



# Get Caught Looking



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## **Dragan Bogunovic**

*Mining Engineer*

*North American Coal Corp., Liberty Miner, Bailey, MS*

### **“Integrated Production Management System – Step Further”**

Significant effort has been made to develop an Integrated Data Environment for Analysis and Control of Energy (IDE-ACE) consumption in surface coal mining. The system is integrated in the mine environment and has been successfully used during the past three years. The capacity of the system has been expended and today it not only provides the analysis of the fuel consumption, but also delivers multiple reports that identify bottle necks in the production or maintenance departments. Advanced Integrated Production Management System (IPMS) unifies multi data streams (from a crew line-up to equipment availability reports) into a user-friendly application.

IPMS has been thoroughly tested and validated using data streams from one mine site. Based on this success, the IPMS will be implemented at NACOAL’s greenfield project in South East Mississippi.

Dragan Bogunovic received his Ph.D. degree in Mining Engineering from the Pennsylvania State University in 2008. BS and MS degrees he received from the University of Belgrade in 2002 and 2005 respectively. With over 10 years of experience in industry and academia Dr. Bogunovic is working with North American Coal Corporation. His current focus is implementation of new technologies and better utilization of existing data resources in surface coal mining



**Tuesday, May 14, 2013, 9:00am MDT (11:00am EDT)**

**\$45 SME Member · \$90 Nonmember**

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