



# Colorado Section

## Meeting Notice

**Date:** Thursday, October 15, 2015

**Time:** Social: 6:00 PM  
Dinner: 6:30 PM  
Speaker: 7:00 PM

**Topic:** Eddy Current Monitoring of “The Effects of Top of Rail Materials and Rail Grinding on Head Hardened Rail”

**Speaker:** Dr. Mark Richards, Research Metallurgist at EVRAZ North America-Pueblo. Dr. Richards is a research metallurgist at EVRAZ North America in the Long Products Division, focusing on product development and process improvement efforts for rail and rod/bar products. Mark received his B.Sc. and Ph.D. in Metallurgical Engineering from the Colorado School of Mines. Mark was awarded the distinguished American Iron and Steel Institute Medal for 2013 for his Ph.D. research. Previous to joining EVRAZ, Mark performed research at the National Institute of Standards and Technology in Boulder, CO as part of a National Research Council fellowship.

**Abstract:** Dr. Richards will present an overview of studies performed on materials used in top of rail lubrication and their influence on rolling contact fatigue (RCF) using a twin disc laboratory tribometer. Mark will present results of RCF initiation and growth as monitored using an eddy current approach.

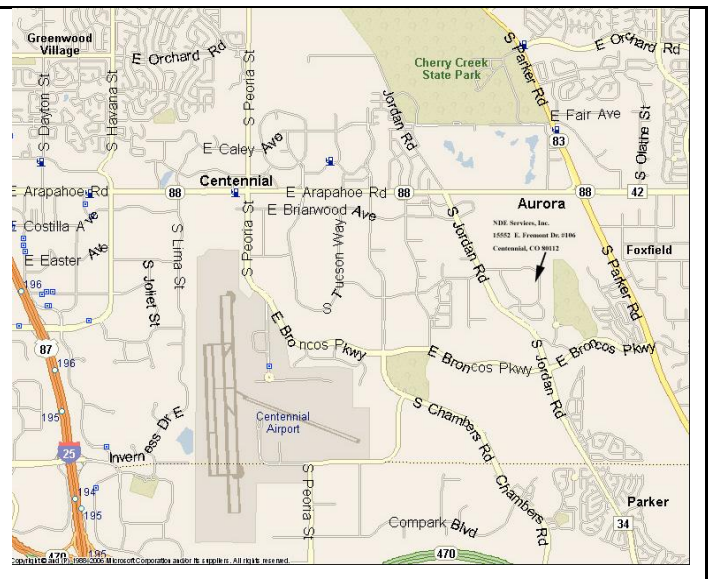
**Dinner Menu:** PIZZA again???? Maybe we'll surprise you! Maybe....

### Location:

NDE Services, Inc.  
15552 E. Fremont Dr., Unit A106,  
Centennial, CO 80112  
(303) 741-0518

### Directions:

From I-25, go east on Arapahoe Rd about 3 miles to S Jordan Rd. Turn right (south) on S Jordan Rd for about a mile to E Fremont Dr. Turn left on E Fremont Dr. NDE Services is about a half mile on the right.



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