**2019KBC Program**

**Thursday, December 5, 2019 Chair: Phyllis Hart**

**8:00 AM REGISTRATION BEGINS & EXHIBITS OPEN**

 Thursday Morning Presentations in Heritage Hall Center

**8:30 AM The Good, the Bad, and the Ugly.**

**What factors are key in determining the results of a blast?**

Joe Nawrocki, DynoConsult

**9:00 AM Bluegrass Chapter Update and Review of Available Tools for Blasters**

Brian Lewis, Bedrock Contracting and ISEE PEPR Rep

**9:30 AM Systematically Improving Drilling and Blasting Operations**

Daykin Schnell, RESPEC

**10:00 AM BREAK**

**10:30 AM Institute of Makers of Explosives Presentation**

Josh Hoffman, IME

**11:00 AM Lexington & Payne CSO Project, Downtown Louisville**

Kristie Allen, HTA Enterprises

**11:30 AM Improving Highwall Safety**

Neal Lee, Nelson Brothers

**12:00 PM BUFFET LUNCH – Served in Exhibit Hall**

 (Included in Conference Registration Fee)

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|  | **BALLROOM 1** | **BALLROOM 2** | **BALLROOM 3** | **ELKHORN A&B** | **ELKHORN C&D** |
|  | **Underground** | **Surface Blasting** | **Regulatory** | **Blast Vibrations** | **General** |
| **Session Chair** | Nick Compton | Joey Accardo | Martin Brashear | Tristan Worsey | Nate Schaefer |
| **1:00 PM** | ***Underground Blasting Fundamentals***Paul Sterk, Frank Sames, Chip Davis, Evan HagenlockAustin Powder | ***Modern Drilling Technology and Solutions***Joey AccardoEpiroc | ***MSHA’s Technical Support Division and Lessons Learned from Recent Mining Accidents***Lon SantisMSHA | ***Signature Hole Review***Tristan Worsey, Nathan RouseDynoConsult | ***Methodologies for Fracture Extension Assessment***Nate SchaeferUniversity of Kentucky |
| **2:00 PM** | ***Underground Blasting Advanced Topics***Paul Sterk, Frank Sames, Chip Davis, Evan HagenlockAustin Powder | ***Importance of Drilling Accuracy***Clinton EvansGeoscan Services | ***ATF Regulations and Commonly Cited Violations***David Perry, Andrew PerdasATF | ***Review of Waveform Superposition Methods for Ground Vibration Control***Jhon SilvaUniversity of Kentucky | ***Field Measurement of Explosive Performance***Alastair TorranceKilmorie Consulting |
| **3:00 PM** | BREAK | BREAK | BREAK | BREAK | BREAK |
| **3:30 PM** | ***Underground Blasting Improvement***Nick ComptonVulcan | ***The Little Things that Matter***Barry Adkins, Forrest Shelton, Travis Shelton, Wayne WhitakerHinkle Contracting | ***OSMRE Blast-Induced Data Vibration Evaluation Program in Excel***Ken EltschlagerOSMRE | ***Measuring blast-induced strains on a 12 inch ductile iron pipeline during mass-ex blasting for a detention basin, Henderson, NV***Brent MeinsDeTecht, LLCCathy Aimone-MartinAimone-Martin & Associates | ***Surface Vibrations from Underground Limestone Blasting*** Mike MannOhio DNR |
| **4:30 PM** | ***Burn and Vee Cut Shot Design & Vibration Case Study***Mark AcreeOrica | ***Close Quarter Construction Drill and Blast Design***Brian LewisBedrock Contracting | ***Flyrock Case Studies***Martin Brashear,KY DMRE | ***How to Win Vibration Lawsuits***Mark Trimble, PGIndependent Consultant | ***A Blaster’s Legal Liability: What Your Insurance Company Wants You to Know***Kelly Ratliff,Ralph BurnhamRemingerKim GdovichinLancer/Nobel Insurance |
| **5:30 PM** | **SOCIAL EVENT IN EXHIBIT HALL** |

**2019KBC Program**

**Friday, December 6, 2019 Chair: Nathan Rouse**

**8:00 AM REGISTRATION BEGINS & EXHIBITS OPEN**

 Friday Morning Presentations in Elkhorn Ballrooms

**8:30 AM Cast Blast Modeling Using Drone Basted Imaging**

Ravi Sahu, Strayos

**9:00 AM Quality Control of Bulk Explosives on the Bench**

Evan Hagenlock, Austin Powder

**9:30 AM Comparison of Microphone Responses Using Different Seismograph Security Boxes**

Mike Mann, Ohio DNR

**10:00 AM BREAK**

**10:30 AM Make Blast Reporting Great Again**

Matt Slezak, RESPEC

**11:00 AM Vibrations and Litigation Panel Discussion**

Jeff Taylor, Sauls Seismic

 Ralph Burnham, Reminger

 Kelly Ratliff, Reminger

 Martin Brashear, KY DMRE

 Dave Smith, Smith Adjusting

 Paul Downing, Lancer/Nobel Insurance

**12:00 PM ATTENDANCE AWARDS & ADJORN**