

## Thursday, June 23, 2022

7:00 - 7:50 AM

Registration / Breakfast in ExpoZone

8:00 - 8:20 AM

Welcome and Introductory Remarks

Moderator: Bob Tuzik

### SESSION 1

8:20 - 8:50 AM

Can Autonomous Track Geometry Inspection Replace Traditional Manual Track Inspection? An Industry Update

Brad Kerchof, Senior Technical Consultant—Advanced Rail Management Corp.

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

Interactions Between Wheel and Rail Hardness, Wear, RCF and Maintenance (Perceptions and Realities)

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

### SESSION 5

11:30 AM - 12:00 PM

Mitigating Track Buckling from Heavy Train Braking using Automated Alerts

Kyle Mulligan, Chief Mechanical Engineer—CP Rail

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

### SESSION 6

1:15 - 1:45 PM

State of the Art / Recent Developments in Friction Management Consumables (GF and TOR)

Louisa Stanlake, Global Product Manager—L.B. Foster Rail Technologies, Corp.

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

Charting the Relationship Between Asymmetric Wear and Hollow-Worn Wheels

Ulrich Spangenberg, Principal Investigator—TTCI

### SESSION 10

4:25 - 4:55 PM

Remote Condition Monitoring of Track Assets

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

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## Friday, June 24, 2022

7:00 - 8:00 AM

Registration / Breakfast in ExpoZone

8:10 - 8:20 AM

Welcome and Introductory Remarks

Moderator: Richard Stock

### SESSION 11

8:20 - 8:50 AM

Wear and Contact Fatigue Model for Rail

Joe Kalousek, Principal Research Officer (retired)—NRC, Canada

9:00 - 9:10 AM - To InfoZones



### SESSION 12

9:10 - 9:40 AM: InfoZone 5

### SESSION 13

9:45 - 10:15 AM: InfoZone 6

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

### SESSION 14

10:45 - 11:15 AM

Update on CSX Rail Life Extension Initiatives

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

### SESSION 15

11:30 AM - 12:00 PM

Learnings from 20 Years of Canadian Track-Caused Derailment Investigations

Michael Roney, Consultant—Iron Moustache  
Brent Laing, Laing Railway Consulting

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

Moderator: Kevin Oldknow

### SESSION 16

1:15 - 1:45 PM

Effects of Precision Scheduled Railroading (PSR) on Derailment Risk

Gary Wolf, President—Wolf Railway Consulting, LLC

2:00 - 2:30 pm - Break in ExpoZone

### SESSION 17

2:30 - 3:00 PM

The Role of Human Factors in Inspection Errors / Failures in the Railway Industry

Randy Jensen, Principal, Atticus Consulting Group  
Daniel Smilek, Principal, Atticus Consulting Group

### SESSION 18

3:45 - 4:15 PM

RBM Frogs: Design Features, Field Testing & Maintenance

Brad Kerchof, Senior Technical Consultant—Advanced Rail Management Corp.

4:30 - 4:40 PM

Closing Remarks

Gordon Bachinsky, Founder - Wheel Rail Seminars

4:45 PM

InfoZone Raffle (must be present to win)

5:00 - 6:30 PM

End of the Line Reception

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# WRI 2022

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