

Focus on Cultural Heritage: "Exploring Cultural Heritage with X-rays"

Monday 27 April 2026 - Tuesday 28 April 2026

CSMC / DESY HH

Scientific Programme

13 Nov 2024 Lecture & Dinner CSMC 17:45-21:00

18:00

Welcome by Agnieszka Helman-Wazny, CSMC

Written Artefacts and Material Analyses by Konrad Hirschler

Ceramic Artefacts from Ban Chiang, Thailand by Ulrich Bismayer

Dinner at CSMC (Pavillon)

14 Nov DESY Campus Flash Seminar room building 28c

9:00 - 10:30

Welcome & general introduction by Miriam Hufnagl, DESY

Current and future research possibilities for cultural heritage by Christian Schroer DESY

The progress of synchrotron research for application to heritage paper objects (Case study: Tsakali cards and cross-disciplinary collaboration) by Agnieszka Helman-Wazny, CSMC

Authentication and risk assessment of X-ray investigations in terms of materials Sylvio Haas, DESY

Fishbowl discussion

10:45 - 11:00 Coffee break

11:00 – 12:30

Improving access to synchrotrons for heritage materials: a look back at several initiatives at the French SOLEIL source Loic Bertrand, ENS Paris-Saclay

Reflections on an ethical approach to X-ray analyses of cuneiform clay tablets Cecile Michel, CNRS

Fishbowl discussion

12:30 - 13:30 Lunch and Networking

13:30 – 16:00

Conservation, between Principles, Dilemmas, and Uncomfortable Reality Fenna Yola Tykwer, Staatsarchiv

Possibilities and limitations of non-destructive testing (Presentation of the Mobile Lab, CSMC)

Sebastian Bosch, Grzegorz Nehring, CSMC

Fishbowl discussion

Break 10 min

Challenges and Solutions for Unfolding Ancient Documents: Using a Silver Package as an Example Christiane Matz (Varusschlacht Museum) and Nicolas Klenert (ZIB)

Experiences in using a mobile X-ray tomography setup at the museum Samaneh Etheram CSMC, and Andreas Schropp, DESY

Fishbowl discussion

16:00 Coffee + Poster session including the presentation of ongoing projects including the synchrotron research

Wrap Up: Next Steps, networking, Ideas to follow-ups:
Bild up Working Groups which meet afterwards

17:00 Guided tour of PETRA III