

**Transport Canada Rail Research Seminar Agenda in Association with RAC's Rail-Government Interface Day
Thursday, May 16, 2019**

Time	Topic	Speaker
8:00 – 8:30	Registration & Continental Breakfast	
8:30 – 8:40	Welcome & Introduction to Rail Research Seminar	John Coleman (Emcee)
8:40 – 9:00	Introduction to the Transport Canada Innovation Centre	Jim Lothrop - DG (TC-Innovation Centre) Deborah deGrasse - Chief, Rail and Air Research (TC-Innovation Centre)
9:00 – 9:20	New Innovations and Technologies	Marc Brazeau - President & CEO (RAC)
9:20 – 9:40	CaRRL and Tolerability Strategies for Rail Transport of Dangerous Goods	Renato Macciotta Pulisci (University of Alberta)
9:40 – 10:00	Railway Ground Hazard Research Program	Michael Hendry (University of Alberta)
10:00 – 10:15	Questions and Answers	
10:15 – 10:25	Health Break	
10:25 – 10:45	Technology Scan - Emerging Rail Inspection Technologies	Michael Roney (Iron Moustache)
10:45 – 11:05	Utilizing Instrumented Wheelset Technology for Improving Safety and Efficiency of Rail Transportation	Eric Magel (NRC)
11:05 – 11:25	Fibre Optic Sensing for Rail Stress Management	Merrina Zhang (NRC)
11:25 – 11:45	Fatigue Management in the Rail Industry	Jacqueline Booth (Rail Safety)
11:45 – 12:00	Questions and Answers	
12:00 – 1:00	Lunch Break	
1:00 – 1:20	Safety Culture in the Rail Industry	Brianna Cregan (Safety-Oriented Solutions)
1:20 – 1:40	Seasonal variation in level crossing accidents (2007 to 2017): What are the contributing factors?	Missy Rudin-Brown (TSB)
1:40 – 2:00	New and emerging technologies to improve safety and mobility at rail crossings	Garreth Rempel (TRAINFO)
2:00 – 2:20	Railway Crossing Application for Grade Crossing Inspections	Rob Storozuk (Sask. Ministry of Highways and Infrastructure)
2:20 – 2:35	Questions and Answers	
2:35 – 2:45	Health Break	
2:45 – 3:05	Tank Car Fire Performance Modelling	Alison Butko (TDG-TC)
3:05 – 3:25	Lignin Derived Drop-in Renewable Diesel for Rail Application	Jacques Monnier (NRCan)
3:25 – 3:45	Freeze Thaw Impact on Track Performance	Alireza Roghani (NRC)
3:45 – 4:05	The Future of Railway Geohazard Asset Management	Matt Lato (BGC)
4:05 – 4:20	Questions and Answers	
4:20 – 4:30	Closing Remarks	Jim Lothrop/Deborah deGrasse