

MINING ENGINEERING



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Artificial Intelligence; Mining; and Systems Engineering



KOCSIS, Charles **Professor and Chair of Mining Engineering**
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Mine ventilation system design, ventilation automation, and underground climatic modeling



MISHRA, Brijes **Associate Professor**
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Rock Mechanics and Ground Control, Experimental Rock Mechanics, High Pressure and High Temperature rock behavior, Numerical Modeling in Rock Mechanics



NELSON, Michael **Professor**
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Automation, Operational Excellence, Safety Management & Leadership, Froth Flotation Equipment and Operations



ROGERS, Pratt **Assistant Professor**
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Applications of big data analysis, Internet of Things (IOT), energy optimization, machine learning, and health and safety. Operational excellence in the digital era using sociotechnical systems.



WEMPEN, Jessica **Associate Professor**
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Remote sensing applications in mine environments, rock mechanics, mine seismicity, and mine ventilation