

Wednesday, June 22, 2022

7:00 - 7:50 am

Registration / Breakfast in 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

Kevin Oldknow, Organizing Chair and Program Director—

Simon Fraser University

SESSION 1

8:25 - 9:00 AM

Introduction to Wheel / Rail Contact Mechanics

Eric Magel, Principal Engineer—NRC, Canada

SESSION 2

9:15 - 9:50 AM

Track Structures and Components

Gary Wolf, President—Wolf Railway Consulting, LLC

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

SESSION 3

10:25 - 11:00 AM

Vehicle Types, Suspensions and Components

Elton Toma, Senior Engineer—NRC, Canada

SESSION 4

11:15 - 11:50 AM

Vehicle-Track Interaction & Dynamics

Rob Caldwell, Senior Engineer—NRC, Canada

12:00 - 1:10 PM - Lunch in ExpoZone

SESSION 5

1:15 - 1:50 PM

Fundamentals of Wheel-Rail Noise and Vibration

Briony Croft, Associate Consultant—Acoustic Studio

SESSION 6

2:05 - 2:40 PM

Wheel / Rail Damage Mechanisms

Richard Stock, Global Head of Rail Solutions—

Plasser & Theurer

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

SESSION 7

3:15 - 3:50 PM

Principles of Wheel Rail Friction Management

Jon Paragreen, Head of Applications, Europe—

Rail Technologies Corp.

SESSION 8

4:05 - 4:40 PM

Vehicle / Track Measurement Technologies

Matthew Dick, Deputy Division Manager, Commercial

Business Operations—ENSCO Rail, Inc.

4:50 - 5:00 PM

Principles Course Recap

Kevin Oldknow, Organizing Chair and Program Director—

Simon Fraser University

5:00 - 5:15 PM

Closing Remarks

Gordon Bachinsky, Founder—Wheel Rail Seminars

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

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

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