

Object Detection in DSM

Data with Probabilistic Voting and Morphological Segmentation

Abdullah H. Ozcan, Cem Unsalan, Peter Reinartz

Summary of the method

The proposed method starts with extracting DSM feature points. These are used in a probabilistic framework to generate the object probability map in spatial domain. Modes of this map are used as seed points in segmentation. Here, a novel segmentation method is proposed based on morphological operations. Trees and vegetation are removed by using an NDVI mask from the object detection results. The flowchart of the method is given below.

