Southern Idaho Geo-Institute Chapter Presents:

Applications of Photogrammetry in Geotechnical Engineering

Photogrammetry is the science of making measurements from photographs. As geotechnical engineers, we routinely make measurements from drawings, maps, and geophysical representations of the subsurface. However, the use of quasi-3D imagery brings new opportunities for assessment and monitoring of geotechnical and infrastructure assets by using cameras and consumer grade unmanned aerial vehicles. This presentation highlights examples of how Nick has incorporated photogrammetry in both research and projects.

When: **January 17th, 2020, Noon to 1.00 PM**

Where: **Hatch C Ballroom**
Student Union Building
Boise State University
1910 W University Drive,
Boise, ID 83725

Parking: **Available in Lincoln Garage (Self-paid)**

Nick Hudyma Ph.D., P.E.
Professor and Chair
Department of Civil Engineering
Boise State University

Dr. Nick Hudyma is Chair of the Department of Civil Engineering at Boise State University.

Nick recently moved to Boise State University from the University of North Florida where he was a faculty member for seventeen years. He has also been a faculty member at the University of Nevada Las Vegas and Bradley University.

His research lies at the intersection of engineering geology and geotechnical engineering. His main focus is the characterization of rock for engineering purposes using experimental, imaging, and numerical techniques. His research has been supported by FDOT and NSF. He has also served as an expert witness for the USACE on differing site condition cases.

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