

Please join the Faculty Development Committee for our series

Highlighting Faculty Research for tenure-track faculty serving as PI on large awards

Friday, February 17, 2023 3:30-5pm Deju House

Occupational Safety and Health:

Research, Development, and Capacity Building



**Pedram
Roghanchi**

**Freeport-McMoran
Endowed Assistant
Professor**

Dean's Research Scholar

Much has been done to minimize illnesses, injuries, and fatalities in open pit and underground metal and non-metal mines. The Mine Safety and Health Administration (MSHA), research centers, and the management of mining operations have established health and safety regulations to reduce the number of injuries and fatalities. Particularly, miners' safety has been of paramount importance at most surface and underground operations. However, there is still much to be done. A new vision shall be proposed to look at all health hazards in mines as "silent killers" because their effects are only acknowledged when serious, life-threatening health conditions develop. Working on health and safety projects has given us a rich background from which to investigate new solutions to current health and safety issues that the mining industry faces. In this presentation, a brief description of our current projects related to automation, occupational exposure, and safety training will be presented.

**Come listen to Pedram's brief talk and then stay for casual conversation with Pedram and other colleagues.
Light refreshments provided and open bar available.**