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

789 Chris Crosby November 5, 2013 Short Courses 2966

Geological Society of America Annual Meeting Short Course: Ground-Based LiDAR for Earth Science Research

Chris Crosby, UNAVCO; Marianne Okal, UNAVCO Carlos Aiken, The University of Texas at Dallas

This one-day short course will provide Earth science faculty, students and professionals with an introduction to ground-based LiDAR technology and its applications in the Earth sciences. The course will consist of lectures and hands-on demonstrations of TLS equipment and data processing.

Presentations:

Introduction to Terrestrial Laser Scanning (Crosby)

Fundamentals of Terrestrial Laser Scanning (Crosby)

Processing Point Clouds: Data Registration (Crosby)

Processing Point Clouds: Point Cloud Manipulation (Crosby)

Processing Point Clouds: Data Analysis (Crosby)

Terrestrial Laser Scanning in the Earth Sciences: Tectonic applications (Crosby)

Terrestrial Laser Scanning in the Earth Sciences: Volcanic applications (Crosby)

Terrestrial Laser Scanning in the Earth Sciences: Landslides (Crosby)

Terrestrial Laser Scanning in the Earth Sciences: Glaciers (Crosby)

Terrestrial Laser Scanning in the Earth Sciences: Fluvial applications (Crosby)

Terrestrial Laser Scanning in the Earth Sciences: Coastal applications (Crosby)

Terrestrial Laser Scanning in the Earth Sciences: Vegetation applications (Crosby)

Terrestrial Laser Scanning in the Earth Sciences: Anthropogenic applications (Crosby)

Terrestrial Laser Scanning in the Earth Sciences: Future directions (Crosby)

Online URL:
https://kb.unavco.org/article/gsa-2013-introduction-to-terrestrial-laser-scanning-ground-based-lidar-for-earth-science-research-789.html