

## Conference Program - June 19, 2018

	Workshop/ Meeting Room	Office	Exhibit Area (Hall C1 & C2A)	Track 1 (Hall C3)	Track2 (Hall C4)	Pratt & Whitney Canada Tour(Offsite)
8:00						
8:15						
8:30						
8:45						
9:00						
9:15						
9:30						
9:45						
10:00			Exhibitor Area Closed			
10:15						
10:30						
10:45						
11:00		CINDE Board Meeting				
11:15						
11:30						
11:45						
12:00						
12:15		Board Luncheon				
12:30						
12:45						
13:00						Meet outside of conference venue for transportation to offsite tour (1pm sharp)
13:15						
13:30						
13:45						
14:00						
14:15			Exhibitor Move-In (12:00pm - 5:00pm)			Offsite: PWC Plant Tour
14:30						
14:45						
15:00						
15:15						
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15:45						
16:00						
16:15						
16:30						
16:45						
17:00	CINDE AGM (5:00pm - 6:00pm)		Exhibitor Area Closed			
17:15						
17:30			Student Poster Setup			
17:45						
18:00			Mix 'n Mingle Pre-Conference Reception			
18:15			**6:30pm - Welcome Address**			
18:30						
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20:30			Exhibitor Area Closed			
20:45						
21:00						

# Conference Program - June 20, 2018

	Workshop/ Meeting Room	Office	Exhibit Area (Hall C1 & C2A)	Track 1 (Hall C3)	Track2 (Hall C4)	Pier 21 (Offsite)
8:00 - 8:30			Exhibit Area Closed	Breakfast Begins		
8:30 - 10:00				Breakfast, Welcome, and Keynote: Eric Sjerne  Eric Sjerne Sprint Robotics Collaborative		
10:00 - 10:30			AM Coffee Break	Track Rooms Closed		
				NDT Certification and Training	NDT Technologies/Methods	
10:30 - 11:00			Exhibitor Area Open	Additive Manufacturing: Calibration Standards? Douglas Whitely & Mohammadarmaan Bandi Canadian Institute for Non-destructive Evaluation (CINDE)	On the Relation of Residual Magnetization and Applied Stress at Stress Concentration Zone Dr. Thomas Krause  Royal Military College of Canada	
11:00 - 11:30				Updates from Canada's NRCan/CGSB National NDT Certification Body (NDTCB) Robert Skwirut	Monitoring Bridge Vibrations via Pedestrians and Mobile Sensing Dr. Ekin Ozer  Middle East Technical University	
11:30 - 12:00				Natural Resources Canada (NRCan) National NDT Certification Body (NDT CB)	Magnetic Barkhausen Noise Response to Temper Embrittlement of HY-80 Steel Aroba Saleem Royal Military College of Canada	
12:00 - 12:30				NDT In Service Inspection Training and Certification Aspects Alexander Tsougkranis TWI Canada	Track Room Closed	New technology for the detection and sizing of carburization damage in plant furnace tubes Dave Russell Russell NDE Systems Inc., and PICA Corp.
12:30 - 13:30			Lunch	Track Rooms Closed		
13:30 - 14:00						
14:00 - 15:00			Exhibitor Area Open	NSERC Create: Industry Research Advancement	Track room closed	
15:00 - 15:30			PM Coffee Break	Track Rooms Closed		
				Advances in Digital Radiography, Computed Tomography, and Automation	Eddy Current Technologies 1	
15:30 - 16:00			Exhibitor Area Open	Implementing Digital Radiography (DR) and automation in aerospace environment Lennart Schulenberg VisiConsult X-Ray Systems & Solutions	Pulsed Eddy Current: Improving Productivity Guy Fournier Eddyfi	
16:00 - 16:30				Accelerator-Based, Large Format Computed Tomography for Nondestructive Testing Andrew Good Jesse Garant Metrology Center	POD for Blind Detection of Cracks about Fasteners Without Fastener Removal Dr. Ross Underhill Royal Military College	
16:30 - 17:00				Automatic Etch Defect Detection by Deep Learning Xavier Maldague Universite Laval	Stress Corrosion Cracking Direct Assessment of Carbon Steel Pipeline using advanced Eddy Current Array Technology Joe Renaud Eddyfi	
17:15			Exhibitor Area Closed	Track Rooms Closed		
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Conference Banquet and Awards Dinner

