

Faculty Name:

Ray Farinato and Thanos Bourtsalas

Faculty Email:

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Lab:

Sustainable Mines

Project Title:

Modeling of mining processes for managing deleterious elements

Description:

Work with graduate students and post-docs to assist in the modeling of mining processes to allow the detection of deleterious elements, which result in a steep financial penalty. The study will consider a comprehensive plant data analysis using a multipronged approach involving analytical thinking methods, statistical methods, and other more rigorous data analytics to develop a deeper and more robust understanding of the department of deleterious elements in the mining process. The project objective is to review existing data and current investigative programs, and to identify (i) possible alternative approaches to those currently being explored; (ii) required work to further assess those alternate approaches, (iii) relevant case studies, and (iv) technical viability and readiness levels.

Location of Research:

Hybrid (both remote and on-site)

of hrs/week:

20

Department/Program:

Earth and Environmental Engineering

Eligibility:

BS, First Year, BS, Second Year, BS, Third Year, BS, Fourth Year, MS

To apply, please contact:

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