

Call for Paper | **Deadline for abstract submission June 12th 2016**

SESSION CHNT 2016

<http://www.chnt.at/3d-reconstruction-as-an-interpretative-melting-pot-of-the-art-historical-data/>

3D reconstruction as an interpretative melting pot of the (art-)historical data

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Beyond the emerging impact of »3D digitalization« (e.g. Structure from Motion) on documentation in archaeology and museum on the one hand, and the consideration of referred scientific requirements on the other hand, the »digital hypothetical 3D reconstruction« faces different challenges and potentials.

In particular the urban history, archaeology, architecture and art history use the digital 3D reconstruction for visualization purposes of lost and/or never realized Built Heritage. This can be seen in many research projects since 1990s. The challenges originate from the broad application and rapid technological development following specific goals and requirements and the still unsolved questions related to the documentation's critical analysis, to knowledge representation and visualization standards, interoperability and long term data access.

The session intends to recognize the »digital hypothetical 3D reconstruction« as a specific scientific field, to foster the knowledge exchange between the requirements of the scientific issues postulated by historians, art historians, archaeologists, architects and the technological and methodological issues faced by engineers, informatics, programmers, in particular focused on the Re-use and Repurposing of the archeological and (art-)historical data.

For this reason participants are invited to submit their abstract about reconstruction experiences: 3D reconstructions of transformed architectures, of destroyed buildings and part of towns, of never realized projects and plans are welcome to this session. This work can start from digital survey, from original old drawings, from pure hypothesis, but it must use »hand-made« 3D reconstruction as a way to investigate and understand the way a place was or its alternative possibilities. The approaches aimed to use 3D models as a way of knowledge will be appreciated, with a step by step advance in the comprehension of the studied subject as a direct consequence of the 3D modeling and concepts for the Re-use and Repurposing of the data according to the topic of the CHNT 2016. This session asks for researches and works where the 3D models are not the final conclusion of a process, where the reading of the state of the art, new evidences, correct analysis and technical/graphical expertise bring the researcher to produce high quality models capable to document and communicate the story and the »adventure« of a specific site to others.