

GEOTECHNICAL RADAR MONITORING

for Real-Time Mine Slope Monitoring



COLLEGE OF ENGINEERING

School of Mining
Engineering & Mineral
Resources

Self-paced & online course
starting May 11, 2027

Offered by the **Geotechnical Center of Excellence** at the University of Arizona, this online, asynchronous, professional development course is designed for self-paced learning on your schedule. The course includes 24 hours of pre-recorded content developed by the GCE and industry subject matter experts. Upon course completion a professional development certificate is provided.

Radar systems are an essential tool for real-time slope monitoring in the mining industry, playing a critical role in comprehensive pit monitoring programs when applied effectively. This course is designed to enhance geotechnical professionals' proficiency with radar systems, offering practical insights and fresh perspectives through real-world case studies from diverse mining operations. **Course access begins May 11, 2027, and content is available until May 11, 2028. Registration for the course is open until March 11, 2028.**

A Professional Development Course Covering:

- Ground-based Synthetic Aperture Radar (SAR)
- Ground-based Real Aperture Radar (RAR)
- Data interpretation
- Satellite-based InSAR, capabilities/limitations
- Real-world examples and case studies

This course is designed for:

- Geotechnical professionals who work with these systems daily or are interested in using radar in the future.
- Consultants tasked with interpreting radar data, or integrating radar data into numerical models.
- Anyone looking to strengthen their skills in slope monitoring!

\$999* USD

Discounts for GCE members, groups, and students.

REGISTER



<https://cvent.me/Y2wPmD>

LEAD TECHNICAL ADVISORS



Paolo Farina

Founder & Principal
Consultant, Geoapp



Chad Williams

Geotechnical
Engineer, Rio Tinto

Questions?

Contact gce-courses@arizona.edu
or visit mining.arizona.edu/gce