

Wednesday, October 20, 2021

7:00 - 8:00 AM

Registration / Breakfast in ExpoZone

8:00 - 8:20 AM

Welcome and Introductory Remarks

Gordon Bachinsky, Founder - Wheel Rail Seminars

SESSION 1

8:20 - 8:50 AM

The Benefits of Applying the AAR 2A Profile to Locomotive Wheels

Walter Rosenberger, Scientist, Engineering Services—Transportation Technology Center, Inc.

9:00 - 9:10 AM - To InfoZones



SESSION 2

9:10 - 9:40 AM: InfoZone 1

SESSION 3

9:45 - 10:15 AM: InfoZone 2

10:15 - 10:45 AM - Break in ExpoZone

SESSION 4

10:45 - 11:15 AM

Using Modern Railroad Data Analytics to Minimize Mixed Manifest Train Incident Risk

Kyle Mulligan, Chief Mechanical Engineer—CP Rail

SESSION 5

11:30 AM - 12:00 PM

Integrated Rail Maintenance for Maximizing Rail and Track Life

Richard Stock, Global Head of Rail Solutions—Plasser & Theurer

12:15 - 1:15 PM - Lunch in ExpoZone

SESSION 6

1:15 - 1:45 PM

Wheel Truing Technology Development & Innovation

Brandon Teal, Product Manager—NSH USA Corporation

1:55 - 2:05 pm - To InfoZones



SESSION 7

2:05 - 2:35 PM: InfoZone 3

SESSION 8

2:40 - 3:10 PM: InfoZone 4

3:10 - 3:40 PM - Break in ExpoZone

SESSION 9

3:40 - 4:10 PM

Research into the Causes of Visually “Undetectable” Broken Spikes

Marcus Dersch, Principal Research Engineer—University of Illinois
Brad Kerchof, Former Director of Research & Tests—(Retired) Norfolk Southern

SESSION 10

4:25 - 4:55 PM

Instrumented Revenue Vehicles for Heavy-Haul Track Defect Monitoring and In-Train Force Validation

Rob Lambert, Senior Business Manager—Monash University, Institute of Railway Technology

5:05 - 5:15 PM

Day 1 - Closing Remarks

6:00 - 8:30 PM

Grand Buffet Reception

Sponsored by
Advanced Rail Management Corp.



InfoZone Presentations by:

- Linsinger
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Thursday, October 21, 2021

7:00 - 8:00 AM

Registration / Breakfast in ExpoZone

8:10 - 8:20 AM

Welcome and Introductory Remarks

Gordon Bachinsky, Founder - Wheel Rail Seminars

SESSION 11

8:20 - 8:50 AM

The Role of Elasticity in Ballasted Tracks

Rudolf Schilder, Consultant—Advanced Rail Track Solutions

9:00 - 10:15 AM - Break in ExpoZone

SESSION 12

10:15 - 10:45 AM

Efficient and Effective Grinding through Infinite Pattern Control

Brian Barthel, Manager, Data Science—Loram Technologies, Inc.

SESSION 13

11:00 - 11:30 AM

How CSX Designed Optimal Rail Profile for Economics and Risk

Dan Hampton, Manager, Contract Services—CSX
Wesley Thomas, Senior Vice President & General Manager, Rail—Sentient Science

11:30 AM - 12:45 PM - Lunch in ExpoZone

SESSION 14

12:45 - 1:15 PM

Monitoring and Managing W/R Interface Forces in Revenue Operation of QNS&L

Yan Liu, Principal Researcher—NRC, Canada
Albert Wahba, Program Leader—NRC, Canada
Dominique Sirois, Principal Railroad Engineer—Rio Tinto, QNS&L Railway

SESSION 15

1:30 - 2:00 PM

The Relevance of a Defect-Free Rail Condition After Rail Maintenance on Heavy Haul Tracks

Wilhelm Kubin, Deputy, Technical Head, Tool Dept.—Linsinger
Johannes Hainbacher, International Sr. Sales Manager—Linsinger

2:15 - 2:45 PM - Break in ExpoZone

SESSION 16

2:45 - 3:15 PM

Adverse High Rail Profiles

Brad Kerchof, Former Director, Research & Tests (Retired)—Norfolk Southern

SESSION 17

3:30 PM - 4:00 PM

Dynamic Simulation of Locomotive Derailments on Crossover Track

Daoxing Chen, Senior Engineer Specialist - Rail Dynamics—Transportation Safety Board of Canada

SESSION 18

4:15 PM - 4:45 PM

Investigation by VLI S.A. of the Lateral Running Position of Wheelsets and the Symptomatic Damage to Wheelsets

Paul Bladon, VP - International Business—Wayside Inspection Devices Inc.

5:00 - 5:15 PM

Closing Remarks

Gordon Bachinsky, Founder - Wheel Rail Seminars

5:15 PM

InfoZone Raffle (must be present to win)

5:30 - 7:00 PM

End of the Line Reception

Sponsored by WRI '22, Vancouver, June 21-24, 2022

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The Journal of Wheel/Rail Interaction
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