

Principles Course - Tuesday, May 18, 2021*

Time	Presentation Title	Name	Job Title	Company
7:00am - 7:50am	Breakfast and Registration			
8:00am - 8:15am	Welcome and Introductory Remarks	Gordon Bachinsky	Founder	Wheel Rail Seminars
8:15am - 8:25am	Introduction and Principles Course Overview	Kevin Oldknow	Organizing Chair and Program Director	Wheel Rail Seminars
8:25am - 9:00am	Session 1: Wheel-Rail Contact Mechanics	Kevin Oldknow	Director, School of Sustainable Energy Engineering	Simon Fraser University
9:15am - 9:50am	Session 2: Track Structures, Components and Geometry	Gary Wolf	President	Wolf Railway Consulting, LLC.
10:00am - 10:25am	Break in the ExpoZone			
10:25am - 11:00am	Session 3: Vehicle Types, Suspensions and Components	Elton Toma	Senior Engineer	NRC Canada
11:15am - 11:50am	Session 4: Vehicle-Track Interaction & Dynamics	Rob Caldwell	Senior Engineer	NRC Canada
12:00pm - 1:10pm	Lunch			
1:15pm - 1:50pm	Session 5: Wheel-Rail Damage Mechanisms	Richard Stock	Milling Technology Manager	LINSINGER
2:05pm - 2:40pm	Session 6: Vehicle-Track Measurement Technologies	Matthew Dick	Deputy Division Manager, Commercial Business Operations	ENSCO Rail, Inc.
2:50pm - 3:15pm	Break in the ExpoZone			
3:15pm - 3:50pm	Session 7: Maintaining the Optimized Wheel Rail Interface	Eric Magel	Principal Engineer	NRC Canada
4:05pm - 4:40pm	Session 8: Special trackwork in heavy haul: design, field testing and maintenance	Brad Kerchof	Former Director of Research & Tests	(Retired) Norfolk Southern
4:50pm - 5:00pm	Principles Course Recap			
5:00pm - 5:15pm	Closing remarks	Gordon Bachinsky	Founder	Wheel Rail Seminars
6:00pm - 7:30pm	Heavy Haul Welcome Reception			
6:00pm - 7:30pm	Heavy Haul Registration			

* After each session there will be questions and answers