



Hornemann Institute News 1/2019

Dear newsletter recipients,

Welcome to the newsletter of the Hornemann Institute, which informs you about the highlights of our activities. This newsletter is received by 586 subscribers in more than 40 countries.

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Coming events



Call for Papers

THE FRAGMENT IN THE DIGITAL AGE: Opportunities and risks of new conservation-restoration techniques

International Symposium by the HAWK

(Faculty of Architecture, Engineering and Conservation and the Hornemann Institute)

In cooperation with

the German National Scientific Committee for Conservation-Restoration of ICOMOS

and the Verband der Restauratoren e. V. (*Association of Restorers e. V.*)

May 13th until 15th 2020, HAWK in Hildesheim, Germany

Application deadline: August 31st 2019

(service@hornemann-institut.de)

Works of art are mostly handed down in fragments. The handling of the fragment is therefore one of the central tasks of conservators-restorators.

The focus of the conference lies on what the new digital possibilities mean for the preservation and mediation of the historical fragment. Experts from various disciplines currently observed a gap between the increasing importance and professionalization of the visual reconstruction of the

historical and the theoretical foundation. After an introduction to the history of the fragment and its restoration/presentation, lectures will follow on the theoretical foundations of the conservation/restoration of fragments, also taking into account international documents and charters (e.g. the charters of London and Seville). Based on current projects, the effects of digitalization on the fragmentarily preserved work of art and its mediation will then be discussed in concrete terms. The aim is to produce a practice-oriented paper on how to deal with the fragment in the restoration sciences.

We therefore ask for one-page abstracts, at most, for lectures and posters from the different fields of conservation-restoration in the exhibitions and the historical monument preservation:



- Basic contributions on the opportunities and risks of the new techniques in conservation-restoration, with a critical evaluation of the latest developments and with suggestions on current guidelines for theory and practice.
- Current case studies on interdisciplinary cooperation between conservation-restoration experts and specialists in new media, also with regard to the mediation and presentation of fragments.
- Research projects that seek to demonstrate the scientific validity of digital models, i.e. the degree to which a digital reconstruction of a fragment is based on scientifically reliable sources.

For further information see [here](#).



Three-day practical workshop on Byzantine mural painting

(in Englisch)

Date: August 1st to 3rd 2019

Place: HAWK in Hildesheim

After an introduction to the Byzantine painting in Romania (northern Moldavia and Transylvania) and its conservation / restoration, such a painting is created: This includes the preparation of the walls / plates and the Intonaco, making the drawings in scale 1: 1, the preparation of the pigments, transferring the drawing to the fresh plaster and, of course, painting itself.

Lecturers: Conservator Dr. Adrian Rauca (supported by Dipl.-Rest. Anneli Ellesat-Brümmer M.A., head of the workshop conservation / restoration of mural paintings / architectural surfaces at the HAWK)

If you are interested, please contact us.



Conference Papers of the Sgraffito Conference

The conference papers of the international Sgraffito conference held from 2 to 4 November 2017 at the HAWK in Hildesheim has been published recently as postprints. The conference focused on the material, technical and thematic change of these special plaster decorations from the Middle Ages to the late 20th century. Further information can be found [here](#).

You will be able to order the book from the [Michael Imhof Verlag](#).



Publication preview:

Autumn 2019:

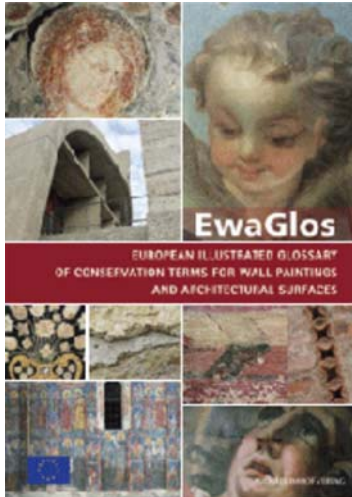
Conference Papers of the Interdisciplinary Conference. Church Climate - Preventive conservation of the interior furnishings, 16–18 January 2019, HAWK in Hildesheim

The conference focused on the climate in churches, with a particular focus on the potential for damage to interior furnishings such as altarpieces, sculptures, paintings and organs.

Through the keynote papers the readers will be able to find out more about the current state of knowledge from various fields of expertise and, in addition, gain a broader awareness of the problem of building physics, construction, and restoration-related monument preservation challenges. "Best practice" case studies and ongoing research projects will show the variety of technical and preventive conservation options which consider the different conditions of each site. All papers will be in German.

A first review has been published in German by Angela Weyer: [Zur Behebung der Klimaprobleme in Kirchen. Die Ausstattung im Fokus](#).

doi:10.5165/hawk-hhg/403



EwaGlos - Russian and Persian translations are online

The European Illustrated Glossary of Conservation Terms for Wall Paintings and Architectural Surfaces (the so-called EwaGlos) is now available in 15 languages.

