

Principles Course Instructors

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President
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Rail Sciences Inc.

Hans Iwand

Vice President
Rail Sciences Inc.

PRINCIPLES OF WHEEL/RAIL INTERACTION

Welcome to Principles of Wheel/Rail Interaction '08

This Professional Development course was developed in conjunction with Wheel/Rail Interaction Seminars to provide a cross-disciplinary perspective on primary elements of wheel/rail, vehicle/track interaction. Drawing from both theory and practical application, the course will cover all of the elements that are required to promote a more complete understanding of vehicle/track dynamics and wheel/rail interaction. The goal of this examination is to promote a better understanding of the dynamic forces at work in wheel/rail interaction.

Monday May 5, 2008

PRINCIPLES OF WHEEL/RAIL INTERACTION COURSE

7:00 am – 7:50 am	Registration and Continental Breakfast
7:50 am – 8:00 am	Introductory Remarks Gordon Bachinsky , <i>President, Advanced Rail Management Corp.</i> Bob Tuzik , Editor, <i>Interface Journal</i>
8:00 am – 9:15 am	Session 1 Wheel/Rail Metallurgy and Material Property Issues in the Heavy Haul Environment Hans Iwand , <i>Vice President, Rail Sciences Inc.</i>
9:15 am – 9:30 am	Refreshment Break
9:30 am – 10:45 am	Session 2 Wheel and Rail Defects: Types and Propagation Modes Scott Cummings , <i>Senior Engineer,</i> <i>Transportation Technology Center, Inc.</i> George Martens , <i>Ultrasonic Technology Development,</i> <i>Herzog Services, Inc.</i>
10:45 am – 11:15 am	Refreshment Break
11:15 am – 12:30pm	Session 3 Wheel/Rail and Vehicle/Track Measurement Systems Ryan McWilliams , <i>Vice President Technology and Business</i> <i>Development, Salient Systems, Inc.</i> Gordon Bachinsky , <i>President, Advanced Rail Management Corp.;</i>
12:30pm – 1:45pm	Lunch
1:45 pm – 3:00 pm	Session 4 Lubrication / Friction Management Don Eadie , <i>Vice President,</i> <i>Technology and Commercialization, Kelsan Technologies</i>
3:00 pm – 3:30 pm	Refreshment Break
3:30 pm – 4:45 pm	Session 5 Track Geometry and its Effect on Derailment Potential Gary Wolf , <i>President, Rail Sciences Inc.</i>
4:45 pm	Adjourn
6:00 pm – 8:00 pm	Reception

**Principles Course
Download Instructions**

Go to:

www.arm-corp.com/pri2008

Click the links to download any
or all sessions from the course.

Sessions will be posted by 5/19/08

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