

GSA 2013: Introduction to Terrestrial Laser Scanning (Ground-Based LiDAR) for Earth Science Research

789 Chris Crosby November 5, 2013 [Short Courses](#) 2281

Geographic Information Systems and Mapping (GIS) Short Course: Introduction to Terrestrial Laser Scanning (Ground-Based LiDAR) for Earth Science Research
Presented by: Chris Crosby, UNAVCO, Marianne Okal, UNAVCO Carlos Aiken, University of Texas at Dallas UNAVCO
This one-day short course will provide Earth science faculty, students and professionals with an overview of the concepts and applications of ground-based LiDAR. The course will cover the theory and hardware of LiDAR systems, data collection, data processing, and the use of LiDAR data in Earth science research. The course will also include hands-on exercises and demonstrations of LiDAR equipment and data processing software.
[Presentations: What is Terrestrial Laser Scanning? Applications \(Crosby\)](#)
[The Data: From Raw Data to Point Clouds \(Okal\)](#)
[LiDAR Data Processing: From Raw Data to 3D Models \(Aiken\)](#)
[LiDAR Data Applications: From Research to Education \(Crosby\)](#)

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