Intelligent GIS Information Extraction from PointClouds for Transportation

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PointClouds are Reality now more than ever

- **Easy** to capture with **High resolution**
- Carries many **vital information** that is **Accurate**
- Cheap and variety of ways to collect (Airborne, Static, Mobile and upcoming UAV)
Point Clouds Vision

Points to Models
Point Cloud Processing - Derivatives
Raw Point Cloud Processing - Derivatives
Point Cloud Processing - Derivatives

Extracted Ground
Vertical Features
Point Cloud and Linear Feature Derivatives
Surface generation from point clouds
Breakline Extraction

Pick the correct line style, position two points along the line, and double-click to complete. Make sure to click on the target linear feature, not a blank area.
The Vision