

## HEAVY HAUL - Day 1 - Wednesday, September 2, 2020

Time	Presentation Title	Speaker	Job Title	Company
7:00am - 5:00pm	On-Site Registration for Heavy Haul			
7:00am - 8:00am	Breakfast in the ExpoZone for Heavy Haul			
8:00am - 8:20am	Welcome and Introductory Remarks			
	Moderator: Bob Tuzik			
8:20am - 8:50am	<b>Session 1:</b> Instrumented Revenue Vehicles for Heavy-Haul Track Defect Monitoring and in-train Force Validation	Rob Lambert	Sr. Business Manager, Institute of Railway Technology	Monash University, Institute of Railway Tech
9:10am - 9:40am	<b>Session 2:</b> InfoZone Session #1			
9:45am - 10:15am	<b>Session 3:</b> InfoZone Session #2			
10:15am - 10:45am	Coffee Break in the ExpoZone			
10:45am - 11:15am	<b>Session 4:</b> Investigation into a Broken Wheel Derailment	Rob Johnston	Manager, Railway / Pipeline Investigations Branch	Transportation Safety Board of Canada
11:30am - 12:00pm	<b>Session 5:</b> Using Modern Railroad Data Analytics to Minimize Mixed Manifest Train Incident Risk	Kyle Mulligan	Chief Mechanical Engineer	CP Rail
12:15pm - 1:15pm	LUNCH in the ExpoZone			
	Moderator: Kevin Oldknow			
1:15pm - 1:45pm	<b>Session 6:</b> Wheel Truing Technology Development and Innovation	David Davis Brandon Teal	President & Chief Operating Officer Product Manager - Wheel Truing and Reprofile Machines	Simmons Machine Tool Corporation Simmons Machine Tool Corporation
2:05pm - 2:35pm	<b>Session 7:</b> InfoZone Session #3			
2:40pm - 3:10pm	<b>Session 8:</b> InfoZone Session #4			
3:10pm - 3:40pm	Break in the ExpoZone			
3:40pm - 4:10pm	<b>Session 9:</b> Rail Milling in Heavy Haul Environments	Richard Stock	Milling Technology Manager	LINSINGER, Austria
4:25pm - 4:55pm	<b>Session 10:</b> Research into the Causes of Visually "Undetectable" Broken Spikes	Marcus Dersch Brad Kerchof	Principal Research Engineer Former Director of Research & Tests	University of Illinois (Retired) Norfolk Southern
5:05pm - 5:15pm	Closing remarks			
6:30pm - 9:00pm	Grand Buffet Reception			

\* After each session there will be questions and answers

## HEAVY HAUL - Day 2 - Thursday, September 3, 2020

Time	Presentation Title	Name	Job Title	Company
8:10am - 8:20am	Welcome and Introductory Remarks			
	Moderator: Richard Stock			
8:20am - 8:50am	<b>Session 11:</b> Monitoring and managing W/R interface forces in revenue operation of QNS&L	Yan Liu Dominique Sirois	Principal Researcher Principal Railroad Engineer	National Research Council of Canada Rio Tinto, QNS&L Railway
9:10am - 9:40am	<b>Session 12:</b> InfoZone Session #5			
9:45am - 10:15am	<b>Session 13:</b> InfoZone Session #6			
10:15am - 10:45am	Break in the ExpoZone			
10:45am - 11:15am	<b>Session 14:</b> Investigation by Vale S.A. into Truck Hunting and the Associated Damages to Truck Components and Heavy Haul Rolling Stock	Paul Bladon	VP - International Business	Wayside Inspection Devices Inc.
11:30am - 12:00pm	<b>Session 15:</b> The Role of Elasticity in Ballasted Tracks	Rudolf Schilder	Consultant	Advanced Rail Track Solutions
12:15pm - 1:15pm	LUNCH in the ExpoZone			
	Moderator: Norm Hooper			
1:15pm - 1:45pm	<b>Session 16:</b> Simulation, Testing, and Revenue Service Evaluations of Improved Frog Designs	Duane Otter	Scientist	Transportation Technology Center, Inc.
2:00pm - 2:30pm	<b>Session 17:</b> Real Results: Reduction of Train Accidents Based on the use of Friction Management	Leonardo Soares	Railway Engineering Manager	Rumo Logística S.A.
2:40pm - 3:15pm	Break in the ExpoZone			
3:15pm - 3:45pm	<b>Session 18:</b> Adverse High Rail Profiles	Brad Kerchof	Former Director of Research & Tests	(Retired) Norfolk Southern
4:00pm - 4:30pm	<b>Session 19:</b> Dynamic Simulation of Locomotive Derailments on Crossover Track	Daoxing Chen	Senior Engineer Specialist - Rail Dynamics	Transportation Safety Board of Canada
4:40pm - 4:50pm	Closing remarks			
4:50pm	InfoZone Raffle			
5:00pm - 6:00pm	End of the Line Party			

\* After each session there will be questions and answers