

# **Realization and Operations of 3D Data Acquired by Terrestrial Laser Scanner on Web Browsers**

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**Key words:** Laser scanning; 3D on web; Cultural properties; laser scanning

## **SUMMARY**

This paper discusses the offline realization of 3D data acquired from TLS (Terrestrial Laser Scanner) on existing web browsers by grafting widely applied laser scanning and 3D software, which have been utilized in various fields in recent years. As an illustration of this research paper, this paper will introduce user-friendly application and materialization on various web browsers, including the Internet Explorer from Microsoft, with a 3D scan of South Korea's famous historical site, Cheongnyeongpo, using Leica ScanStation C10. The primary objective of this paper is to establish the groundwork for utilizing quality 3D space information on web browsers, whereas the secondary objective of this paper is to introduce the possibility of sharing and experiencing quality 3D space information anytime and anywhere via wireless Internet access with instruments such as smartphones and tablet computers.