current engineering Fracture Mechanics based methods for determining crack severity for response and remediation. Each attendee will receive a complimentary Excel-based crack assessment calculator which will be demonstrated in class using practical case studies.

Course I gives an overview of fracture principles and analysis and then concentrates on inspection, assessment and repair options. Course E is an in-depth review of fracture characteristics and behavior, modeling, and analysis methods. See the detailed syllabus for these courses at clarion.org/courseI.php

LECTURER
Sergio Limon, Elevare Partners

Course J 1.4 Continuing Education Units

API RECOMMENDED PRACTICE 1173 PIPELINE SAFETY MANAGEMENT SYSTEM REQUIREMENTS
Recent incidents in the pipeline industry have led to recommendations that pipeline operators adopt safety management systems as a means of attaining a goal of zero incidents. The American Petroleum Institute's (API) Recommended Practice (RP) 1173 - Pipeline Safety Management System Requirements is the result of a substantial industry effort to provide guidance for the development and maintenance of a pipeline safety management system. The RP is set to be released early this year and has been supported by the regulatory agencies and has been developed with input gathered from two workshops in 2014, as well as a public hearing.

LECTURER
Dr Michael Beiler, Rosen Group
Dr Konrad Reiber, Innospection

Course K 1.4 Continuing Education Units

HYDROSTATIC TESTING OF PIPELINES
This course is designed for pipeline personnel in engineering, integrity management, operations, and regulatory compliance roles. This course will cover a wide range of topics related to hydrostatic testing of pipelines for gas and hazardous liquid service for both in-service and new construction according to CFR 49 Parts 192 and 195. The course will provide attendees with necessary information for planning and conducting a successful hydrostatic test, whether it's for initial service or retesting existing lines. Planning will cover review of integrity prior to testing through evaluation of test results. The course will focus on testing with water but testing with other medium will be discussed.

LECTURER
Gary Zunkel, Lake Superior Consulting

Course L 1.4 Continuing Education Units

INSPECTION OF CHALLENGING PIPELINES
The course will provide an in-depth introduction into the inspection of challenging pipelines, i.e. pipelines that cannot be inspected in a straightforward manner using traditional free-swimming in-line inspection tools. The course will introduce typical flaws and anomalies found in challenging assets, including a wide range of metal loss and crack features. Assets covered in the course include difficult-to-inspect onshore and offshore pipelines in the up-, mid- and downstream sectors, including gathering and distribution lines, loading lines, storage lines, risers, flexible pipe and risers, laterals. The course examines all relevant inspection technologies and related non-destructive testing principles as well as operational procedures, data analysis and reporting.

LECTURER
Megan Weschel, DNV GL
A key feature of the event is the opportunity to visit one-on-one with the leading technology suppliers in this fast evolving field. Exhibiting company representatives will be available to discuss the latest technologies for pipeline integrity management, including ILI, pigging for cleaning, geometry, sealing, ILI prep, and other utility applications. Also, validation digs, NDE and direct assessment, hydrotesting, data management, leak detection, mapping, emergency response, and repair methods will be showcased.

**TO VISIT THE EXHIBITION**

Included in all conference and/or course registrations. If you are unable to attend the conference programme, visit the exhibition for only $75 (one day) or $150 (three days).

**EXHIBITION HOURS**

- Tuesday, January 30, 5:00pm to 7:00pm
- Wednesday, January 31, 9:00am to 7:00pm
- Thursday, February 1, 9:00am to 2:00pm

**EXHIBITOR STORAGE**

**EXHIBITOR STORAGE**

- Exhibitors Lunch Area
- Evening Bar
- Evening Reception Buffet
- Food & Beverage Staging
- Presentation Theater
- LOUNGE AREA
- EXHIBITOR STORAGE
- CAN'T ATTEND THE CONFERENCE? DON'T MISS THE EXHIBITION**
EXHIBITING COMPANIES (AT PRESS TIME)

Baker Hughes, a GE Company 336 419 540
American Innovations 1034
Airgas Nitrogen Pumping Services Company
Air Products
Aegion / Corrpro 339
Advanced OEM Solutions
Acuren Inspection, Inc. 438
Energy Rental Solutions - CAT 407 & 409
Enduro Pipeline Services
EMS Energy Solutions, LLC 413, 415, 512, 425 & 427
Electrochem Solutions, Inc. 1047
Diakont
Dale Fastener Supply 931
Cudd Energy Services
Cross Country Infrastructure Services 300
China Petroleum Pipeline Inspection 924
Charger Industries 446
CECO Pipeline Services 309
CCI Pipeline Systems 1022
Brown Integrity 747
Blue Star Stamping 238
Gulf Coast Pipeline Services 441
E-Z Line Pipe Support Company, LLC
E-Met Inc. 339 & 430
OneBridge Solutions, Inc. 719
EnerChem, Inc. 544
Nitro-Lift Technologies, LLC 955
Zeeco, Inc.
Wrapmaster, Inc.
Pipeline Pressure Isolation Group, LLC 825
Pipelines International (PPSA)

COURSES | CONFERENCE | EXHIBITION

FOR FASTEST REGISTRATION, REGISTER ONLINE www.clarion.org

VENUE & ACCOMMODATION

Exhibition: George R. Brown Convention Center 1001 Avenida De Las Americas Houston, TX 77010
Conference, courses and overnight accommodations: Marriott Marquis Hotel 1777 Walker St, Houston, TX 77010. Tel. +1 713 654 1777.
The room rate is $235. Please mention the group ID: PPIM 2018 when booking your reservation to receive the discounted rate.

CAUTION
Beware of third-party offers related to hotel bookings for PPIM 2018. We have not authorized anyone to contact you. Consider any such offers as scams designed to steal money. Legitimate bookings can only be made direct with the Marriott Marquis at the telephone numbers above.

PAYOUT OPTIONS (check as appropriate)
I will mail a check payable to Clarion Technical Conferences
I will send an wire with bank transfer payment details
I will pay by bank transfer

PAYMENT OPTIONS (check as appropriate)
1. Cancellations received 30 days prior to the event are non-refundable.
2. Substitutions may be made at any time if you wish to transfer to another course or conference at another time, a 50% credit will be applied for fees already paid.
3. Early registration discounts not applicable
discounts not applicable

PRICE REDUCTIONS (apply to conference and course fees only)
Early registration prior to Jan 22: $50 off
Multiple registrations from the same company: $100 off per person (please submit a separate registration form for each registrant. We will invoice the discount in each person. It is not necessary to enumerate everyone in the same ar time)
Professional membership: 10% discount. may not be combined with multiple registration discounts.
Individual members only
VIP Member
YMC Member

NOTE: If you decide to register for an additional event (course or conference) separately, or at a later date, the combined rate will apply.

EXHIBITING COMPANIES (AT PRESS TIME)
FREE visitor pass - see inside!

CHECKOUT THESE NEW COURSES!

- Pigging & Integrity in Non-Technical Language, page 4
- Fracture Mechanics for Pipeline Engineers, page 6
- Inspection of Challenging Pipelines, page 7
- Pipeline Piggings and Integrity Management

January 29 - February 1, 2018, Houston

George R. Brown Convention Center and the Marriott Marquis Hotel

FREE visitor pass - see inside!

ADDRESS SERVICE REQUESTED

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