DIGITAL MATERIAL PERCEPTION IN ARTS AND CULTURAL HERITAGE

As cultural institutions seek to digitally preserve their collections, 2D and 3D digitization methods are becoming increasingly important tools for object documentation, digital archiving, and online publication.

But what benefits do these digital surrogates provide to heritage professionals? How do they compare to the original in terms of accuracy, detail, and fidelity? To what extent can they accurately reproduce surface properties? Are these digital surrogates sufficient for research in art history, conservation and restoration, and archaeology? Furthermore, how do the varying kinds of data representation affect potential applications?

The workshop is designed to encourage critical discussion and hands-on experience that will evaluate and deepen understanding of the practical usage of digitized cultural heritage in professionals' everyday work. The outcomes of the workshop will contribute to the PhD thesis of Marian Clemens Manz, a graduate of the Bern University of the Arts (HKB), who is pursuing his doctoral studies at the University of Basel in cooperation with HKB. His research focuses on developing a method for 3D data management and preservation within cultural institutions.

Participants from Conservation/Restoration, Art History, Archaeology, and Digital Heritage are invited to engage with a variety of cultural objects, each digitized through different methods, including traditional image data, high-quality 3D models, and decimated 3D data optimized for web use. The participants will evaluate these digital assets, comparing their visual appearance to the original physical objects, and assess their quality, potential, and usability for different contexts.

Manz, M.C., Raemy, J.A. and Fornaro, P.R. (2023) "Recommended 3D Workflow for Digital Heritage Practices", in. Society for Imaging Science and Technology: Society for Imaging Science and Technology. Available at: 10.2352/issn.2168-3204.2023.20.1.5.

Fornaro, P., Manz, M. C. (2023): 3D Model Capturing Photogrammetry Guidelines. Digital Museum of Learning & Virtual Culture.

Chiquet, V., Manz, M. C. (2023). "Creating Digital Assets Which Can Be More Than Just Research Data", DARIAH Conference 2023, Budapest.

WHERE ?

Specialisation Paintings and
Sculptures
Bern Academy of the Arts
Fellerstrasse 11
CH-3027 Bern

WORKSHOP

09:00 AM Registration
09:15 AM Welcome
          (Nina Mekacher, Karolina Soppa)
09:30 AM Introductional Lecture
          (Peter Fornaro, Marian Clemens Manz)
10:30 AM Data Object Examination

12:00 AM Lunch Break at Buffet Nord (individual)

13:00 PM Data Object Examination + Evaluation (Marian Clemens Manz)
15:00 PM Physical Object Examination + Evaluation (Marian Clemens Manz)
17:00 PM Discussion
          (Eléonore Bernard)
17:30 PM Apéro

REGISTRATION

Registration*

Email:
marianclemens.manz@unibas.ch
Subject (mandatory):
Digial_Material_2024_Registration
Registration Deadline:
01.11.2024

*Participation is free

Organisation

Language: English

HKB Bern Academy of the Arts; Digital
Humanities Lab, University of Basel;
Swiss Association for Conservation and
Restoration – SKR/SCR

HKB
Hochschule der Künste Be
Haute école des arts de Be
Bern Academy of the Arts

UNI
BASEL

SKR
SCR