

## Tuesday, May 1, 2018

7:00 - 8:00 AM

Registration/Breakfast in the ExpoZone

8:00 - 8:15 AM

Welcome and Introductory Remarks

Gordon Bachinsky, Founder - Wheel Rail Seminars

8:15 - 8:25 AM

Introduction and Principles Course Overview

### SESSION 1

8:25 - 9:10 AM

Wheel-Rail Contact Mechanics

Kevin Oldknow, President, Oldknow Consulting, Inc. – Associate Dean, Simon Fraser University

### SESSION 2

9:15 - 10:00 AM

Track Structures, Components and Geometry

Gary Wolf, President – Wolf Railway Consulting, LLC

10:00 - 10:25 AM - Break in the ExpoZone

### SESSION 3

10:25 - 11:10 AM

Vehicle Types, Suspensions and Components

Elton Toma, Senior Engineer – NRC, Canada

### SESSION 4

11:15 AM - 12:00 PM

Vehicle-Track Interaction & Dynamics

Eric Magel, Principal Engineer – NRC, Canada

12:00 - 1:00 PM - Lunch in the ExpoZone

1:05 - 1:15 PM

Morning Recap and Afternoon Overview

### SESSION 5

1:15 - 2:00 PM

Wheel-Rail Damage Mechanisms

Richard Stock, Milling Technology Manager – LINMAG

### SESSION 6

2:05 - 2:50 PM

Vehicle-Track Measurement Technologies

Matthew Dick, Deputy Division Manager, Product Business Operations – ENSCO, Inc.

2:50 - 3:15 PM - Break in the ExpoZone

### SESSION 7

3:15 - 4:00 PM

Vehicle-Track Modeling and Simulation

Ralph Schorr, Senior Product Development Engineer – Amsted Rail

### SESSION 8

4:05 - 4:50 PM

Derailment Investigation - a Case Study

Brad Kefchof, Director Research & Tests – Norfolk Southern

4:50 - 5:00 PM

Closing Remarks

Kevin Oldknow, President, Oldknow Consulting, Inc. – Associate Dean, Simon Fraser University,

### ADJOURN

4:00 - 7:00 PM - Heavy Haul Seminar Registration

6:00 - 7:30 PM - Heavy Haul Seminar Welcome Reception in the ExpoZone

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Go to:

[www.wheel-rail-seminars.com/pc-papers/](http://www.wheel-rail-seminars.com/pc-papers/)

Click the links to download any or all sessions  
from the seminar.

Sessions will be posted by 5/15/18

Questions? Email [brandon@wheel-rail-seminars.com](mailto:brandon@wheel-rail-seminars.com)

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# WRI 2018

# WRI 2018 PRINCIPLES

## COURSE AGENDA



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