

NDT in Canada 2009

National Conference

Program

Pre-conference Monday August 24 th			
Time	Asher's Dining Room	Exhibit Areas Garden Room & Asher's Lounge	Balsam Room
7:00		Exhibit Set-up	
8:00			
9:00			
10:0			
11:00			
Noon			
1:00	Registration opens in South Wing Entrance	Exhibits Open	
2:00			
3:00			
4:00			
5:00			
6:00			
7:00	Mix & Mingle! Hors d'oeuvres Reception		
8:00			

Day 1 Tuesday August 25 th				
Time	Asher Dining Room		Exhibit Areas Garden Room & Asher's Lounge	Registration 8 AM – 5 PM South Wing Entrance
7:00	Keynote Breakfast 8:00-9:00 Dr. Eric Sjerve		Closed	Balsam Room
8:00				
9:00	Research Elm Room	NDT Application Oak Room	Open	Principles of Failure Analysis Shane Turcott
9:30	Lakhan, R. Signal-Injection for building POD qualification and Sizing Performance Data Sets	Avdelidis, N. Transient thermography tools for NDT & E of composites		
10:00	Saroukhani, S Investigation of pile-integrity using novel signal processing methods	Genest, M A Comparison of Pulsed Thermography and Ultrasonic C-scanning for Inspection of Aircraft Composite Structures	Closed	
10:30	Break			
11:00	Orth, T. Wavelet Signal Processing of Magnetic Flux Leakage Signals - Implementation of a Multichannel Wavelet-Filter for Nondestructive Testing Systems in Steel Tube Mills	Stoyko, D. Estimating a Pipe's Equivalent Wall Thickness and Elastic Properties from Ultrasonic Measurements		
11:30	Schmitte, T. Wavelet-based Denoising of EMAT Signals – from Development to Industrial Real-time Application	Bussiere, J. High Temperature Flexible Ultrasonic Transducers for NDT of Pipes		
Noon	Asher Dining Room Buffet Lunch		Open	Asher Dining Room Buffet Lunch
1:00				
2:00	Mirkhani, K. New and Innovative Non-Destructive Testing (NDT) Techniques for Inspection and Monitoring of Metal Smelting Furnaces	Delong, B. CR and DR Inspection Capabilities	Closed	Imaging Concrete Structures with GRP Troy de Souza
2:30	Krause, T.W. Study of the Variations of Probe Parameters by Finite Element Modeling of Transient Eddy Currents in Multilayer Aluminum Structures	Roberge, S. ECI of Gas Turbine Aircraft Engines		
3:00	Mirkhani, K. Wave Propagation Concrete NDT Techniques for Evaluation of Structures and Materials	Lévesque, D. Laser ultrasonics for NDE in the automotive industry		
3:30	Break			
4:00	Yang, Z Experimental study on acoustic emission characteristics of aging explosive PBX-9003 under uniaxial compression	Krause, T.W. Evaluation of Selective Phase Corrosion Thickness on Nickel Aluminum Bronze Valves using Transient Eddy Current		
4:30	Zongzbobo Study on the infrared information of Electric detonator under electrical loading	Obrutsky, L. Overview of the Technology for Steam Generator Tube Inspections	Open	
5:00				
6:00	Dinner - Asher Dining room			
7:00				
	Continuous refreshment and snack service is provided every morning and afternoon.			

Day 2 Wednesday August 26th

Time	Asher Dining Room		Exhibit Areas Garden Room & Asher's Lounge	
7:00	Hot Buffet Breakfast 7:00-9:00		Closed	Balsam Room
8:00				
9:00	Research Elm Room	NDT Application Oak Room	Open	Phased Array Doug Whitely
9:30	Rodriguez, A. A new filter bank design for Split-Spectrum algorithm	Schumacher, E. Simulation Software for NDT		
10:00	Shapoori, K. A New Technique for Acoustical Image Reconstruction of a Static Object through a Highly Attenuative Layered Structure via Signal Processing of Distorted Acoustical Field	Adams, M.		
10:30	Break			
11:00	Chatillon, S. Time of flight inverse matching reconstruction of ultrasonic array data exploiting forwards models	Kleiman, J. Residual Stess Measurement of Advanced Alloys		
11:30	Mircea, P. Physical model and algorithms for detection and computerized signal classification of pneumothrax build into an automatic percussion device	Cheverie, J. New Advances and Applications using XRF Analyzers for Alloy Testing	Closed	
Noon	Asher Dining Room Buffet Lunch			
1:00				
2:00	Genest, Marc Image Processing for Flaw Detection using Infrared Thermography	Weber, W. Advanced Ultrasonic Inspection Systems	Open	Asher Dining Room Buffet Lunch
2:30	Maldague, X. Analysis of Ultrasonic Elastic Waves in Vibrothermography Using FEM	Lamarre, A. Ultrasonic phased-array and eddy current array as approved methods for aircraft maintenance		
3:00	Gavrilov, D Numerical Study of Surface Temperature Evolution in Multilayered Samples Under Various External Heating Conditions.	Cirou, P. Ultrasonic NDE of Materials Grain Size and Hardness	Tear-Down	Phased Array Doug Whitely
3:30	Break			
4:00	Larbi, W. Experimental comparison of lock-in and pulsed thermography for the nondestructive evaluation of aerospace materials.	Martel, J. Defect Detection and Imaging from Phased Array Focusing of Ultrasonic Guided Waves		
4:30	Grinzato, E. Automatic indoor environmental conditions monitoring by IR thermography	Levesque, D. Ultrasonic evaluation of friction stir welds and dissimilar intermixing using synthetic aperture focusing technique		
5:00				
6:00	Asher Dining Room Banquet Dinner & Awards			
8:00				
	Continuous refreshment and snack service is provided every morning and afternoon.			

Day 3
Thursday August 27th

Time	Asher Dining Room		Exhibit Areas Garden Room & Asher's Lounge	Balsam Room
7:00	Hot Buffet Breakfast 7:00-9:00		Closed	
8:00				
9:00	Research Elm Room	NDT Application Oak Room		
9:30	Karloff, A. Enhancing Real-time Ultrasound Imaging of Nugget Formation in Resistance Spot Welds	Choi, E. Standard compliance - NDE performance demonstration in the CANDU industry		
10:00	Shukla, A. Ultrasonic Based Process Monitoring Using Advanced Data Processing and Analysis	Cote, L. Best Practices for Certification Schemes		
10:30	Break			
11:00	Shokralla, S. Reducing the Negative Effects of Grating through A-Scan Post Processing When Compensating for Poor Element Directivity	Krishnamoorthy, K. Quality Assurance in NDT		
11:30	Meksen, T. Flat and Volumetric Defects Classification during Ultrasonic Inspection	Baron, J. The case for Inspection Qualification		
Noon	Asher Dining Room- Buffet Lunch Closing ceremony & Grand Prize draw See everyone next year!			
1:00				