

Výskumné aplikácie v geoinformatike

Experimentálna verifikácia možností využitia údajov LIDAR v archeologickom prieskume zalesnených oblastí

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ABSTRAKT:

One of the most progressive method for spatial data acquisition is Airborne Laser Scanning (ALS), widely called LIDAR (an acronym of Light Detection And Ranging). Its biggest advantage is that the laser beam can pass through vegetation so we can create a Digital Terrain Model (DTM) also in forrested areas where e.g. photogrammetry fails due to dense canopy cover. One of the most significant INSPIRE principles says "spatial data should be collected only once and kept where it can be maintained most effectively". That is reason we decided to test whether or not lidar data gathered for forestry can be used in archeology.