

# Northwest Indiana Business Roundtable

## 2005 Reliability Seminar



The seminar will be on **Thursday, October 27, 2005** at the Construction Advancement Foundation (CAF) located at 6050 Southport Road, Portage, Indiana. Seminar check-in and ‘at the door’ registration begins at **7:15 AM.**, **Kickoff at 7:45AM.**

There will be seven speakers on topics of interest to all. Lunch is included in the \$10.00 admission; pre-registration is preferred. Please call Ken Tillich at (219)-477-6274 for more information.



**7:55 – 8:50 “Resolving EOT Crane Skew Problems”** Tom Lindstrum, Morris Material Handling (P&H), will discuss crane skew and the damage that results. He will review a simplified approach to the problem and show some detailed methods to economically & successfully resolve the crane skew problem.



**12:30 – 1:25 “Relay Coordination to Improve Reliability”** Tom Machacek, Cornerstone Electrical, and Jim Buff, Schweitzer Engineering, will discuss power system protective relay coordination & schemes to improve system reliability. They will not only cover the basics, but testing requirements and data management.

Many examples are covered as well.



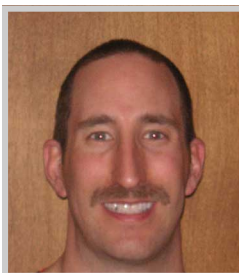
**8:55 – 9:50 “Evolution of Vibration Monitoring”** Daniel Barnum, Mittal Steel, will discuss the evolution of vibration monitoring at the Indiana Harbor plant. He will cover technology & application from simple handheld meters, thru route based collection, and the current integration of

online systems into their plant wide “machine health” system.



**1:35 – 2:30 “Unplanned Breakdowns with Unwelcome Consequences”** Karl Koenig P.E., Rimkus Consulting, will present a variety of equipment failure case histories. He will cover their immediate impact to the system and follow the failure thru review the root cause failure analysis

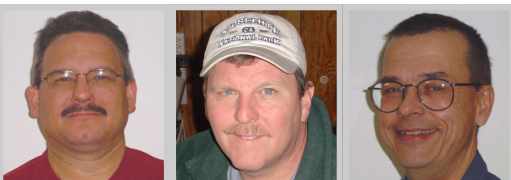
and the remedial measures for each.



**10:05 – 11:00 “Case Studies In Vibration Analysis”** Steven Pierzchalski, U.S. Steel Gary Works will present several case histories in vibration analysis. Case history topics will include rolling mill chatter, motor current analysis and identification of bearing defects.



**2:35 – 3:30 “Measurement Basics”** Mike Falk, Falk-PLI, will go back to the basics of measurement technologies and talk about measurement tools and systems that are available today: simple and basic methods thru modern laser based tools. Each has its place and Mike will show when and where to apply each.



**11:05 – 12:00 “Measurement Techniques to Reduce Piping**

**Costs”** Dave Danko, Tom Reader, & Tony Paunicka, BP (Whiting), will discuss their improved measurement procedures, practices, and tools which lead to great savings when replacing piping. “It fits right the first time!”

### NWIBRT Web Links—

Home Page: <http://www.nwibr.org>  
Reliability Standards: <http://www.nwibr.org/stanspec.htm>  
Membership Info: <http://www.nwibr.org/joinus.htm>

### Other Reliability Links—

M & R Professionals: <http://www.smrp.org>  
Reliability Web: <http://www.reliabilityweb.com>  
Vibration Institute: <http://www.vibinst.org>  
Trib. & Lube Engineers: <http://www.stle.org>  
Iron & Steel Tech: <http://www.aist.org>