

Title: Remote Sensing and Data Collection for Slope Engineering
Where: Holmes Hall 244
When: 4:00 p.m. November 15, 2023



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Abstract

The application of new technologies will be demonstrated with examples sourced from satellites, aircraft, the ground surface and subsurface. Advances in remote sensing and in remote data collection have made collecting data easier than ever by owners, engineers/geoscientists, and the public, both proponents and opponents. This can be helpful but can also be challenging because data are just a step in the process of gaining understanding and taking action. Neither the wider availability of data nor the amount of data collected correlate automatically with better understanding. Fortunately, advances are also occurring regarding new ways to manage and visualize more data simultaneously, and to communicate better understanding. Some of these advances will be demonstrated as well, along with the idea of using data to interrogate other data in order to arrive at the best possible understanding.

Bio

Scott Anderson has been a Principal Geotechnical Engineer with BGC Engineering, Inc. in Golden, Colorado for 7 years. Prior to that, Scott was a geotechnical services leader with the Federal Highway Administration for 15 years, a consultant for what is now AECOM for more than 10 years, and a former Assistant Professor of Civil Engineering at the University of Hawaii from 1992 through 1995. He has bachelor's and master's degrees in engineering geology from the University of Colorado and Colorado State University, respectively and a master's degree and doctorate in civil engineering from the University of California at Berkeley. A common theme through Scott's 40-year career has been striving to help people make well-informed risk-based decisions.