

# 38<sup>th</sup> Annual Kentucky Professional Engineers in Mining Seminar



In-Person & Virtual  
Friday, August 8, 2025  
Hyatt Regency Hotel (Downtown)  
Lexington, Kentucky

Sponsored by  
KY Professional Engineers in Mining (PEM)  
UK Department of Mining Engineering  
SME-Central Appalachian Section (SME/CAS)  
**8 Professional Development Hours**

Register at <https://pem.engr.uky.edu/>

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|------------|---|
| 8:00 a.m.  | <b>Seminar Introduction</b><br>Carolyn McCannon, P.E., PEM Chair, RESPEC<br>Zach Agioutantis, Chair, UK Department of Mining Engineering  |
| 8:15 a.m.  | <b>National Leadership of the American Institute of Mining, Metallurgical, and Petroleum Engineers (AIME) and Member Societies</b> <ul style="list-style-type: none"> <li>○ Steve Gardner, 2024 AIME President and 2015 SME President</li> <li>○ Barbette Barlow, AIME Executive Director</li> <li>• Association for Iron &amp; Steel Technology (AIST) <ul style="list-style-type: none"> <li>○ Ron Ashburn, AIST Executive Director</li> <li>○ Ron O'Malley, AIME President Elect &amp; AIST Past President 2019-2021</li> </ul> </li> <li>• Society of Petroleum Engineers (SPE) <ul style="list-style-type: none"> <li>○ Simon Seaton, SPE Executive Director</li> <li>○ Shauna Noonan, AIME President Elect Designate &amp; 2020 SPE President</li> <li>○ Terry Palisch, 2024 SPE President</li> </ul> </li> <li>• The Minerals, Metals &amp; Materials Society (TMS) <ul style="list-style-type: none"> <li>○ Jim Robinson, Executive Director</li> <li>○ Brad Boyce, AIME Trustee &amp; 2023 TMS President</li> <li>○ Daniel Miracle, 2025 TMS President</li> </ul> </li> <li>• Society for Mining, Metallurgy &amp; Exploration (SME) <ul style="list-style-type: none"> <li>○ Dave Kanagy, Executive Director</li> <li>○ Bill Hancock, 2025 SME President</li> </ul> </li> </ul> |
| 10:15 a.m. | <b>Networking Break</b> (15 minutes) Alumni picture-meet in the front of the room   |
| 10:30 a.m. | <b>Highwall Mining in Thick Seams - Case Histories</b> - Dave Newman, Appalachian Engineering   |
| 10:55 a.m. | <b>Converting UG Mines to Storage – Key Mining and Engineering Considerations</b> – Mark Haddock, RockSmith Geoengineering  |
| 11:20 a.m. | <b>Mineral Reserves Reporting, Seriously.</b> - Brian Groff, Groff Engineering & Consulting   |
| 11:45 a.m. | <b>AI Applications in CAD Drafting</b> , Tyler Faulkner, Carlson Software   |
| 12:10 p.m. | <b>Networking Lunch</b> (50 minutes)  |

## 38<sup>th</sup> Annual

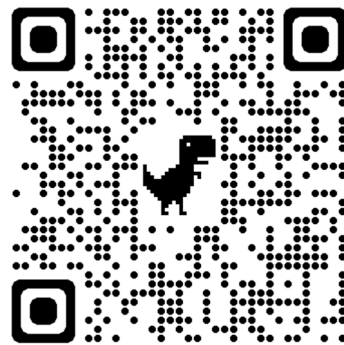
# Kentucky Professional Engineers in Mining Seminar

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| 1:00 p.m. | <b>Kentucky Regulatory Environmental Roundtable</b><br>Gordon Slone, Commissioner, Dept. for Natural Resources<br>Jim Cable, Director, Division of Abandoned Mine Lands<br>Sheri Mullins, Director, Division of Mine Reclamation and Enforcement<br>Wes Jones, Director, Division of Mine Permits<br>Morgan Freeman, Executive Director, Office of Reclamation Guaranty Fund<br>Tim Fugate, Director, Division of Mine Safety<br>Dennis Hatfield, Director, Division of Oil and Gas |
| 2:30 p.m. | <b>State and Federal Legal and Regulatory Update: Industry Perspective</b> , R. Clay Larkin, Dentons  |
| 2:55 p.m. | <b>Networking Break</b> (15 minutes)  |
| 3:10 p.m. | <b>Autonomous Shuttle Car Development, Changes for In-Mine Testing</b> , Steven Schafrik, University of Kentucky  |
| 3:35 p.m. | <b>Estimating Groundwater Inflow for Longwall Operations</b> , Zach Wedding, University of Kentucky   |
| 4:00 p.m. | <b>Mine Planning Considerations for Large Development Projects</b> – Kristin Floyd, Rogers Group Inc.   |
| 4:25 p.m. | <b>Adjournment</b>  |

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