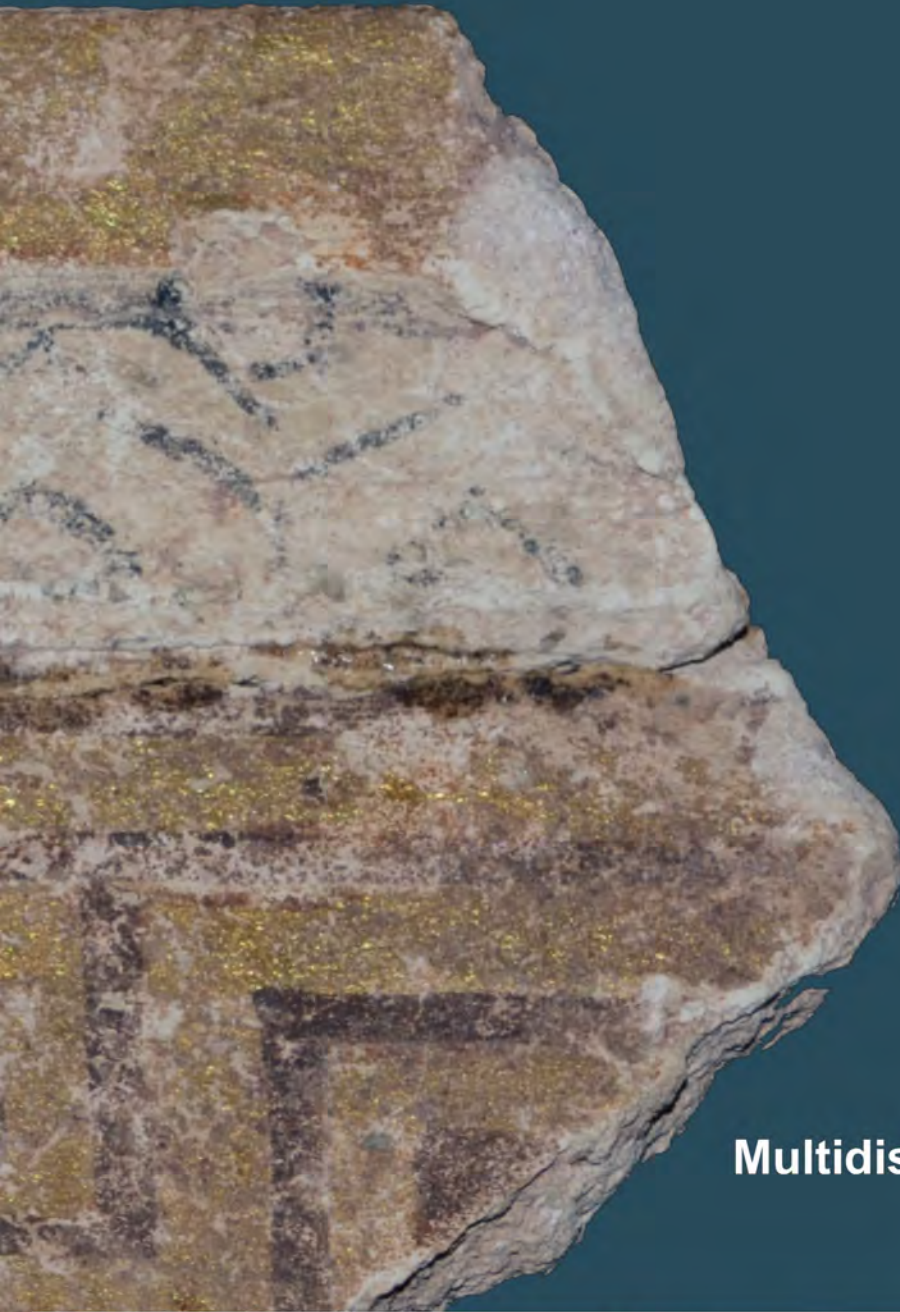




PPCP

Petra Painting Conservation Project



Archaeology • Conservation • Analytical Sciences

Multidisciplinary Approaches in Cultural Heritage

DFG Deutsche
Forschungsgemeinschaft



**Technology
Arts Sciences
TH Köln**



سلطة اقليم البترا التنموي السياحي
Petra Development & Tourism Region Authority



Contact PPCP Consortium

Archaeology

Humboldt University Berlin

Prof. Dr. Stephan G. Schmid
stephan.g.schmid@hu-berlin.de
Polytimi Agoridou M.A.
agoridou@hu-berlin.de



Conservation

Cologne Institute
of Conservation Sciences

Prof. Adrian Heritage
Dipl. Cons M.A. ACR FIIC
adrian.heritage@th-koeln.de
Rebecca Tehrani M.A.
rebecca.tehrani@th-koeln.de

**Technology
Arts Sciences
TH Köln**

Analytical Sciences

Technical University Berlin

Prof. Dr. Birgit Kanngießner
Birgit.Kanngiesser@tu-berlin.de
Maram Na'es M.Sc. M.A.
maram@physik.tu-berlin.de



About PPCP

Characterisation and Conservation of Paintings on Walls and Sculpture from Nabataean Petra

After the re-discovery of today's UNESCO World Heritage Site Petra in Jordan in 1812, on site archaeological research plays a very important role. The large number of discoveries is accompanied by the urgent need for conservation measures. In this project methods are exemplarily developed for the detection, characterisation, and conservation of ancient painting on wall plaster and sculpture in the frame of intense cooperation between archaeological, analytical and conservation research.

