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Webinar: Scan Data Office Prep & Feature Extraction

Webinar Description: Terrestrial scanners produce large amounts of point cloud data. This data needs to be sorted into useable entities. Once a point cloud is sorted and classified, features such as surfaces, lines, and points can be extracted. Extracted data can be further refined in various CAD programs. This webinar will explore how Trimble and Autodesk office software play a role in point cloud data extraction.

When: June 20th, 2024 - Thursday
Time: 12:00 pm to 1:00 pm Central Standard Time.

General Outline:

TRIMBLE

1) Point Cloud Import & Registration
    a) Cloud Registration
    b) Georeferencing
    c) Quality Control-limit boxes, cutting planes.
2) Region Classification
    a) Automatic region classification
    b) Manual Classification
3) Feature Extraction
    a) Surfaces
    b) Point features.
    c) Line features.
4) Scan Inspection
    a) Scan to Scan Comparison
    b) Scan to Object Comparison

AUTODESK

1) Intro to Autodesk ReCap
    a) Import file register and transform.
    b) Visualization and analysis
2) Editing in ReCap
    a) Clipping and exporting area of interest
    b) Automatic ground classification and decimation
    c) Manual point classification
3) Publish ReCap to Autodesk Construction Cloud
    a) Working in the ACC
    b) Linear and point feature extraction in the ACC.
    c) Area features (ramps and driveways)
4) Autodesk Civil 3D
    a) Import processed feature and ground classified data.
    b) Surface and feature creation in Civil 3D