



How can digital technology increase the acceptance of a fragmentary original object? Where are the boundaries between the original and a digital version and what risks are associated with this issue? Professionals from eight countries will offer answers to these questions from the perspectives of conservation-restoration, art history, architecture, archaeology, computer science, and cognitive psychology. The case studies encompass more than 3000 years of cultural history and arise from very different contexts. A workshop and a tutorial will provide opportunities for hands-on experience. Participants will also be able to view and discuss various on-site presentations of original fragments. The conference will offer abundant opportunities for personal encounters and an interdisciplinary exchange of knowledge and ideas.

Contact and Information

HAWK
 University of Applied Sciences and Arts
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 Hornemann Institute
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Venue
 HAWK | Hohnsen 2 (Aula) | 31134 Hildesheim

Registration
 Application deadline: 3rd May 2020
 Registrations are considered in the order of receipt of payment.
 Further information and registration under:
www.hornemann-institut.de/english/fragment_conference.php

Child care
 On request, the HAWK provides child care by student employees with educational experience.
 Please register your child at the Hornemann Institute until 6th April 2020.

Co-Host
 ICOMOS AG Konservierung-Restaurierung
 Verband der Restauratoren e.V.

Conference language
 The conference will be held in German and English. A simultaneous translation will not be possible.



HAWK



International Conference
 13th – 15th May 2020

**THE FRAGMENT
 IN THE DIGITAL
 AGE**

**OPPORTUNITIES AND LIMITATIONS OF
 NEW CONSERVATION-
 RESTORATION TECHNIQUES**

HAWK | Hohnsen 2 | Hildesheim



Invitation to reflect on digital restoration

In many cases, works of art have only been handed down to us in fragmentary form. Dealing with the fragment is therefore one of the main tasks of museums and monument preservation. Based on various theoretical principles, there exists a broad spectrum of restorative possibilities—both real and virtual—between the two poles of complete restoration and simple maintenance of the fragmentary condition. This conference aims to place the focus for the first time on the ethical questions: What do the new digital possibilities mean for the conservation, restoration, and communication of the historical fragment? Without a doubt, the new media encourage communication between professionals and the public and in doing so, offer great opportunities for a broader understanding and a sustainable preservation of our cultural heritage.

Wednesday, 13th May 2020

SUPPORTING PROGRAMME

11:00 – 17:00

3-D Workshop

Christine Fiedler, Hildesheim; Salome Hunziker, Freiburg

14:00 – 17:00

Tutorial on 2D-image analysis of historical photographs as a basis for geometric reconstructions
Gunnar Siedler, Sebastian Vetter, Leipzig

14:30 – 16:00

Guided tours related to the handling of fragments (select one)

- Furniture, wooden objects, and paintings in the restoration workshops of the HAWK
Ina Birkenbeul, Ralf Buchholz, Hildesheim
- The Golden Madonna in the Dommuseum Hildesheim
Direktorin Claudia Höhl
- The Albani-Psalter in the Dombibliothek Hildesheim
Direktorin Monika Suchan

16:30 – 18:00

Guided city tour

18:30 Uhr

Public lecture in conjunction with the Hornemann lecture series (HAWK, Brühl 20, Alte Bibliothek)

- Welcome
Angela Weyer, Hildesheim
- Dealing with fragmentary sculptures in the Bode Museum since 1945
Neville Rowley, Berlin
- Discussion
Moderator: Ursula Schädler-Saub, Hildesheim
- Snacks, Warm-up

Thursday, 14th May 2020

8:30 Conference office opens (HAWK, Hohnsen 2)

9:30 Welcome and opening remarks

Wolfgang Viöl, Vice President of the HAWK for Research, Göttingen
N.N., Ministry for Science and Culture of Lower Saxony, Hannover

Moderator: Angela Weyer, Hildesheim

10:00 Keynote 1: Das Fragment zwischen realer und virtueller Ergänzung – zu den historischen und theoretischen Grundlagen und ihrer Bedeutung für unser heutiges Handeln
Ursula Schädler-Saub, Hildesheim

10:40 Keynote 2: Wie werden Fragmente und Ergänzungen wahrgenommen und interpretiert? Rekonstruktionen als kognitive Werkzeuge
Stefan Schwan, Tübingen

