

SHORT CV    Frank Boochs

Thematic Area: 6



- 3D digitisation (photogrammetry, laser scanning)
- Semantic modelling
- Computer based data analysis and interpretation

An optimal digitization is the ultimate prerequisite for the production of virtual content in CH. As the complexity of processing chains in digitization is huge and needs specific expert knowledge it's important to make this knowledge accessible to CH experts.

Semantic modelling is an emerging field allowing to provide domain related knowledge in a structured and standardized way. This can be applied either to structure knowledge related to the CH objects and their history as such, or to model the process of digitization.

Another field of semantic modelling can be found in the computer based analysis of huge spatial and/ or visual data sets containing CH objects or their components. In this sense semantics supports the simplification of analyzing data provided through a process of digitization.

Work in these fields directs the way to transform our tangible CH heritage into digital content in a standardized way and to merge data capture and data analysis with expert knowledge related to CH as such and finally produces an integrated view of many fields of knowledge addressed by our tangible CH.

In order to achieve this goal expert knowledge needs to be extracted, harmonized, structured and merged. It then can be made accessible to the CH community and can be fed into processing chains in order to guarantee their appropriateness, correctness and functioning.



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