

SME/Central Appalachian Section Spring Meeting ■ April 12-13, 2019 Marriott Griffin Gate Resort, Lexington, KY



The Central Appalachian Section (CAS) is a legally constituted unit of the Society for Mining, Metallurgy & Exploration (SME), and encompasses the geographical areas of Kentucky, Virginia and West Virginia. Our members network with their peers and hear valuable presentations through section events and professional development conferences. The section supports the activities of all the Eastern Mining Engineering Schools (University of Kentucky, Penn State, West Virginia University and Virginia Tech) as well as collaborates with neighboring SME sections, especially the Pittsburgh Section of the SME. Due to the generosity of our sponsors, membership is free of charge; members are encouraged to also join the National SME.

Registration Information

- Registration on or before April 9 is \$175 and includes continental breaks, lunch and reception. Registration after April 9 is \$200.
- Register online at [SME-CAS 2019 Spring Registration](#).
- If you prefer to register by phone, please call Geaunita Caylor at 859-257-2820.
- Registration for the sporting clays tournament is \$50 (students are complimentary).
- Ticket(s) to Keeneland are \$20 (reserved grandstand seating).
- Cancellation with refund (less \$20 administrative fee) is available until April 9. No refunds after April 9. Substitutions may be made at any time. Please notify us in advance.

Lodging

A block of rooms is reserved at the Marriott Griffin Gate Resort. The hotel is located at 1800 Newtown Pike, exit 115 off I-64 and I-75. Ask for the room block for the **SME/CAS Spring Meeting**. The room rate of \$159 (plus tax) will be held until March 21. After March 21 reservations can be made on a space and rate available basis only.

You can call Marriott reservations at 800-228-9290, 859-231-5100 to make a room reservation, or [book your group rate online](#). Please note you will NOT be charged the additional \$15 daily resort fee. Any resort fees will be deducted at check-out.

Professional Development Hours

Eight (8) Professional Development Hours (PDHs) will be awarded.



Agenda Friday, April 12, 2019

- 8:00 – 9:00 a.m. Registration
- 9:00 – 9:10 a.m. Welcome
Keith Heasley, SME/CAS President and Professor Emeritus, West Virginia University
- 9:10 – 10:00 a.m. Keynote Address – World Coal Outlook
John L. Weiss, Vice President, John T. Boyd Company
- 10:00 – 10:30 a.m. Networking Break
- 10:30 – 10:50 a.m. An Update on Paringa Resources
Rick Kim, C.O.O./P.E., Paringa Resources Limited
- 10:50 – 11:10 a.m. JORC and SEC Filings
Brian Groff, Principal/P.E., Groff Engineering & Consulting
- 11:10 – 11:30 a.m. Underground Stone Design Considerations
David Newman, President/Ph.D./P.E., Appalachian Mining & Engineering, Inc.
- 11:30 – 11:50 a.m. Usage of Coal Ash
Robert Jewell, Ph.D./Research Program Manager, University of Kentucky/CAER
- 11:50 – 1:00 p.m. Lunch (provided)
- 1:00 – 1:20 p.m. Underground Coal Automation
Steven Schafrik, Associate Professor, University of Kentucky
- 1:20 – 1:40 p.m. Using Drones to Increase Surveying Efficiency and Safety in Quarries
Chandler Absher, E.I.T., Hinkle Contracting Company
- 1:40 – 2:00 p.m. Retrofitting any Machine with Remote Controls and Other Digital Technologies
Chad Rhude, V.P./U.S. Operations and Gabriel Janakaraj, V.P./Special Projects, Hard-Line USA
- 2:00 – 2:20 p.m. An Interactive Mobile Equipment Task-Training with Virtual Reality
Lazar Zujovic, Graduate Student, West Virginia University
- 2:20 – 2:50 p.m. Networking Break
- 2:50 – 3:10 p.m. Effects of Air-Blocking Shelves on Dust Dispersion for a Surface Mine Blasthole Drill Shroud
Wm. Randolph (Randy) Reed, Ph.D./P.E., NIOSH
- 3:10 – 3:30 p.m. A Preliminary Investigation of Respirable Silica Surfaces in 9 Appalachian Coal Mines
Leah Frost, Undergraduate Student, Virginia Tech
- 3:30 – 3:50 p.m. Stochastic Analysis of Block Failure for Improving Safety in Underground Limestone Mines
Juan Monsalve Valencia, Graduate Student, Virginia Tech
- 3:50 – 4:10 p.m. Abutment Load Analysis for Deep Cover Coal Mines
Deniz Tuncay, Graduate Student, West Virginia University
- 4:10 – 4:30 p.m. Ground Penetrating Radar for Karst Detection in Underground Stone Mines
Jon Baggett, Graduate Student, Virginia Tech
- 4:30 – 4:50 p.m. Speaker TBA
- 5:00 – 6:30 p.m. Reception

[Agenda information for Saturday \(see page 4\)](#)

Agenda Saturday, April 13, 2019

Provide own transportation

9:30 - 12:00 Noon Sporting Clays Tournament, Bluegrass Sportsman Club, Wilmore, KY

12:00 Noon Keeneland Thoroughbred Spring Meet, Keeneland Race Course, Lexington, KY. Gates open at 11:00 a.m., post time for the first race is 1:05 p.m.

Sporting Clays Tournament

The sporting clays tournament will be held at the Bluegrass Sportsman Club near Wilmore, Kentucky. Arrival time is 9:30 a.m., and shooting begins at 10:00 a.m. We will shoot 100 targets. The event is open to all conference attendees and the cost is \$50 (students are complimentary). Awards for the first, second and third place school teams will be calculated by summing the top four student scores for each school represented. There will be first, second and third place awards for both students and other conference attendees, as well as a first-time shooter award.

Keeneland Thoroughbred Spring Meet

Keeneland is the world's largest and most prominent Thoroughbred auction house and hosts world-class racing twice annually during its boutique Spring and Fall meetings. Owners, trainers, riders and fans from all over the world travel to Lexington each year to participate at Keeneland. Surrounded by rolling bluegrass hills, panoramic views of the racetrack and the historic charm of the grounds, Keeneland is a venue unlike any other. A ticket includes entrance to Keeneland and a reserved grandstand seat. Post time for the first race is 1:05 p.m. Races are run approximately every half hour.

Sponsors:

These sponsors have generously donated resources to help fund the students' travel, lodging and lower registration fees for all.

- Friends of Coal
- Alpha Engineering Services
- ArcelorMittal Princeton
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- KY Crushed Stone Association
- Murray Energy Corporation
- Natural Resource Partners
- Pittsburgh Section of SME
- Rhino Energy
- Rosebud Mining Company
- SME
- Stantec Consulting Services
- SynTerra Corporation
- University of Kentucky
- Virginia Tech
- West Virginia University

For additional information, please contact:

Ms. Geaunita Taylor at g.caylor@uky.edu or 859-257-2820