

BLAST VIBRATION

w o r k s h o p

APRIL 22ND & 23RD, 2020

“A not-to-be-missed opportunity to understand SIGNATURE HOLE ANALYSIS and how to apply it in the field”

COURSE 1 April 22ND

SIGNATURE HOLE THEORY AND APPLICATION

- Introduction to blast vibrations
- Effects of blast vibrations on residents and residential structures
- History of blast vibration studies
- Background of signature hole analysis
- Signature hole methodologies
- Generating the signature waveform
- Pros and cons of signature hole variants
- Using signature hole vibrations to design blasts

COURSE 2 April 23RD

PROCESSING SIGNATURE HOLE DATA AND PROVIDING RESULTS

- Training on the application of signature hole software
- Practical execution of signature analysis using real world case studies
- Interpreting results to generate useful data and recommendations
- Includes a one year license of Dyno42 vibration software

PRICING

EARLY BIRD BEFORE MARCH 1ST, 2020

- COURSE 1 \$800/person
- COURSE 2 \$1,850/person
- BOTH \$2,500/person

REGULAR MARCH 1ST, 2020, OR LATER

- COURSE 1 \$950/person
- COURSE 2 \$2,000/person
- BOTH \$2,800/person

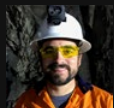


- Dyno42 Vibration Software, a \$1,500 value, is included in the price of Course 2 (one year license).



WORKSHOP INSTRUCTORS

Nathan Rouse – Principal Consultant



Nathan Rouse earned his BS in Mining Engineering ('09), MS in Explosives Engineering ('10), and PhD in Mining and Explosives Engineering ('15) from the University of Missouri-Rolla/Missouri S&T. He is a licensed blaster in Kentucky and Missouri and a Professional Engineer in KY, OH, VA, SD, TN, MD, and FL. Dr. Rouse has over 10 years of global experience in the mining and blasting industry with expertise in blast instrumentation and root cause analysis, optimization and auditing in surface and underground mines, vibration control, training, and expert witness work. Prior to joining Dyno Nobel, Dr. Rouse managed the explosives engineering team at Respec.

Tristan Worsley – Principal Consultant



He has over 10 years of experience in performing explosives and mining engineering work. He holds a B.S. in Mining Engineering and a M.S. in Explosives Engineering from the University of Missouri Rolla. Tristan is currently a licensed blaster in the state of Kentucky and Missouri as well as a licensed professional engineer in the state of Kentucky. His expertise includes drill and blast optimization for surface and underground mines, blasting next to failures, fragmentation optimization, equipment rescue, collapse blasting, vibration and airblast monitoring, explosives safety audits, explosive storage design, proximity blasting, blaster training, and post-blast investigations.

Russell Lamont – National Consulting Manager



Russell has earned his B.S. in Mining Engineering from the University of Kentucky. Russell also holds an MBA from the University of Charleston, and is a licensed Professional Engineer in the state of WV, and a certified blaster in the state of KY. Russell has 15 years of experience in operations and engineering management in the coal and aggregate industries, in both surface and underground applications.

Key West Marriott Beachside Hotel

Group room rate: \$249/night + tax

To get room rate, phone 866-679-5490, identify Dyno Nobel and event date.

Reservation cut-off date: Thursday, March 26th, 2020

REGISTER TODAY!

Online registration and payment:

- DAY 1 dyno-vib-1.eventbrite.com
- DAY 2 dyno-vib-2.eventbrite.com
- DAY 1&2 dyno-vib-1and2.eventbrite.com

Payment other than by credit card can be arranged.

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