

Analysis of Archaeological Geographic Information

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In this talk we present the main objectives and the early results of the archaeological project which can be divided into three subtopics. The first topic is about the automatic analysis of archaeological sites using Lidar measurements, namely separating the bricks of wall segments. The aim of the second one is to detect tumulus on digital elevation model (DEM) data generated from aerial Lidar point clouds. The last part of the projects deals with the automatic analysis of soil radar measurements to detect buried archaeological objects and structures.

We propose a deep convolutional neural network approach to handle the mentioned tasks and in addition, in the case of the first two topics we introduce some initial methods using expert priors and handcrafted features.

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