

**EduServ7
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Short distance elearning courses

Laserscanning for Tree Extraction

Experience from Nordic countries, Central Europe and Canada has shown that the retrieval of the stem volume and tree height of a tree or a stand from laser scanner data performs as well as, or better than, photogrammetric methods, and better than other remote sensing methods.

This course will introduce the main methods and quality of small-footprint airborne laser scanning for extracting forest inventory data.

The methods are divided into the statistical approaches (i.e. based on canopy height distribution) and individual-tree-based techniques.

Even though the focus is on methods, quality obtained with the methods, especially in boreal forest area, is included. New possibilities are also demonstrated.

This short course will be lectured by prof. Juha Hyypä and course assistants are M.Sc. Xinlian Liang and Harri Kaartinen, all from the Finnish Geodetic Institute.