

# Northwest Indiana Business Roundtable

## 2008 Reliability Seminar



The seminar will be on Thursday, October 23, 2008 at the U.S. Steel Midwest Training Center located close to Rt. 12 & Rt. 249 in Portage, Indiana. Seminar check-in and refreshments begin at 7:00 AM., Kickoff at 7:30 AM.

Details on the 5 presentations and panel discussion are below. Reliability vendor exhibits and a 23 minute time lapse 500 MW turbine rebuild round out the seminar. Lunch and refreshments are included. *Pre-registered/Prepaid \$15. At the door \$25 and as seating permits.* Please call Joe Roorda at (219)-956-5229 for more info. Registration information and form are on reverse side.



**Vibration & PdM Case Histories -** Bob Miller, IVC Technologies, touches on many of the primary PdM monitoring technologies as he presents a number of case histories on rotating and stationary equipment. Bob will show that often it takes the right mix of companion PdM technologies to yield more accurate, timely, and cost effective results.



**Electronic and Electrical Obsolescence Part 2-** Mike Masleid, ArcelorMittal, is back by popular demand after his electronic failures talk of 2006. Mike will continue with electronic equipment failure mechanisms relating to design, environment, and operating conditions using real world examples. The goal is to understand and mitigate electronic failure.



**Centrifugal Pump Troubleshooting Tools & Techniques Part 2 -** Colleen Reeves, Dubric Industries, expands on her 2007 pump presentation with more tools and techniques to put into your centrifugal pump "toolbox" aiming at improve pump life and reliability. A multidimensional case study with "cavitation" symptoms will be covered.



**Gearbox Maintenance and Reconditioning -** Tom Ryan and Bill Davis, Xtek, will touch on different gearbox styles, designs, and applications however their focus will be on appropriate maintenance practices, monitoring, and reconditioning of industrial gear drive systems



**Hydraulic Piping System Commissioning -** John Augustinovich, Eagle Services, will address the topic of cleaning hydraulic piping systems in new installations and after repairs, an often neglected or misunderstood step. John will discuss the merits and methods to prep for and isolate the repairs, flush, and clean a system to appropriate standards before use.



**Reliability Programs: A Panel Discussion -** Chuck Koistra, General Physics, will lead representatives from ArcelorMittal, BP, NIPSCO, Sisters of St. Francis, and U.S. Steel in a discussion focused on current reliability methods and ongoing direction to improve uptime and lower the maintenance costs of their respective facilities and corporations. Have your questions ready!

7:30	Welcome and Introductions
7:55	Vibration & PdM Case Histories
8:55	Morning Break, Exhibits
9:15	Centrifugal Pump Troubleshooting Tools Part 2
10:20	Hydraulic Piping System Commissioning
11:05	Lunch, Exhibits, 23 Minute TurboGen Rebuild
11:50	Electrical and Electronic Obsolescence
12:40	Gearbox Maintenance and Reconditioning
1:25	Afternoon Break, Exhibits
1:55	Reliability Programs Panel Discussion
3:30	Adjourn

### NWIBRT Web Links—

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

### Other Reliability Links—

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

*The vendor booths will be available throughout the day... Stop in, take a look, see what they can do for you...*

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## Reliability Seminar, October 23, 2008

**Pre-registration/Pre-payment Deadline: October 16, 2008**

Company Name: \_\_\_\_\_

Names of Participants:

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Total Fee: Participants X \$15.00 = \_\_\_\_\_

Please submit form and payment to:

NWIBRT  
4111 Franklin Street, Suite B  
Michigan City, Indiana 46360

For additional registration and payment details please call Jennie or Tim at 219-873-2507.

