

# Science in Cultural Heritage

## Interdisciplinary thinking

Begin 16.10.2025, 15:00

Every Thursday 15:00 - 16:45

Responsible: [clarimma.sessa@tum.de](mailto:clarimma.sessa@tum.de)

<https://tum-conf.zoom-x.de/j/66350592421?pwd=mJbfJose75p9plOcWe1jgA8fkB6dra.1>

**Meeting ID: 663 5059 2421**

**Passcode: 956357**

Seminar organized by the Chair of Conservation-Restoration, Art Technology and Conservation Science in collaboration with the Chair of Non-destructive Testing, TUM

### PROGRAM

- 16<sup>th</sup> Oct. Introduction to the seminar. **Dr. Clarimma Sessa** - Heritage Scientists, Head of the insiTUMlab. Chair of Conservation-Restoration, Art Technology and Science, TUM. Topic: Methods in Heritage Science: From Material Evidence to Cultural Understanding.
- 23<sup>rd</sup> Oct. **Dr. Clarimma Sessa**. Heritage Scientists, Head of the insiTUMlab. Chair of Conservation-Restoration, Art Technology and Science, TUM. Topic: Pigments as Storytellers: Non-Destructive Approaches to the Study of Historical Colorants.
- 30<sup>th</sup> Oct. **Dr. Eva Angelin**. Heritage Scientists at the Chair of Conservation-Restoration, Art Technology and Science, TUM. Topic: A rare medieval palette: identification and provenance of natural crocoite (PbCrO<sub>4</sub>) in the wall paintings of Brandenburg Cathedral Cloister (Germany).
- 20<sup>th</sup> Nov. **Dr. Clarimma Sessa**. Heritage Scientists, Head of the insiTUMlab. Chair of Conservation-Restoration, Art Technology and Science, TUM. Topic: Multi-modal non-destructive investigation of the wall paintings of the Magdalen Chapel of St. Emmeram, Regensburg. A methodology to address the material complexity of a palimpsest.
- 27<sup>th</sup> Nov. **Dr. Clarimma Sessa**. Heritage Scientists, Head of the insiTUMlab. Chair of Conservation-Restoration, Art Technology and Science, TUM. Topic: Color and Material as Message: Otl Aicher's Design Code for Olympia '72.
- 11<sup>th</sup> Dec. **Dr. Alessandro Re** - Researcher, Physics Department, University of Torino and Istituto Nazionale di Fisica Nucleare  
Topic: How can Physics help in the field of Archaeometry? The case study of lapis lazuli provenance by means of ion beam analysis
- 18<sup>th</sup> Dec. **Prof. Dr. Dario Camuffo**, National Research Council of Italy, Institute of Atmospheric Sciences and Climate Padua, Italy.  
Topic: Church heating: is it possible to combine thermal comfort and conservation of artworks? Problems, methodologies and the European standardization.
- 08<sup>th</sup> Jan. **Dr. Clarimma Sessa**. Heritage Scientists, Head of the insiTUMlab. Chair of Conservation-Restoration, Art Technology and Science, TUM. Material Characterization of Stone Surfaces in the Inner Chambers of the Khufu Pyramid: Towards Informed Conservation Strategies
- 15<sup>th</sup> Jan. **PD. Dr. Heike Stege**, Head of Scientific Department, Doerner Institut-BSGS. Topic: Macro-XRF applications for the study of the Bavarian State Painting Collections.
- 22<sup>th</sup> Jan. **Simon Mindermann**, PhD Candidate - insiTUMlab, Chair of Conservation-Restoration, Art Technology and Conservation Science. Topic: Hyperspectral Imaging for the Investigation of Cultural Heritage.
- 29<sup>th</sup> Jan. **Prof. Dr. Mohamed Elkarmoty**, Associate Professor and Director of Rock Engineering Laboratory at Cairo University, Egypt. UNESCO Co-Chairholder on Science and Technology for Cultural Heritage. Topic: Investigation of different case studies in Egypt.
- 5<sup>th</sup> Feb. Seminar's Sum Up. Open discussion with the students and tour of the insiTUMlab. **Dr. Clarimma Sessa** - Heritage Scientists, Head of the insiTUMlab. Chair of Conservation-Restoration, Art Technology and Science, TUM.