

## Wednesday, May 20, 2015

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7:00 - 8:00AM

Registration/Continental Breakfast in the ExpoZone

7:40 - 7:55AM

Welcome and Introductory Remarks

### SESSION 1

7:55 - 8:35AM

**The Effects of Top of Rail Materials and Rail Grinding on Head Hardened Rail**

Nick Dryer, MRP, Rail Friction Management – BNSF Railway

Mark Richards, Research Metallurgist –

EVRAZ North America

### SESSION 2

8:40 - 9:20AM

**Origins, Causes, and Prevention of Wide Gauge Derailments**

Gary Wolf, President – Wolf Railway Consulting, LLC.

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9:20 - 9:30AM - Break in ExpoZone, Then to InfoZone



**InfoZone 1: 9:30 - 9:55AM**

**InfoZone 2: 10:00 - 10:25AM**

### SESSION 3

10:30 - 11:10AM

**Rail Asset Management for the Non-Railroader**

Norm Hooper, Principal – Hooper Engineering

### SESSION 4

11:15 AM - 12:05PM

**Wheel Climb Risk at Turnouts**

Dr. Allan M Zarembski, PE, Research Prof. & Dir. Railroad Engineering & Safety Program – Univ. of Delaware

**Development of Switch Point Inspection Gauges to Reduce Wheel Climb Derailments**

Brad Kerchof, Director Research & Tests –

Norfolk Southern

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12:05 - 1:15PM - Lunch in the ExpoZone

### SESSION 5

1:15 - 1:55PM

**Manganese Steel Cup Liners for 125-Ton Truck Bolster Bowls in Articulated Well Cars**

Jon Jeambey, Director R&D – TTX Company

### SESSION 6

2:00 - 2:40PM

**Improving Hot Weather Speed Restrictions: When Do We Need Them?**

Dr. Andrew Kish, President –

Kandrew Inc. Consulting Services

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2:40 - 2:50PM - To InfoZones



**InfoZone 3: 2:50 - 3:15 PM**

**InfoZone 4: 3:20 - 3:45 PM**

## PANEL DISCUSSION

### SESSION 7

3:50 - 5:30PM

**Managing Big Data: How to Get More Useful Information from Data**

**Moderator:** Dr. Allan M Zarembski, PE, Research Prof. & Dir. Railroad Eng. & Safety Program – Univ. of Delaware

**Panelists:**

Larry Biess, Director, Business Intelligence – CSX

Joseph W. Palese, Sr. Dir. Engineering – Harsco Rail

Prof. Nii Attoh-Okun – University of Delaware

Kevin Day, Assistant Chief Engineer, Technology, Testing and Standards – Canadian National Railway

6:30 - 8:30PM –  
**Grand Buffet Reception  
Marriott Marquis Hotel**

Hosted by ARM Corp. &  
International Engineering



## Thursday, May 21, 2015

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7:00 - 7:50AM

Registration/Continental Breakfast in ExpoZone

7:50 - 8:00AM

Welcome and Introductory Remarks

### SESSION 8

8:00 - 8:40AM

**Machine Vision: A Closer Look**

Kim Bowling, Director Advanced Engineering – CSX

Kambiz Nayebi, CEO – Beena Vision Systems, Inc.

### SESSION 9

8:45 - 9:25AM

**The Effect of Train Mounted TOR-FM on Wheel Life and Defects**

John Peters, Manager of Operating Systems and Technology – Union Pacific Rail Road

David Elvidge, Principal Development Engineer –

L.B. Foster Company

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9:25 - 9:40AM - Break in ExpoZone, Then To InfoZone



**InfoZone 5: 9:40 - 10:05AM**

**InfoZone 6: 10:10 - 10:35AM**

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10:35 - 10:45AM - Break in ExpoZone

### SESSION 10

10:45 - 11:25AM

**How Increased Loads Affect Rail Welds / Potential Flash Butt Weld Improvements**

Rich Kral, Engineering Manager, R&D – Holland LP

### SESSION 11

11:30AM - 12:10PM

**Addressing Track Modulus at Bridge / Track Transition Zones**

Thomas L. Bourgonje, Regional Chief Engineer – Southern Region – Canadian National Railway

Darrell Cantrel, VP Engineering – Cantrell Rail Services/  
Amsted RPS

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12:10 - 1:20PM - Lunch in the ExpoZone

### SESSION 12

1:20 - 2:00PM

**Validation of Rail Crack Measurement Devices on NS**

Brad Kerchof, Director Research & Tests – Norfolk Southern

### SESSION 13

2:05 - 2:45PM

**Quantifying Rail Surface Fatigue with Electromagnetic Walking Sticks**

Eric E. Magel, P.Eng., – NRC, Canada

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2:45 - 3:05PM - Break in ExpoZone

### SESSION 14

3:05 - 3:45PM

**In-Train Dynamics of Freight Car Cushioning**

John F. Deppen, Director Engineering, End-of-Car Systems – Amsted Rail

### SESSION 15

3:50 - 4:30PM

**Challenges of Handling Multilevels and Other Long Cushion-Equipped Cars**

G. Walter Rosenberger, Operations Engineer – Norfolk Southern

### SESSION 16

4:35 - 5:00PM

**Correcting Adverse High Rail Profiles to Promote Desirable Wheel Contact and Rail Stability**

Brad Kerchof, Director Research & Tests – Norfolk Southern

### CLOSING REMARKS

5:00 - 5:30PM

Closing Remarks/InfoZone Raffle

### ADJOURN

5:30PM

## INFOZONE PARTNERS

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MAY 20 - 21  
2015

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