## 2023 ANNUAL SHORT COURSE:

# **Grouting and Ground Improvement**

July 31 - August 3, 2023 | Golden, Colorado









Grouting and Ground Improvement is a 4-day course that covers engineering, equipment, materials and methods for grouting and ground modification used in civil and geotechnical engineering, underground construction, tunneling and mining.

Don't miss this opportunity for professional development and high-level networking — all while earning CEUs!

This course combines classroom instruction with hands-on labs and demonstrations, providing participants with the opportunity to see grouting and ground improvement field equipment in action!

Course highlights include a field demo day providing participants with the opportunity to see the following grouting techniques in action:

- COMPACTION GROUTING
- CELLULAR GROUTING
- CHEMICAL GROUTING
- PERMEATION GROUTING

### WHO SHOULD ATTEND?

This course is intended for industry professionals including owners, planners, designers, contractors, consultants and suppliers involved in the design, planning and construction of civil and geotechnical engineering, underground, tunneling and mining projects.

Don't miss this opportunity to network, learn and earn CEUs!

### **CEUs**

Colorado School of Mines will award 2.4 CEUs (continuing education units) upon successful completion of this course.

### **LOCATION**

Colorado School of Mines has a long-standing tradition of hosting world- class short courses on our beautiful campus in scenic Golden,

0 minutes/36 miles from Denvernternational Airport.

### **INFO AND REGISTRATION**

Registration will open on March 1, 2023. Space is limited! Early-bird and group discounts are available through June 20, 2023.

### COURSE DIRECTORS:

### Dr. Reza Hedayat

Colorado School of Mines hedayat@mines.edu

Bill Warfield Coordinator for Field Day Demonstrations wfdbill@comcast.net Sponsorships are still available!
Please contact the
Continuing and
Professional Education
Services (CPES) office at
Learn@mines.edu for
more information.