The [Russian translation of the English Terms](#) of 2nd revised digital edition was developed under the direction of **Professor Dr. Yulia Griber**, Smolensk State University, Russia. With a grant of the German Academic Exchange Service Yulia Griber will come to the Hornemann Institut for a research project called **“Russian Conservation History as a Part of the Cultural History of Europe: Terms for Wall Paintings and Architectural Surfaces in Cross-Cultural Understanding”**.

The [Persian translation of the English Terms](#) of 2nd revised digital edition (June 2017) was prepared by **Asst. Prof. Dr. Mehdi Razani** and **Fatemeh Sehati** (M.Sc. in Archaeometry), Tabriz Islamic Art University, Faculty of Applied Arts, Department of Conservation and Restoration of Cultural Property, Iran.

For anyone who is interested in translating EwaGlos (as voluntary work) and publishing it on our website, we have prepared a simple template for this purpose. Translators will be able to provide their own foreword and a list of the contributors.

Saltwiki

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Full text publications of research papers

University Papers

Doctoral Thesis

Karolina Soppa:

[Die Klebung von Malschicht und textilem Bildträger. Untersuchung des Eindringverhaltens von Gelatinen sowie Störleim und Methylcellulose bei der Klebung von loser Malschicht auf isolierter und unisolierter Leinwand mittels vorhergehender Fluoreszenzmarkierung – Terminologie, Grundlagenanalyse und Optimierungsansätze](#) (Re-adhesion of flaking paint and textile support)

Besides the properties of adhesives, the precise placement of the respective adhesive is enormously important for a successive re-adhesion of loose paint flakes on canvas. This thesis discusses systematic trials of proteinaceous glues

(gelatines and sturgeon glue) and methyl cellulose on different absorbent and non-absorbent model systems. The aim is to evaluate the performance of the glues as conservation tools to be used on real artworks.

doi: 10.5165/hawk-hhg/414

Master Theses

Christoph Oschatz:

[The use of English and German pattern books at the Garden Kingdom of Dessau-Wörlitz at the turn of the 19th century](#), Birmingham City University 2018

This thesis investigates the use of pattern books of British and German origin in the design of three late 18th century case studies at the landscape gardens of Wörlitz and Luisium within the Garden Kingdom of Dessau Wörlitz in Germany. This UNESCO World Heritage Site was highly influential to the development of landscape gardens, neoclassical and ne-gothic architecture, education and agriculture in Germany and continental Europe.

doi: 10.5165/hawk-hhg/416

Laura Peters:

[Erfassung und Untersuchung eines mongolischen Seidengewandes aus einem Felsspaltengrab des 10.-12. Jahrhunderts \(Detection and Investigation of a mongolian Silk-Garment from a Cravice-grave of the 11th Century\)](#), TH Köln 2013

This thesis analyzes the gown using research methods commonly used in textile conservation. These include the reconstruction of the cut, determination of the weave, and an analysis of the fiber materials. Based on the results of the analysis and a comparison with similar objects the caftan could be placed in a cultural and historical context. Aside of describing the state of the gown, a concept for its long-term conservation was developed.

doi: 10.5165/hawk-hhg/391

Bachelor Thesis

Lea Hahmann: [Minuten-Rädersonnenuhr aus dem Mathematisch-Physikalischen Salon: Untersuchungen zu schwarzen Verfärbungen auf Vergoldungen - deren Entstehung und Behandlung](#) (Minute-sundial from the Mathematisch-Physikalischer Salon: Investigations of black discolorations on gildings -their development and treatment), FH Potsdam 2016

The Mathematisch-Physikalische Salon of the Staatliche Kunstsammlungen Dresden owns a minute-sundial with the Inventory number D I 7. Over time black discolorations emerged on the gilded brass surface of the dials. In this bachelor thesis these discolorations were material-specific

identified and investigated with the Ion Beam Analysis. Special attention was placed on the analysis of the development, to prevent a reoccurrence of the discoloration on other objects. It is considered to remove these black discolorations as a part of a future restoration. Therefore various techniques to uncover the surface have been tested and documented on samples, to develop an appropriate concept for restoration. doi: 10.5165/hawk-hhg/389

Project Report

Wolfgang Viöl; Kirsti Krügener: [Entwicklung und modellhafte Anwendung nachhaltiger Konservierungsstrategien für anthropogen geschädigte, historische Außenfassaden sowie deren Überprüfung mittels THz Strahlung am Beispiel der Konstantinbasilika in Trier](#) - BLikS

The research project investigated the efficiency of various mineral mortars, with and without reinforcement material, as protective coatings (sacrificial plasters) for weathered architectural surfaces and wall paintings.

Recordings of lectures from the Hornemann Kolleg

A video recording of the Hornemann Kolleg 13 is available free of charge.

10 October 2018: Jutta Göpfrich, Deutsches Ledermuseum Offenbach: [Frisch restauriert... und dann? Konservierung von Leder und artverwandten Materialien im Spannungsfeld der Objektpräsentation](#)

On our website we have recently published many abstracts of academic theses from other universities in the field of conservation, especially German speaking: Academy of Fine Arts Vienna, University of fine Arts Vienna, University of Applied Sciences Erfurt, University of Applied Sciences Potsdam, Dresden Academy of Fine Arts, University of Applied Sciences Cologne.