Pier 21 Historic Site

## Conference Program - June 21, 2018

	Workshop / Meeting Room	Office	Exhibit Area (Hall C1 & C2A)	Track 1 (Hall C3)	Track2 (Hall C4)
8:00 - 8:30			Exhibit Area Closed	Breakfast Begins	
8:30 - 10:00				Breakfast Welcome and Keynote  Robert Skwirut Natural Resources Canada (NRCan) National NDT Certification Body (NDTCB)	
10:00 - 10:30			AM Coffee Break	Track Rooms Closed	
				Advances in Radiography and Computed Tomography	Emerging NDT Technologies/Methods
10:30 - 11:00			Exhibit Area Open	NDT 4.0: Digitization, robotics and automated evaluation (ADR) Lennart Schuilenberg VisiConsult X-Ray Systems & Solutions	Installed Inspection Sensors & Cloud-based Software for Continuous Monitoring and Advanced Analytics Thaer Al-Khoury Baker Hughes, a GE Company
11:00 - 11:30				Structural Mechanical Simulation on Voxel Data Roger Wende Volume Graphics, Inc.	A novel method for in-line cure Monitoring in closed tools Christian Pommer DFG German Research Foundation
11:30 - 12:00				Challenges of Transitioning from Film Radiography to Digital Modalities Clyde May VMI	Novel Imaging Techniques for Defects Characterization in Phased Array Inspection Philippe Rioux (Sonatest) Sonatest
12:00 - 12:30				Computer Radiography of the Murray Statue Nick Eleftherlou (Australian Institute for Non-destructive Testing) Nick Eleftherlou Australian Institute for Non-destructive Testing	The Standardization of Full Matrix Capture Calibration Michael Wright Acuren Scientific
12:30 - 14:00			Lunch	Track Rooms Closed	
				Research in MPI/FPI	Thermography
14:00 - 14:30			Exhibit Area Open	The Effect of Higher Harmonic Components on MPI Process Pavel Stanek Czech Technical University in Prague	Quantitative Thermography using Thermographic Signal Reconstruction® (TSR®) Maria Frendberg Beemer Thermal Wave Imaging, Inc.
14:30 - 15:00				Nickel Based Alloy Intergranular Attack (IGA)  Frederic Girard Pratt & Whitney Canada	Dynamic Frequency-Domain Photothermal Imaging Methodologies for Non-Destructive Evaluation of Industrial Materials: A Review of the State-of-the-Art Pantea Tavakolian University of Toronto
15:00 - 15:30			PM Coffee Break	Track Rooms Closed	
				Developments in Ultrasonics	Eddy Current Technologies 2
15:30 - 16:00			Exhibitor Area Closed	A new approach to air-coupled broadband measurement Effective testing of composite laminates by using a new multi-element transducer Andreas Bodi SONOTEC Ultraschallsensorik Halle GmbH	Flaw Detection Capabilities in Aerospace with Eddy Current Array Technology Jesse Herrin (Zetec)  Jesse Herrin Zetec
16:00 - 16:30				Alternative Ultrasound Inspection Techniques for Austenitic Stainless Steel Welds Philippe Rioux Sonatest	Heat Exchanger Tubing Inspection: Revolutionizing Asset Integrity Management Joe Renaud Eddyfi
16:30 - 17:00				Assessment of Non-Destructive Techniques for Evaluation of Temper Embrittlement in Large HY-80 Steel Castings Dr. Shannon P. Farrell Defence Research and Development Canada	Sidewall Embedded Electromagnetic Measurement of Matte Level in Pyrometallurgical Furnaces Aroba Saleem Royal Military College of Canada
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