

Horizon Europe Matchmaking event - Culture, Creativity and Inclusive Society

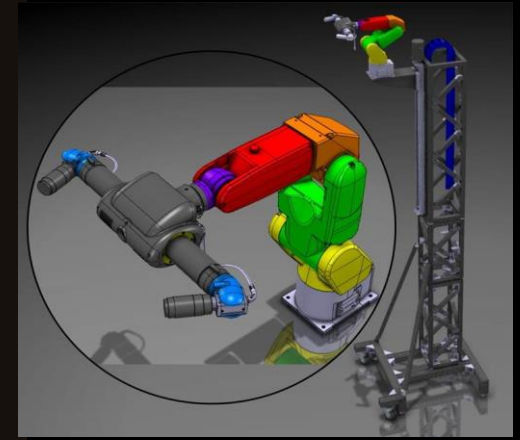
HORIZON-CL2-2021-HERITAGE-01-04: Preserving and enhancing cultural heritage with advanced digital technologies



Wilanów Palace, a Baroque royal residence.
One of the first museums in Poland was opened in the Wilanów Palace in 1805.



Laboratory for 3D Documentation
Documentation and Digitalization Department



3D geometry acquisition –
custom made measurement systems

Since 2005, the Museum of King Jan III's Palace at Wilanów is cooperating with Warsaw University of Technology Faculty of Mechatronics in developing technology for cultural heritage (CH) precise 3D documentation (based on structured light scanning method). We also use many other digital techniques such as photogrammetry, RTI or gigapixel documentation.

Museum of King Jan III's Palace at Wilanów, Poland

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3D printing for education and exhibition



Monitoring of deterioration processes



Documentation of conservation processes

E. Bunsch, R. Sitnik, J. Michoński, Art. Documentation quality in function of 3D scanning resolution and precision, SPIE Computer Vision and Image Analysis of Art., 78690D, San Francisco 2011

E. Bunsch, R. Sitnik, Precise 3D documentation – between the need of a high resolution and the limit of visualization possibilities, IS&T Archiving 2017, Riga

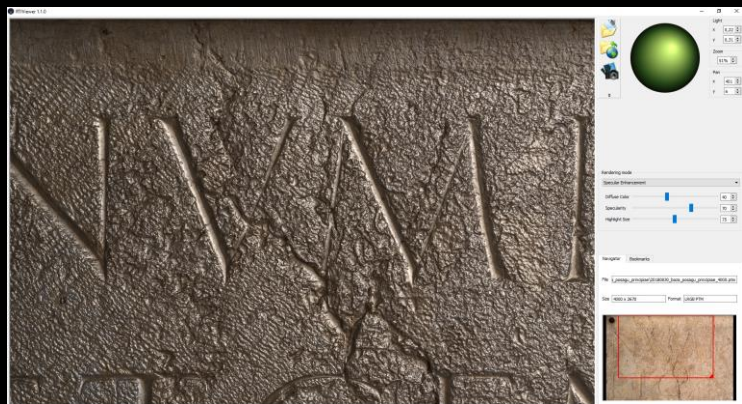
CHANGE Cultural Heritage Analysis for New Generations, Horizon 2020, Marie Skłodowska – Curie Innovative Training Networks, Grant Agreement no 81378.

European Commission's Expert Group on Digital Cultural Heritage and Europeana (DCHE Expert Group)

Basic principles and tips for 3D digitisation of tangible cultural heritage for cultural heritage professionals and institutions and other custodians of cultural heritage, 2020

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Reflectance Transformation Imaging (RTI)



Gigapixel documentation

