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Department of
Mining and Minerals Engineering

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Mario G. Karfakis

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B.S. Universite Scientifique et Medical de
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M.S. University of Wisconsin-Madison, 1978

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Expertise

- ▶ Geomechanics
- ▶ Mining Extraction Technology
- ▶ Environmental Management

Current and Past Research

- ▶ Rock Fracture Mechanics
- ▶ Characterization of Geomaterials
- ▶ Mechanical Fragmentation of Rocks
- ▶ Ground Stabilization by Chemical Grouting
- ▶ Environmental Impact of Excavation and Construction in Rocks

Courses



Faculty Profiles

[Dr. Gregory Adel](#)

[Dr. Mario Karfakis](#)

[Dr. Michael Karmis](#)

[Dr. Gerald Luttrell](#)

[Dr. Kray](#)

[Luxbacher](#)

[Dr. Nino Ripepi](#)

[Dr. Emily Sarver](#)

[Dr. Erik Westman](#)

[Dr. Roe-Hoan](#)

[Yoon](#)

- ▶ [MinE 3504 Rock Mechanics and Ground Control](#)
- ▶ [MinE 3514 Rock Mechanics Laboratory](#)
- ▶ [MinE 3524 Excavation Engineering](#)
- ▶ [MinE 3564 Underground Mine Design](#)
- ▶ [MinE 3574 Surface Mine and Quarry Design](#)
- ▶ [MinE 4184 Ground Control](#)
- ▶ [MinE 5016 Advanced Mining Engineering](#)
- ▶ [MinE 5035 Advanced Ground Control](#)
- ▶ [MinE 6015 Advanced Rock Mechanics](#)
- ▶ [CE 4514 Methods in Geotechnic Engineering](#)
- ▶ [ESM 1004 Statics](#)

Selected Publications

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