# Utilization of ALS data for update of a road network

## Abstract

My thesis concerned problematics of automatic detection of communication data from aerial laser scanning. Goal of this method is to identify area of roads - tarmacs as accurate as possible. On its basis are counted attributes of specific parts. In first part of the thesis are summarized known procedures, which are used to deal with the issue and experiences and evaluation of the output of theirs authors. In practical part of the thesis is described procedure methodology, which is based on findings from the literature review. Subsequently, input data and model areas are introduced. In the final parts are described results and compared with the results of authors, who used such evaluation in their work.

**Key words:** airborne laser scanning, digital topographic database, road network, database update