Using drones for agricultural yield estimation

Assoc. Prof. Henrik Skov Midtiby,

SDU UAS Centre, University of Southern Denmark (SDU)

https://www.sdu.dk/en/uascenter
hemi@mmmi.sdu.dk

Abstract

Images acquired by drones can be used to estimate the yield of different crops. Two cases where it is possible to locate individual sale items are discussed. Colour based segmentation is the central technique used for counting halloween pumpkin. Analysis of digital elevation maps are used to locate and estimate properties of individual Christmas trees.