

30th Annual

# Kentucky Professional Engineers In Mining Seminar

**Friday, September 15, 2017**

Marriott Griffin Gate Resort—Lexington, Kentucky



**Sponsored by**

*UK Department of Mining Engineering  
KSPE/Professional Engineers in Mining*

**Co-Sponsor**

*Kentucky Coal Association*

- 7:15 a.m.    **Registration**
- 8:00 a.m.    **PEM Welcome**  
Don Arrowsmith, PEM Chairman & Moderator  
Russ Romine, Executive Director, ACEC-KY/KSPE  
Tom Novak, Chair, UK Department of Mining Engineering
- 8:20 a.m.    **The Coal Industry in 2017 and Beyond**  
*Michael Bauersachs, CEO and President, Ramaco Resources, Lexington, Ky.*
- 9:05 a.m.    **Kentucky Regulatory Environmental Roundtable**  
*Allen Luttrell, Commissioner, KY Department for Natural Resources  
Jeff Baird, Director, KY Division of Mine Permits  
Danny Hall, Executive Director, KY Office of Reclamation Guaranty Fund*
- 10:05 a.m.    **Break—Door Prizes and Alumni Photo**
- 10:20 a.m.    **Mine Safety Roundtable**  
*Robert Simms, District Manager, MSHA, District 10  
Marco Rajkovich, Member, Rajkovich, Kilpatrick, Williams & True, PLLC  
Jim Vicini, Director, KY Division of Mine Safety  
Bryan Lummus, Personnel Recruitment & Development Coordinator, Alliance Coal, LLC*
- 11:20 a.m.    **Research in Recovering Rare Earths from Coal and Coal Byproducts**  
*Rick Honaker, Professor, UK Department of Mining Engineering*
- 11:50 a.m.    **Carlson Award Announcement**
- 12:05 p.m.    **Lunch**
- 1:15 p.m.    **Announcements**

- 1:20 p.m.     **Capture and Utilization of CO<sub>2</sub> from Power Plant Flue Gas: Technology Development and Demonstration**  
*Jack Groppo*, Professor, UK Department of Mining Engineering
- 1:45 p.m.     **Potential Hydrologic Impacts Due to Mine Subsidence**  
*Zach Agioutantis*, Professor, UK Department of Mining Engineering
- 2:10 p.m.     **Optimizing the Utility of Underground Communication Systems**  
*Steve Schafrik*, Associate Professor, UK Department of Mining Engineering
- 2:35 p.m.     **Coal Production in Kentucky**  
*J. Tyler White*, President, Kentucky Coal Association
- 3:00 p.m.     **Break** (door prizes, must be present to win)
- 3:15 p.m.     **Professional Liability and Duty for Engineers**  
*John Hays*, Partner, Jackson Kelly LLC
- 3:40 p.m.     **Research in Active Explosion Barrier Systems for Underground Coal Mines**  
*Jhon Silva*, Assistant Professor, UK Department of Mining Engineering
- 4:05 p.m.     **Mineral Reserves Reporting – A Retrospective Look at Where We’ve Been, Where We Are Today, and Ethics in Reserves Reporting**  
*Brian Groff*, President, Groff Engineering & Consulting, Mt. Sterling, Ky.
- 4:30 p.m.     **Changes in the Financial Structure of Coal Producers**  
*John Feddock*, Senior Principal, Marshall Miller & Associates, Inc.
- 4:55 p.m.     **Door Prizes** (door prizes, must be present to win)
- 5:15 p.m.     **PEM Business Meeting**

### LODGING & GENERAL INFORMATION

**Call for Exhibitors:** Anyone interested in setting up an exhibit can do so for a fee of \$275 (fee includes one seminar registration, one draped table and 2 chairs). Please contact Geaunita Caylor at 859/257-2820 or [g.caylor@uky.edu](mailto:g.caylor@uky.edu) for additional information.

- Registration Fee on or before September 6: PEM and KCA members \$175; non-members \$200. All registrations after September 6: \$225.
- Lodging: Contact the Marriott Griffin Gate Resort at 1-800-228-9290. The hotel is located at 1800 Newtown Pike, exit 115 off I-64 and I-75. Ask for the room block for the **UK Mining Engineering PEM Seminar**. The room rate of \$149 single or double (plus tax) will be held until September 1. You can also make a room reservation online through the web site: <http://pem.engineering.uky.edu/hotel-information/>
- Cancellation with refund (less \$20 administrative fee) is available until September 6. No registration refunds after September 6. Substitutions may be made at any time. Please notify us in advance.
- **Eight Professional Development Hours (PDHs) awarded.**

For additional information, call Geaunita Caylor at 859/257-2820 or [g.caylor@uky.edu](mailto:g.caylor@uky.edu)

You can register online: [2017 PEM Online Registration](#)