

**Radar**  
Monitoring  
Short Course  
**2020**  
ONLINE!



THE UNIVERSITY OF ARIZONA  
**Lowell Institute**  
for Mineral Resources

MINDS OVER MINERALS™

**GEOTECHNICAL CENTER OF EXCELLENCE – Professional Development Series**



## The 2020 Radar Monitoring Short Course Is Now Online!

The Geotechnical Center of Excellence at the University of Arizona has gathered some of the leading industry professionals in the slope monitoring sector to develop a world-class radar monitoring short course.

### What the course offers –

- Satellite-based InSAR Monitoring
- Ground-based Synthetic Aperture Radar (SAR)
- Ground-based Real Aperture Radar (RAR)
- The Physics of Radar
- Radar Capabilities/Limitations
- Data Interpretation
- Case Studies and Lessons Learned (Risk, Pre- and Post-Failure Analysis)

### Course Timeline –

- 6 Weeks of Self-Paced Online Learning Modules (4/17/20 – 5/28/20)
  - ✓ 2-3 hours of pre-recorded video presentations + supplemental material per module per week
- Live Weekly Virtual Q&A with the Radar Expert Panel
- Bonus 7<sup>th</sup> Week – Case Study Mini-Symposium (6/4/20)

**Why Participate?** Radar monitoring is growing quickly in the mining industry. It can be an incredible safety and planning tool within a monitoring system, if it is used correctly. This course will help engineers use these systems more effectively and give new perspective with case studies from mining operations.

**Who should attend?** Geotechnical or Geo-mechanical Engineers who work with these systems daily or are interested in using radar in the future. Consulting Geotechnical Engineers, who may have to interpret radar data, or integrate radar data into numerical models. Anyone looking to strengthen their skills in slope monitoring!

### Expert Panel of Instructors –

- Jon Leighton – 3vGeomatics
- Albert Cabrejo – GroundProbe
- Cliff Preston – IDS GeoRadar
- Derek Hrubes – BGC Engineering
  - Chad Williams – Geotechnical Center of Excellence
- Sharla Coetsee - REUTECH Mining
- Paolo Farina – Geoapp
  - Bob Sharon - Sharon Geotechnical LLC

**Week 1 Begins Friday,**  
**April 17<sup>th</sup>, 2020**

**Course Fee: \$550 USD\***

**\*Discounts for GCE Members**  
**REGISTER NOW!**

(Course content is available week-to-week so late registrants will be accepted)

Contact Gillian Noonan at  
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with any questions and to  
register for the course

[minerals.arizona.edu](http://minerals.arizona.edu)