

# **Ndt-technologies in Cultural Heritage Restoration/Conservation and enhancements to present and future demands in Historical Building Technologies**

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New digital (ndt-) technologies can contribute significantly not only to a better understanding of objects but make a difference especially in Heritage Conservation and Restoration. They can also help to enhance the present and future demands regarding the potential of combining them with Historical Building Technologies. Both fields can benefit from new approaches leading to an innovative use of digital technologies in a sustainable way which makes following measures more suitable for the objects. Therefore, this session is asking for:

- project presentations and case studies using an innovative combination of digital, ndt-technologies and/or minimal invasive analysing techniques, facing the requirements in Restoration/Conservation of Cultural Heritage objects. This includes projects dealing with the climate change impact, natural disasters as well as regular restorations of buildings, sculptures, paintings and archaeological finds. However, the possibilities are not limited to monitoring approaches in museums or build heritage. Presentations can also illustrate the challenges and benefits of combining different technologies in interdisciplinary teams working in the field of Restoration/Conservation in research and in all phases of restoration projects, such as planning, implementation or evaluation
- presentations on reinterpretation / adaptation of historical building technologies digital technologies and present-day needs. We invite presentations which address– but are not limited to: • Steps that weren't possible before – What hidden potentials of historical building technologies can be unlocked through digital technologies? • Alteration and authenticity – Are adapted historical building technologies still suited for employment in cultural heritage projects? • Experimentation and implementation – What are the challenges to the adjustment of historical building technologies in the context of codes, standards and accountability.

***#historical building technologies #enhancement #ndt-Technologies  
#Conservation/Restoration***