



COLORADO SCHOOL OF
MINES

EARTH MECHANICS

EMI
INSTITUTE

We are a global leader in **excavation technology**, **tunneling** and **drilling solutions** for mining and civil underground construction. As the leading laboratory in Earth Mechanics, we **Excavate, Master and Innovate**.

"Over half a century of excellence in excavation engineering and rock mechanics."

Jamal Rostami, PhD, PE, Professor, Hadden/Alacer
Gold Endowed Chair, Director of EMI

ABOUT EMI

As an integral part of Colorado School of Mines, EMI operates at the intersection of academia and industry, providing independent, research-driven insights. For over 50 years, EMI has collaborated with industry leaders to develop cutting-edge solutions for mining, civil engineering and underground construction.

Testing List

- Unconfined Compressive Strength (UCS)
- Indirect (Brazilian) Tensile Strength
- Cerchar Abrasivity Index
- Punch Penetration Test
- X-ray Diffraction Testing
- Thin Section Petrographic Analysis
- Triaxial Strength Testing
- Linear Cutting Tests
- Rotary - Percussion Rock Drilling Facility
- Longwall Mining Shearer Testing

Contact us: EMI Manager & Laboratory Supervisor

Kun Zhang

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Our Vision

We collaborate with industry professionals not as competitors, but as trusted partners in innovation, developing and refining technologies that are shaping the future of excavation and geomechanics.

Clients

- Rio Tinto
- DeBeers
- GCMC
- Herrenknecht
- AECOM
- WSP
- and more

Location



Scan here to learn more about EMI

