

Wednesday 31 January			
1 – Opening Plenary Session			
8:00	Opening remarks		
Session chairman: George Williamson, BP, Houston, TX, USA			
8:15	[1] <i>Keynote address</i> : 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 Weichel, DNV GL, Katy, TX, USA		
11:00	[5] Identification of a unique geometry that contributed to pipeline ratcheting: 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. Lutz, 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, IN, USA		
12:30	Lunch		
	2 - Corrosion and SCC	3 - Cracks	4 - ILI (1)
	Chairman: Terry Shamblin, EQT Midstream, Pittsburgh, PA, USA	Chairman: Roland Palmer-Jones, Rosen Group, Newcastle upon Tyne, UK	Chairman: Garry Matocha, Enbridge, Houston, TX, USA
2:00	[8] Asset-specific mechanical properties from in-ditch pipeline inspection, by S. D. Palkovic ^{1,2} , K. Taniguchi ¹ , and S. C. Bellemare ^{1,2} 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	[38] A case study for ILI false-positives, by Matthew Ellinger, DNV GL, Dublin, OH, USA

2:30	[9] Pipeline operator and inspection company collaboration to improve in pinhole and pitting corrosion inspections, by Thomas Hennig, Thomas Meinzer, and Nathan Leslie, NDT Global, Dublin, Ireland, and Josh Dobrzeniecki, Marathon Pipe Line	[24] CorLAS - the next generation, by Dr Tom Bubenik and Steven Polasik, DNV GL, Dublin, OH, USA	[39] Baseline and follow-up inspections: getting a head start on pipeline health, by Kai Xin Toh, Quest Integrity Malaysia, and Lisa Barkdull, Quest Integrity, Stafford, TX, USA
3:00	[10] Safe criterion for eliminating SCC on pipelines by metal removal, by Dr Jing Ma and Michael Rosenfeld, Kiefner and 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 Vinyard and Harvey Haines, Applus 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, Elevara Partners, Salt Lake City, UT, USA, and Robert Pilarczyk, Hill Engineering, Rancho Cordova, CA, USA	[17] Statistical approaches for assessment of ILI data: two case studies, by Dr Puneet Agarwal, Stress Engineering Services, Houston, TX, USA
5:00	[12] Preventing the onset of corrosion and removing safety hazards for the pipeline industry, by Matthew Boucher, Buddy Powers, and Bart Davis, Clock Spring Company LLC, Houston, TX, USA	[27] Crack inspections in liquid natural gases, by Dr Thomas Hennig, Ernesto Suarez, Rogelio Jesus Guajardo, and Peter Haberl, NDT Global, Dublin, Ireland	
5:30	End of day, Exhibition reception		

Thursday 1 February			
	5 - Modeling	6 - Composites and repair	7 - ILI 2
	Chairman: Everett Johnson, Marathon Oil Company, Kenedy, TX, USA	Chairman: Dr Keith Lewis, Lewis & Assocs, Duncan, BC, Canada	Chairman: Dr Tom Bubenik, DNV GL, Dublin, OH, USA
8:00	[13] Recent PHMSA protocols for improving models to consider complex loadings and interactive threats, by Eduardo Munoz, Kiefner and Associates, Inc., Columbus, OH, USA	[28] 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	[43] A case study how reduced uncertainties of latest generation of ultrasonic crack-detection ILI technology benefit engineering-criticality assessments, Stephan Tappert, Baker Hughes, Stutensee, Germany
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	[29] Monitoring the condition of a pipeline repair and the anomaly beneath the repair, by Alan Turner, Lloyd's Register Energy - Drilling, Houston, TX, USA, Ryan LaVergne, and Dr Chris Alexander, ADV Integrity, Inc., Magnolia, TX, USA	[44] Multi-diameter ILI tools: a cost-effective solution for the inspection of complex pipeline systems, by Dr Hubert Lindner and Michael Schorr, Rosen Group, Lingen, Germany
9:00	[15] Modeling of real crack profiles using finite element analysis, by Alex Brett and Dr Bob Andrews, Rosen Group, Newcastle upon Tyne, UK	[30] Utilizing consecutive ILIs to monitor corrosion growth underneath composite repair applications, by Kevin Spencer, Baker Hughes, Calgary, AB, Canada, and Kevin Seaman, Williams Gas Pipeline	[45] Finding and assessing the severity of interacting threats using ILI, by Sarah Jane Dawson and Geoffrey Hurd, Baker Hughes, Cramlington, UK
9:30	Coffee		

