

## The process of automated shape and color digitization of outdoor historic objects. Case study - baroque vases from Museum Palace at Wilanow

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The process of complete shape and color digitization of cultural heritage objects is very complex and intricate. It requires many preparation tasks, especially when the digitization has to be of high quality. When the object to be digitized is placed outdoor, the complexity of those tasks rises significantly as the conditions for measurements are far from laboratorial.

In this lecture we would like to present a case study of automated shape and color digitization of baroque vases, placed in the garden of Museum Palace at Wilanow. The two vases were digitized by robotized structured light scanning system with spatial resolution of 0.02 mm (2500 points per square millimeter), with about 4500 directional measurements each. The measurements took almost 30 days per each vase. We would like to discuss different challenges we had to address during the scanning, along with the remarks on data processing and visualization of such dense data.

