GSA 2012: Terrestrial Laser Scanning (Ground-Based LiDAR) Methods and Applications in Geologic Research & Education

761 Chris Crosby November 15, 2012 Short Courses 2920

2012 Geological Society of America Short Course - Sun., 4 Nov., 2012

Terrestrial Laser Scanning (Ground-Based LiDAR) Methods and Applications in Geologic Research & Education

Instructors: David Phillips and Christopher Crosby, UNAVCO; Carlos Aiken, The University of Texas at Dallas

Course Description: Terrestrial Laser Scanning (TLS), a.k.a. ground-based LiDAR, workflows and best practices for the acquisition and processing of TLS data, an overview of various TLS platforms, and examples of science and education applications. This 1-day workshop will consist of lectures and hands-on application of TLS equipment and data processing. TLS provides very high-resolution images over relatively small areas, is relatively inexpensive to acquire, and has been used successfully to support a wide range of geoscience investigations from outcrop mapping to deformation monitoring.

Presentations (attached at bottom of the page):

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Presentations:

- Introduction to TLS and Applications (Phillips)
- Introduction to TLS data collection and processing (Crosby)
- UNAVCO TLS support resources, community-like resources, future directions (Crosby)

Group Photo:



Online URL:
https://kb.unavco.org/article/gsa-2012-terrestrial-laser-scanning-ground-based-lidar-methods-and-applications-in-geologic-research-education-761.html