



## Session

# How is the Real World Doing? Digital Applications in Cultural Heritage

### **Chairpersons:**

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### **Description and Motivation:**

The future is digital. Digitisation is also in full swing in monument protection and preservation, opening up opportunities to safeguard cultural heritage for future generations and make it accessible. Digitisation offers great opportunities in the areas of archiving, documentation, research, restoration and communication. Using the latest technology, historical buildings, works of art and archaeological sites can not only be documented, but can also be experienced virtually. Digital archiving preserves cultural heritage not only physically but also digitally. Information is secured for the long term and can be accessed worldwide. 3D scans and drone recordings enable precise inventories and detailed analyses. Damage is recognised at an early stage, restoration work is planned efficiently and the quality of the work is fully documented. Digital monuments can be visited virtually, even if they are not accessible to the public. Digitisation keeps history and culture alive and brings monument protection and preservation as well as awareness of cultural heritage into the future. Gamification offers easy access to the wider public, enables new

approaches of citizen science and virtual co-working spaces create new international collaborations.

All of this shows that digitisation creates numerous new possibilities and opens up a wide range of opportunities. At the same time, however, the challenges and demands on the various areas of responsibility are also growing. This session seeks to show ways of overcoming these challenges using examples and case studies from various areas of cultural heritage preservation and heritage research, as well as the limitations that become apparent during these processes. Both established application fields and projects in the stage of development may be presented.

**Target Audience:**

Open to all, e.g. archaeologists, art historians, monument conservators, restorers, researchers, product developers

**Keywords:**

digitisation, data management, monument protection, cultural heritage

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