2021 Geotechnical Radar Monitoring Course

Professional Development (PD) or Academic (3 credit) Online and Live

The Geotechnical Center of Excellence (GCE) at the University of Arizona has gathered some of the leading professionals in the slope monitoring sector to develop a world-class radar monitoring course – now offered two ways!

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

Course Timeline –
- 15 weeks of online learning modules (starting Jan. 14th, 2021)
- Approximately 1.5 hours of pre-recorded presentations per week
- Live bi-weekly virtual Q&A with experts
- Course finale - Case study mini-symposium

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
- Karen Bakken – Rio Tinto Kennecott Copper

Starting January 14, 2021
REGISTER NOW!
PD Course Fee: $899 USD*
*Discounts for GCE Members

Academic Course Fee: UA regular tuition rate

Contact the GCE with questions or to register gce@arizona.edu