

Principles Course Instructors

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Rail Sciences Inc.

PRINCIPLES OF WHEEL/RAIL INTERACTION

Welcome to Principles of Wheel/Rail Interaction '07

This Professional Development course was developed in conjunction with Advanced Rail Management / *Interface Journal's* 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 7, 2007

PRINCIPLES OF WHEEL/RAIL INTERACTION COURSE

7:00 am – 7:50 am	Registration and Continental Breakfast
7:50 am – 8:00 am	Introductory Remarks Bob Tuzik, Publisher, <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, Vice President, Rail Sciences Inc.
9:15 am – 10:30 am	Session 2 Wheel/Rail Component Failure Modes Gary Wolf, President, Rail Sciences Inc.
10:30 am – 10:45 am	Refreshment Break
10:45 am – 12:00pm	Session 3 Effects of Track Geometry on Derailment Potential Gary Wolf, President, Rail Sciences Inc.
12:00pm – 1:00pm	Lunch
1:00 pm – 2:15 pm	Session 4 Wheel/Rail Profile Design Considerations Roy Smith, President, RESCO Engineering
2:15 pm – 2:30 pm	Refreshment Break
2:30 pm – 3:45 pm	Session 5 Rail Grinding and Wheel Truing Gordon Bachinsky, President, Advanced Rail Management Corp.
3:45 pm – 5:00 pm	Session 6 Lubrication / Friction Management Don Eadie, Vice President, Technology and Commercialization, Kelsan Technologies
5:00 pm	Adjourn
6:00 pm – 8:00 pm	Reception

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