11:20 The Kunstwollen of the Machine-Learning Image
Emily L. Spratt, New York

11:50 Discussion

12:15 Lunch break with thematic discussion groups

Moderator: Jan Raue, Potsdam

13:30 Virtuelle Anastylose als Werkzeug denkmalwissenschaftlicher Studien fragmentierter Großplastiken aus dem Totentempel Amenophis III
Max Rahrig, Hourig Sourouzian, Rainer Drewello, Bamberg

14:00 Virtual Reconstruction as Complementary Method for the Protection of Monuments: the Case Study of the Statue of Shapur I
Alireza Shahmohammadpour, Teheran

14:30 Re-Thinking the Conservation-Restoration Interventions of the 20th Century
Nihan Kocaman Pavlovic, Istanbul

15:00 Discussion

15:15 Coffee break

Moderator: Stefan Schwingeler, Hildesheim

15:45 Verlust und Wiederentdeckung. Historische Fragmente in narrativen Umgebungen
Florina Pop, Innsbruck

Thursday, 14th May 2020

16:15 May Digital Reconstruction Tools Help Preserve the Material and Evocative Value of Fragments? The Case of Victor Horta's Hôtel Aubecq in Brussels
Claudine Houbart, Pierre Hallot, Lüttich

16:45 Architekturfragment im Stadtraum
Markus Jäger, Mirco Becker, Hannover

17:15 Discussion

17:30 Refreshments

18:00 Opening of the poster sessions

Moderator: Ursula Schädler-Saub, Hildesheim

19:30 Special guided tours related to the mediation of fragments in the Roemer- und Pelizaeus Museum
Director Regine Schulz, Christian Bayer

20:30 Opportunity for dinner together at the NIL in the Roemer- und Pelizaeus-Museum with the first meeting of the work group "Digitalisierung in der Restaurierung"

Moderator: Christine Fiedler, Hildesheim

Friday, 15th May 2020

8:30 Conference office opens (HAWK, Hohnsen 2)

Moderator: Constanze Fuhrmann, Osnabrück

9:00 Der zerschnittene „Raffael“ – digitale Lösungen für ein fehlendes Gemäldedrittel
Hans Portsteffen, Köln

9:30 Aus zwei mach wieder drei Könige: 3D-Rekonstruktion eines gefassten Stuckreliefs
Salome L. Hunziker, Freiburg

10:00 Fragmented Ceramic: Evaluation and Experimentation of the 3D Technologies for the Integration of Losses and Missing Parts of a Majolica Artefact
Nicola Pagani, Davide Fodaro, Maria E. Prunas, Rom

10:30 Coffee break

Friday, 15th May 2020

Moderator: Birgit Franz, Hildesheim

11:00 Digitale Überblendung und virtuelle Ergänzung mit Augmented Reality – eine Möglichkeit der Kontextualisierung von Fragmenten in den archäologischen Sammlungsbeständen
Manuel J. Hunziker, München

11:30 Bildgebung des Fragmentarischen. Die Spiegelung der Wandmalerei in analogen und digitalen Medien als Teil des Konservierungs- und Restaurierungsansatzes
Jan Raue, Potsdam

12:00 Photogrammetrische Auswertung historischer Aufnahmen als wissenschaftliche Grundlage für (Teil-)Rekonstruktionen
Gunnar Siedler, Sebastian Vetter, Leipzig

12:30 Methoden der Visualisierung des fragmentarischen Wandmalereibestandes im Oberen Kreuzgang der Domklausur in Brandenburg
Sabine Krause-Riemer, Hildesheim; Katharina Pick, Paderborn

13:00 Discussion

13:15 Lunch break

Moderator: Stefan Schwingeler, Hildesheim

14:00 International Charters and Guidelines for Cultural Heritage in the Digital Age
Hélia Marçal, London

14:30 Resumé of the conference and discussion of the guidelines for digital restoration with Max Rahrig, Jan Raue, Ursula Schädler-Saub, Stefan Schwingeler as well as Wolfgang Wolters, Berlin, and the audience

15:30 Conclusion of the conference