

**Tuesday, May 8, 2012**

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**7:00 - 8:00 am**

**Continental Breakfast/ExpoZone**

**8:00 - 8:10 am**

**Welcome and Introductory Remarks**

Jay Monaco - Vice President Engineering,  
Amsted Rail Company, Inc.

**SESSION 1**

**8:10 - 8:50 am**

**Roller Bearing Basics and  
Wheel Rail Interface Considerations**

Paul Hubbard - Director of Engineering, Bearings,  
Amsted Rail Company, Inc.

**SESSION 2**

**8:55 - 9:35 am**

**Truck System Function and Performance**

Nathan Reese - Director, Truck Systems Engineering,  
Amsted Rail Company, Inc.

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**9:40 - 10:15 am - Refreshment Break & ExpoZone**

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**SESSION 3**

**10:15 - 10:55 am**

**Railroad Wheel Design Considerations, Service Defects  
and Failure Modes**

Cameron Lonsdale - VP R&D, Griffin Wheel/Amsted

**SESSION 4**

**11:00 - 11:40 am**

**Condition Monitoring & Maintenance**

Brent Wilson - Director - R&D, Amsted Rail Company, Inc.

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**11:45 - 1:15 pm - Luncheon & ExpoZone**

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**SESSION 5**

**1:15 - 1:55 pm**

**Detecting and Sizing Defects in Railroad Track Using  
the Ultrasonic and Induction Test Methods**

George Quinn - Corporate NDT Level III, Sperry Rail Service

**SESSION 6**

**2:00 - 2:40 pm**

**Basics of Distributed Power**

David Peltz - Chief, Advanced Technology, GE Transportation

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**2:45 - 3:15 pm - Refreshment Break & ExpoZone:**

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**SESSION 7**

**3:20 - 4:00 pm**

**Rail Stability**

Matt Dick - Staff Technical Manager, Ensco, Inc.

**SESSION 8**

**4:05 - 4:45 pm**

**Principles of Thermit Welding**

Frik Hefer - Director R&D/Quality, Orgo-Thermit

**SESSION 9**

**4:50 - 5:20 pm**

**Basics of Rail Metallurgy and Rail Production**

Richard Stock - Manager, Technical Customer Services,  
voestalpine Schienen GmbH

**ADJOURN**

**5:30 pm**

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**6:00 - 7:30 pm - Heavy Haul Welcome Reception  
in ExpoZone**

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The Journal of Wheel/Rail Interaction  
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