16th Annual Southeast Mine H&S Conference
NIOSH Preconference Workshop November 1, 2022

Research to Practice Health Interventions, Technologies, and Trainings

TOPIC	DISCUSSION POINTS	PRESENTERS	TIME
Introduction	Introduction of presenters and attendees	All	8:00–8:30 am
Proactive prevention of musculoskeletal disorders and slips, trips, and falls	This session will discuss: • Musculoskeletal disorders (MSDs) and risk factors associated with them • NIOSH tools that are available to help mine workers identify and reduce risk factors for MSDs • Slip, trip, and fall (STF) hazards commonly found at surface mines • Resources and tools NIOSH developed to identify and remediate STF hazards Updates in material handling research	Mahiyar Nasarwanji	8:30 am–9:45 am
Break			9:45 – 10:00 am
Keeping cool: Protecting miners from heat-related illness	This session will introduce: • A module that includes guidance materials for instructor-led training around heat-related illness • A train-the-trainer segment will prepare participants to conduct training for workers who are potentially at risk • Training delivery tips and explain how to tailor materials to meet the needs of specific workers	Kristin Yeoman	10:00 – 11:15 am
Lunch, open Q&A			11:15 am–12:30 pm
[Title]	This session will discuss: •	Lauren Chubb	12:30 – 1:30 pm
Break			1:30 – 1:45 pm
Fatigue management: What we do and don't know	This session will introduce: • What we do and don't know about fatigue in mining • The development of mineworker fatigue toolkits • Tips to reduce fatigue prevalence in mining • Job-related activities that are associated with the incidence of fatigue and potential strategies to minimize the magnitude of fatigue	Tim Bauerle	1:45 – 3:00 pm
EXAMiner in the workplace to assess and mitigate health effects	This session will discuss: • EXAMiner, a NIOSH-developed software tool that allows companies the opportunity to use NIOSH mine stock photos or upload their own pictures to create their own hazard recognition materials • Field results from evaluating the use of this software at mines to encourage research to practice	Brianna Eiter	3:00 – 4:00 pm

Wrap-up		**4:00 pm**

Presenter Bios

Tim Bauerle, PhD

Lauren Chubb ScD.

Brianna Eiter, **Ph.D.** Dr. Eiter is a Research Behavioral Scientist working on the Mine Emergency and Organizational Systems Team at the National Institute for Occupational Safety and Health (NIOSH) Pittsburgh Mining Research Division (PMRD) located in Pittsburgh, Pennsylvania. In the six years that Brianna has worked at PMRD, she has been involved in research projects focusing on hazard recognition and risk perception, informational needs of the underground coal miner, and fatigue risk management for small surface mines. Brianna has over 15 years of experience in her research area of expertise which is human cognition and the use of eye-tracking to measure human behavior. Brianna graduated with a Bachelor's degree from Lehigh University and then went to Binghamton University where she earned both her Master's and Doctoral degrees in Cognitive Psychology.