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## **SITE VIEW RECONSTRUCTION USING 3D MODELING TECHNIQUES**

This paper describes concepts related to generating 3D scene based on data acquisition and 3D modeling. The purpose of combining these techniques is creation of a scene which reconstruct site view when data are complete, or probabilistic study of site view when data are only partial. 3D digital spatial model for the area of Campus of University of Novi Sad has been created, which uses digital terrain model as a basic layer. Various other raster and vector layers have also been added to facilitate spatial data interpretation, including 3D model layer which presents artificial objects. For the realization of this 3D scene it is necessary to acquire data using different technologies for data acquisition like photogrammetry, remote sensing, GPS survey and laser scanning.

Key words: 3D scene, 3D modeling, site view reconstruction, visualization