	8 - Data	9 - Integrity assessment	10 - Offshore
	Chairman: Jim Marr, Marr & Assocs, Calgary, AB, Canada	Chairman: Jerry Rau, RCP, Inc., Houston, TX, USA	Chairman: Stephan Tappert, Baker Hughes, Stutensee, Germany
10:30	[16] Teaching old data new tricks using data science, by Jeffrey Lachey and Tony Alfano, DNV GL, Columbus, OH, USA	[31] Determining the acceptability of bottom side dents with metal loss, by Rhett Dotson and C. Holliday, Rosen Group, Houston, TX, USA	[46] Effective inspection solutions for coated & non-coated subsea pipelines, by Andreas Boenisch, Hans Gruitroij, and Sebastian Hartmann, Innospection Ltd, Aberdeen, UK
11:00	[42] The development of in-situ test spools for assessing the performance of ILI tools during pipeline inspections, by Colton Sheets and Dr Puneet Agarwal, Stress Engineering Services, Inc., and Matt Krieg, Marathon Pipe Line, LLC	[32] Considerations and methodology for seam integrity analysis, by Dr Ramsey Hilton and Michael Rosenfeld, Kiefner and Associates, Columbus, OH, USA	[47] Minimum bore restriction in offshore liquid pipelines, by Wayne Fleury, Halfwave A/S, Øvre Ervik, Norway, and Kelly P. Angelette, Shell Pipeline Company LP
11:30	[18] Benefits of leveraging advanced data integration and information analysis methods, during the ILI criticality analysis and repair decision process, by Chad Haegelin and Eric Coyle, Integrity Solutions Ltd, Texas A&M University, Houston, TX, USA	[33] Application of quantitative risk assessment, by Patrick Vieth, Dynamic Risk, The Woodlands, TX, USA	[49] External subsea pipeline inspection through coating, by Willem Vos, Halfwave A/S, Øvre Ervik, Norway
12:00	[19] Assessing repeat ILI data using signal-to-signal comparison techniques, by Sarah Jane Dawson and Geoffrey Hurd, Baker Hughes, Cramlington, UK	[34] Pipeline integrity for industrial metropolitans: managing the urban infrastructure crisis, by Ron Maurier, Quest Integrity, USA, and T.Y. Liang, Formosa Plastics Corporation, Taiwan	

12:30	Lunch		
	11 – Unpiggable Pipelines	12 - Integrity assessment (cont'd)	13 - ILI 3
	Chairman: Dr Keith Leewis, Leewis & Assocs, Duncan, BC, Canada	Chairman: Kevin Spencer, Baker Hughes, Calgary, AB, Canada	Chairman: Jim Marr, Marr & Assocs, Calgary, AB, Canada
2:00	[20] The challenge of small pipelines, small defects, and small flow figures, by Peter van Beugen, Pipesurvey Internatisonal, Zwijndrecht, Netherlands	[35] Quantification of uncertainty in input variables to understand the variance in fitness-for-service assessments, by Bruce Young, Jennifer M.O'Brian, and Mitchell A. Doerzbacher, Battelle Memorial Institute, Columbus, OH, USA	[50] ILI of hydrogen-carrying pipelines, by Tod Barker, T.D. Williamson, Salt Lake City, UT, USA, and Ronald M Wills, Air Products, USA
2:30	[21] Small-diameter tools for low-flow and low-pressure environments, by Tod Barker, T.D. Williamson, Salt Lake City, UT, USA	[36] Going from in-situ nondestructive testing to a probabilistic MAOP, by Michael Rosenfeld and Dr Jing Ma, Kiefner and Associates, Inc., Columbus, OH, USA, and Troy Rovella and Peter Veloo, Pacific Gas & Electric, Los Angeles, CA, USA	[51] ILI: a superior tool over pressure testing 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
3:00	[22] Robotic ILI of Robotic in-line inspection of unpiggable buried pipelines, by Jonathan Minder, Diakont, Calle Fortunada, CA, USA	[37] A novel and practical approach to consistently assess risk for multiple asset types, by Mauricio Palomino, Christian Calvi, and Yeliz Cevik, G2 Integrated Solutions, Houston, TX, USA	[52] Using state-of-the-art ILI services to support fitness-for-purpose assessments, by Simon Slater, Rosen Group, Houston, TX, USA
3:30	Coffee, End of conference		