

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

761 Chris Crosby November 15, 2012 [Short Courses](#) 1776

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)
- [Terrestrial Laser Scanning \(TLS\) Methods and Applications](#) (Crosby)
- [UNAVCO's Geodetic Reference Network: TLS Scanning, Data Processing](#) (Crosby)

[Group Photo](#)



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