The research is carried out both on site in Jordan and in laboratories in Germany. This multidisciplinary project (285789434), funded by the German Research Foundation (DFG) is carried out by specialists based at the *Technical University Berlin* and the *Humboldt University Berlin* as well as the *Cologne Institute of Conservation Sciences at the University of Applied Science Cologne*. The Project commenced in May 2016 and runs until December 2019.

PPCP and Workshop funded by

Gefördert durch

DFG Deutsche
Forschungsgemeinschaft

Cover Photo: Gilded Nabataean wall painting Fragment (1century AD), which was excavated at ez-Zantur IV Petra Archaeological Park
© Tehrani 2018

Workshop

Multidisciplinary Approaches in Cultural Heritage Archaeology • Conservation • Analytical Sciences



17th-21st March 2019
Petra/ Wadi Mousa

PPCP
Petra Painting Conservation Project

Multidisciplinary Approaches in Cultural Heritage: Archaeology • Conservation • Analytical Sciences

What Participants will gain both theoretical as well as practical insights into multidisciplinary approaches in cultural heritage. Experts on their respective fields will convey knowledge in Archaeology, Conservation and Analytical Sciences. Participants will receive the opportunity to experience Nabatean wall painting in situ, improve their aptitude through practicing manual, photographic and microscopic documentation. Furthermore, they will gain experience in analytical investigation methods on wall painting and sculpture. The overall approach of the workshop is based on ethical and preventive conservation considerations of cultural heritage. English will be the formal teaching language; however, Arabic will be provided whenever deemed necessary.

When 17th-21st March 2019
9:00am-4:00pm every day

Where Petra/Wadi Mousa, Jordan

Who 20 professionals who would like to broaden their knowledge in the field of archaeology, wall painting conservation and analytical sciences.

Organised by



Gefördert durch
Deutsche
Forschungsgemeinschaft



Petra
Petra Development & Tourism Region Authority



السلطة العامة للآثار والمتاحف
Department of Antiquities

Schedule*

- 17/03** Opening session of the workshop
Lectures on:
I: Documentation, conservation and interdisciplinarity/ Painting in Archaeology
II: What are wall paintings and why are they important?/ The principle of in situ conservation/ A methodological approach to wall paintings conservation/ Environmental assessment/ Documentation of wall paintings/Imaging techniques
III: X-Ray Fluorescence for Cultural Heritage
- 18/03** Petra site visit starting from the Siq and stopping at ez-Zantur and Wadi as-Siyyagh
- 19-21/03** Imaging seminar, documentation seminar, analytical investigations seminar
- 21/03/19** Closing session of the workshop including discussion and feedback

*drinks and meals will be provided for daily coffee/tea and lunch break

Please notice

Applicants are kindly requested to bring their own camera equipment and laptop. This will allow for a more individual, practical and valid application of the relevant equipment.

The organisers will cover:

- accommodation including breakfast (maximum 10 participants from cities other than Maan)
- transportation to Petra on 16/03/19 and from Petra on 21/03/19 at 5:00pm
- no per diem

For information regarding hotel reservation and transportation, please contact Mrs. Maram Na'es maram@physik.tu-berlin.de



Archaeological excavation at Umm al Biyara 2013, PAP
© Schmid 2013



Optical investigation at Wadi as-Siyyagh 2018, PAP
© Tehrani 2018



Photographic documentation at ez-Zantur 2018, PAP
© Tehrani 2018



UV Fluorescence imaging at ez-Zantur 2018, PAP
© Tehrani 2018



Climate monitoring at al Baida 2018, PAP
© Tehrani 2018



Microsampling at ez-Zantur 2018, PAP
© Tehrani 2018



Field tests for salt analyses 2018, PAP
© Tweisli 2018



Non-invasive XANES analysis of ez-Zantur gilded wall painting fragment at Bessy II, Berlin
© Na'es 2014



Non-invasive Raman analysis of ez-Zantur gilded wall painting fragment at TU Berlin
© Na'es 2013



Non-invasive in-situ analysis of Umm al-Biyara polychrome fragment using a handheld FTIR and a USB microscope, PAP
© Na'es 2017