Continuing training



Online Courses

from 16 September to 17 November 2019

These online courses facilitate individual study with regard to time management, learning speed and the depth of knowledge you wish to achieve. You can check your personal progress with the help of tests. Tutors will assist you whenever you encounter technical or content-related difficulties. Participants will receive a Hornemann Institute certificate upon successful completion of the program and after passing a final on-line examination.

- [Microbial Infestation of Objects of Art and Cultural Heritage](#) by Barbara Hentschel M.A. and Prof. Dr. Karin Petersen

- [The Examination of Transparent Coatings on Furniture and Wooden Objects](#) by Prof. Dr. Gerdi Maierbacher-Legl, Dr. Julia Schultz M.A. and Merle Strätling M.A.

- [Restoration Theories and Methods from 1945 to the Present Day](#) by Prof. Dr. Ursula Schädler-Saub

- [Conservation of Globes](#) by Mag. Dr. hab. Patricia Engel and Michael Højlund Rasmussen

Only in German:

- [Erhaltung von Wachsmoulagen](#) (Conservation of Wax Moulages) by Dipl.-Rest. Johanna Lang and others

- [Grundlagen der Holzkunde, Eigenschaften – Verwendung – Schäden – Untersuchungsmethoden erläutert am Beispiel von Eichenholz](#) (Basic wood science

Growth - use - damage - examination methods explained by the example of oak)

by Dipl.-Rest. Christina Duhme M.A., Dipl.-Rest. Mirja Harms M.A., Prof. Dr. Gerdi Maierbacher-Legl

- [Saccharidische Bindemittel und Kleber](#) (Saccharide Binding Media and Adhesives) by Prof. Jirina Lehmann

- [Schädigung von Kulturgut durch Salze](#) (Damage to Cultural Heritage from Salt) by Dr. Hans-Jürgen Schwarz

New:

[Sicherer Umgang mit kontaminiertem Kulturgut](#) (Safe handling of contaminated cultural assets) by Roksana Jachim M.A. The course is designed to teach different professional groups how to handle potentially contaminated cultural assets. They should learn to correctly assess hazards and identify possible measures. The course material is developed on the basis of the ingredients and names of materials that were often used in Germany.

With new content and completely revised:

[Fotografie als Werkzeug der Dokumentation und Untersuchung](#) (Photography as a tool for documentation and investigation) by Christine Fiedler M.A., Dipl.-Rest. Barbara Hentschel M.A. and Dipl.-Des. Clemens Kappen

The previous course on documentary photography was reworked by Christine Fiedler into a course titled

"Photography as a tool of documentation and investigation". Among other things, it has been supplemented by a module on the handling and archiving of digital image data. There are also tips for electronic image processing and the output of the files as print.

NEW - A new series by Prof. Dr. Ursula Schädler-Saub – but currently only available in German:

[How should we act? Theory and ethics of restoration and its significance in practice.](#)

Part 1: Historical roots in the Renaissance and Baroque periods (with a contribution by Sophie Haake-Harig)

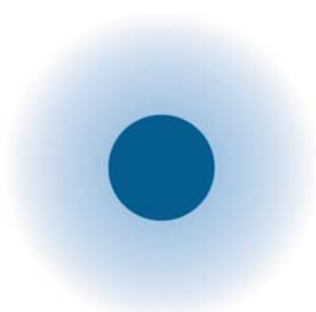
Part 2: Fundamentals of restoration and preservation of historical monuments from K. F. Schinkel to C. Brandi

As of 2020: Part 3: Current developments, from the European Year of Monuments and Sites 1975 to today

In 2018, due to the change of HAWK's content management, we started to integrate the courses into the very popular learning platform "moodle" in order to adapt them to the requirements of tablet and smartphone use. The last two courses have already been implemented, the others will be by autumn.

For further Information see [here](#).

20 years Hornemann Institute



20 years Hornemann Institute

The Hornemann Institute has been founded in 1998. It celebrated its 20th anniversary on 16 January 2019 in St. Michaelis in Hildesheim with a scientific lecture on the preventive conservation of St. Michael's famous painted ceiling from the 13th century. On occasion of the anniversary, a brochure has been published that - in addition to the German and English image brochure - also provides a first insight into the background of the institute's work.

The brochure is available for download [here](#). (pdf, 3 MB)

News from the Hildesheim restoration programs



European Day of Conservation-Restoration of Cultural Heritage

The HAWK Restoration department will participate in the first European Day of Conservation-Restoration of Cultural Heritage on 13 October 2019. More details can be found later here: <https://europa.eu/cultural-heritage/european-day->

[conservation-restoration-cultural-heritage_en](#) Among other things, the restoration workshops will be open.

Best regards

The team of the Hornemann Institute

Christine Fiedler M.A., Dipl.-Rest. Barbara Hentschel M.A., Nina Niemeyer-Thömel, Dipl.-Ing. Gunnar Werner, Dr. Angela Weyer M.A.



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