

## TECHNICAL SKILLS & EXPERIENCE

Ian Smith has worked in the pipeline industry for 20+ years and is employed by IDSmith Pipeline Engineer Inc.

He has extensive experience in pipeline integrity programs, software and product development, project management, pipeline engineering, risk management, incident investigation, hydraulic modelling, and pipeline operations.

His experience working with pipeline inline inspection programs includes: performing integrity and fitness-for-service assessments, developing integrity assessment standards, internal inspection tool development, and non-destructive and destructive defect examinations.

His project experience includes various pipeline projects such as adding tankage and metering facilities to an existing pipeline, pipeline modifications, pipeline decommissioning, changes in pipeline service, and various maintenance projects.

His product development experience includes being a service line manager for pipeline integrity engineering solutions and product manager for Pacifica fatigue management software.

## POSITIONS HELD

Principal	IDSMITH Pipeline Eng. ( <i>Current</i> )
Service Line and Product Manager	Quest Integrity (2010-16)
Principal	IDSMITH Consulting Inc. (2008-10)
Manager, Engineering	Sun-Canadian Pipe Line (2006-08)
Manager, Maintenance	Sun-Canadian Pipe Line (2003-08)
Pipeline Engineer	Sun-Canadian Pipe Line (1999-2003)
Supervisor, Data Analysis	Pipetronix (1996-99)

## EDUCATION

Civil Engineering, University of Guelph

## PUBLICATIONS

*IPC2016-64460 "A Life-Cycle Approach to the Assessment of Pipeline Dents"*  
Michael Turnquist, Ian Smith, 2016 International Pipeline Conference, September, 2016.

*"Impact of Advances in Seam Weld Assessment to Integrity Management: A Series of Case Studies"*  
Ian Smith, Dr Ted Anderson, 2015 PTC Conference Proceedings, EITEP, June 2015.

*"Gains With Advanced Data Assessment In ILI"*,  
Ian Smith, Mike McGee, PPIM 2015 Conference Proceedings, Clarion Technical, February 2015.

*"Innovations in Seam Weld Assessment"*,  
Dr Ted Anderson, Ian Smith, PPIM 2015 Conference Proceedings, Clarion Technical, February 2015.

*"Case studies in the application of advanced technology to pipeline flaw assessment"*  
Dr. Ted Anderson, Ian Smith. PPIM 2013 Conference Proceedings, Clarion Technical.

*"Improvements in the Engineering Assessment Process for UT Metal Loss ILI Inspections"*  
Ian Smith, Lisa Barkdull. PPIM 2013 Conference Proceedings, Clarion Technical, February 2013.

*"Advances in ILI allow Assessment of Unpiggable Pipelines"*  
Ian Smith. Pipeline & Gas Journal, August 2011.

*"Electric Resistance Welded Seam Inspection using Circumferential Flux"*  
Ian Smith, Ron Thompson and Duane Cronin, International Pipeline Conference 2008.

## COURSES LED

Pipeline Defect Assessment Calculations Workshop - Clarion  
Pipeline Anomaly Assessment - EUCl

## ASSOCIATIONS & MEMBERSHIPS

Professional Engineers of Ontario License #90498775  
ASME