

# 2014 Structural Geology and Tectonics Forum TLS Short Course

807 Chris Crosby June 25, 2014 [Short Courses](#) 773

## Structural Geology and Tectonics Forum *Introduction to terrestrial laser scanning (ground-based LiDAR) for Earth science research*

### Location & Date

UNAVCO Facility, Boulder, CO, June 25, 2014

### Summary

**Workshop description:** This one-day course will provide faculty, students and professionals with an introduction to Terrestrial Laser Scanning (TLS - a.k.a., ground-based lidar). TLS provides high-resolution three-dimensional images of geologic features, and has emerged as a powerful tool for applications ranging from outcrop mapping to analysis of earth surface processes. The course will focus on TLS technology, data collection, processing and analysis, and examples of science applications. A combination of lectures and hands-on demonstrations of TLS equipment and data processing will be used.

### Agenda

#### Slides and other materials

#### Introduction to TLS and applications

[211 Presentation: Introduction to TLS and applications](#) (Crosby)

TLS data products and analysis (Crosby)

UNAVCO TLS support resources, community lidar resources, future directions (Crosby)

[211 Link: unavco.org/unavco](#) (Crosby)

[UNAVCO 2014 Annual meeting, community lidar resources, future directions](#) (Crosby)

### Online URL:

<https://kb.unavco.org/article/2014-structural-geology-and-tectonics-forum-tls-short-course-807.html>