

Rail-Government Interface 2019
May 15, 2019
Ballroom C, Delta Hotel, Ottawa, ON

Agenda:

Time	Event	Location
11:30 – 12:30	Lunch and exhibits open	Ballroom C
12:30 – 1:10	Safe, Reliable, Efficient - This is TTCI Lisa Stabler, President, Transportation Technology Center, Inc.	Ballroom C
1:10 – 1:35	The impact of climate change on rail infrastructure Louis Gravel, President, Genesee & Wyoming Canada	Ballroom C
1:35 – 2:00	CN Technology & Innovation Michael Farkouh, Vice-President, Railroad and Network Technology Deployment, CN	Ballroom C
2:00 – 2:25	The Future of Supply Chain Management is Here - Are You Ready? Corrie Banks, Director Logistics, Cando Rail Services	Ballroom C
2:25 – 2:40	AskRail, Safety Tool for First Responders Andy Elkins, Manager HAZMAT Compliance, Association of American Railroads	Ballroom C
2:40 – 3:10	BREAK and exhibits	Ballroom C
3:10 – 3:35	Technology-driven Train Inspection Dr. Kyle Mulligan, Chief Engineer, CP	Ballroom C
3:35 – 4:00	Innovating to curb rail trespassing fatalities: using data, personal stories and partnerships Sarah Mayes, National Director, Operation Lifesaver	Ballroom C
4:00 – 4:25	Michael Morgan, Director, Rail Construction Program, City of Ottawa	Ballroom C
4:25 – 4:50	Corina Moore, President & CEO, Ontario Northland Transportation Commission	Ballroom C
4:50 – 5:00	Closing remarks and directions to the reception (top floor)	Ballroom C
5:00 – 7:00	Reception	Panorama Room (penthouse)

Exhibitors:

Company	Technology/Innovation to be exhibited
Ontario Northland Transportation Commission	<p>Unmanned aerial vehicles (UAV's), more commonly known as drones, allows for cost effective, up-close inspections on railway infrastructure that were previously too difficult to access. ONTC currently uses this technology for bridge and culvert inspections, ballast stockpile volume calculations, general track infrastructure review and investigation of areas that may pose a risk to track integrity, such as beaver activity, high water and other obstructions within the right of way. ONTC values safety and continuous improvement and the use of UAV technology is invaluable both presently and in to the future.</p>
CN	<p>CN will offer an exploration of their new cutting-edge automated inspection technology portals, which use advanced digital imagery and machine learning to inspect trains in real time — as they travel at full speed — and identify rail cars that need repair.</p> <p>CN has developed a patented innovative process to transform heavy crude oil, also known as bitumen in Canada, without refining, into solid pellets suitable for rail transport in open-topped gondola cars. The pellets do not leak or leach, are not flammable or explosive, do not create dust, and float on water. In a spill on land or in water they simply need to be picked up with no impact to our environment. At destination, the pellets can be converted back into liquid heavy crude oil with no alteration in quality. The solidification process uses recycled plastics which are recovered upon reliquification and can be reused in industrial applications or shipped back to be made into more CanaPux pellets.</p>
CP	<p>Specialized sensors beside rail lines and mounted on rail equipment are capturing terabytes of data every year. CP is applying this data to inform predictive maintenance months — and even years — in advance, enhancing safety and customer service.</p>

Cando Rail Services	Quasar allows Cando to build on its 40+ years of experience facilitating the safe, efficient movement of products across the entire supply chain for our customers. The full Quasar platform includes Yard Management, Car Storage, Shipment Visibility, Activity-Based Costing, Metrics and Analytics and Predictive and Prescriptive Analytics. The goal of the Quasar platform is to optimize your supply chain through cleaner, faster data acquisition and the creation of analytics that identify waste in your supply chain. The entire system is designed to enable you to get your goods to market at the lowest possible cost in the shortest possible timeframe.
Association of American Railroads	The #AskRail app, launched in 2014, is a collaborative effort among the emergency response community and all North American Class I railroads. The app provides more than 25,000 first responders — from all 50 states and eight Canadian provinces — with immediate access to accurate, timely data about what type of hazardous materials a railcar is carrying so they can make an informed decision about how to respond to a rail emergency.
Operation Lifesaver	Operation Lifesaver will be promoting two of its innovative virtual-reality (VR) campaigns, <i>Train to Drive</i> and <i>Look. Listen. Live.</i> , at its RGI booth. Participants will have the chance to test their driving and rail-safety skills in a VR environment through <i>Train to Drive</i> , a driver training program that requires users to make real-time decisions behind the “wheel.” Participants will also be able to experience OL’s <i>Look. Listen. Live.</i> VR videos — and “drive” an ATV or snowmobile, or take an illegal shortcut across the tracks on foot — to see for themselves how quickly and quietly a train can sneak up on them.
City of Ottawa	Ready for Rail - Light Rail Transportation Project