Papers Presented and Published from May 2003 to present

Michael Moles
September 15, 2008

10. Michael Moles, Noël Dubé and Ed Ginzel, “Pipeline Girth Weld Inspections using Ultrasonic Phased Arrays”, 7th Int Pipeline Congress and Exhibition, Puebla, Mexico, 12-14 Nov 2003, ref # CIN-039.
Ultrasonic Phased Arrays”, American Society for Nondestructive Testing, 8-12 March 2004, Austin, Texas.


22. Fabio Moreira, Michael Moles, Noël Dubé, Simon Labbé and Ed Ginzel, “Pipeline girth weld inspections of pipes from 60 mm diameter and 5 mm wall and above using ultrasonic phased arrays”, XXII CONAEND National Conference for Non-Destructive Testing, 12-14 July 2004, organized by ABENDE.


45. Michael Moles, Simon Labbé and Jinchi Zhang, “Improved Focusing for Pipeline Girth Weld Inspections using Phased Arrays”, IICPIT Houston, June 1-4, 2005.


51. Michael Moles, “TOFD and Phased Arrays: Where they score, where they don’t”, ASNT Fall Conference, Oct 17-21, 2005, Columbus, Ohio.


57. Michael Moles, “Qualification of Phased Arrays to ASME Section V and Other Codes”, International Pressure Equipment Integrity Association, Banff, Alberta, 1-3 February 2006.


70. J. Mark Davis and Michael Moles, “Resolving Capabilities of Phased Array Sectorial Scans (S-Scans) on Diffracted Tip Signals”, ASNT Fall Conference, October 23-27, 2006.
74. Michael Moles and Steven Lim, “Phased Array Applications for Pipeline Girth Weld Inspections“, NDT Corrosion Management and Exhibition, Singapore, Dec 7-8, 2006
75. Michael Moles and Steven Lim, “Portable Phased Array Girth Weld Scanner”, NDT Corrosion Management and Exhibition, Singapore, Dec 7-8, 2006
98. J. Mark Davis and Michael Moles, “Resolving Capabilities of Phased Array Sectorial Scans (S-Scans) on Diffracted Tip Signals”, 4th Middle East Conference on NDT, Bahrain, Dec 1-5, 2007.


110. M. Moles, “Pressure Vessel Inspection Codes for Phased Arrays”, idem.


113. M. Moles and J. Zhang, “Curved Arrays for Improved Inspection ofSmall Pipe Welds”, 17 WCNDT.

114. M. Moles, “Getting Phased Array Approvals and Certifications”, 17 WCNDT.


117. M. Moles and S. Labbe, “PipeWIZARD Version 4 – A New, Improved Pipeline AUT Girth Weld Inspection System”, 17 WCNDT


Books Edited:

5. IIW handbook on “Phased Arrays for Weld Inspections”, to be published.