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.

FAMILIE IN DER HOCHSCHULE

HAWK

International Conference
30th Sep – 2nd Oct 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.

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

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

9:00 Guided city tour

9:00 Conference office opens (HAWK, Hohnsen 2)

10:45 Welcome and opening remarks
Wolfgang Viöl, Vice President of the HAWK for Research, Göttingen

Moderator: Angela Weyer, Hildesheim
11:00 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
11:40 Keynote 2: Wie werden Fragmente und Ergänzungen wahrgenommen und interpretiert? Rekonstruktionen als kognitive Werkzeuge
Stefan Schwan, Tübingen
12:20 The Kunstwollen of the Machine-Learning Image
Emily L. Spratt, New York
12:50 Discussion
13:15 Lunch break with opening of the poster sessions

Moderator: Jan Raue, Potsdam
14:30 Virtuelle Anastylose als Werkzeug denkmalwissenschaftlicher Studien fragmentierter Großplastiken aus dem Totentempel Amenophis III
Max Rahrig, Hourig Sourouzian, Rainer Drewello, Bamberg
15:00 Virtual Reconstruction as Complementary Method for the Protection of Monuments: the Case Study of the Statue of Shapur I
Alireza Shahmohammadpour, Teheran
15:30 Re-Thinking the Conservation-Restoration Interventions of the 20th Century
Nihan Kocaman Pavlovic, Istanbul
16:00 Discussion
16:15 Coffee break

Moderator: Stefan Schwingeler, Hildesheim
16:45 Verlust und Wiederentdeckung. Historische Fragmente in narrativen Umgebungen
Florina Pop, Innsbruck

17:15 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
17:45 Architekturfragment im Stadtraum
Markus Jager, Mirco Becker, Hannover
18:15 Discussion

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, 2nd October 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, Katharina Hünerfauth, 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

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 Between lacunae and fragment: revisiting discourses around fragment and loss in international charters
Hélia Marçal, Brian Castriota, 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