
Use of Potree and Cesium Platforms for Presentation of Point Clouds

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Presentation/Paper Type: Oral / Abstract

Abstract- Point Cloud is widely used in reverse engineering services and in many architectural works. Because the Point Clouds contain elements that reach the extreme numbers; they have increased the need to develop new methods in their management, presentation and processing. We are at a stage where Point Clouds are being serviced over the internet due to developing data processing technologies, internet-band and speed facilities. The emerging technology offers the ability to present and analyze very large volume Point Clouds over the internet. In this article, examples of how to present data obtained using Unmanned Aerial Vehicle (UAV) on Potree and Cesium platforms are presented. The application details are intended to contribute to the promotion of the two platforms, which have the potential to find common usage in the production and presentation of geomatic measurement data.

Keywords- Cesium, Potree, Point Cloud, UAV