

Science in Cultural Heritage

Interdisciplinary thinking

Begin 24.04.2025, 15:00 - 16:45

Every Thursday 15:00 - 16:45

Contact: clarimma.sessa@tum.de

[https://tum-conf.zoom-](https://tum-conf.zoom-x.de/j/65201969040?pwd=DSUTBy0MMZ320PULbso07kaxAqbGXv.1)

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Meeting ID: 652 0196 9040

Passcode: 747645

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

PROGRAM

- 24th April Introduction to the seminar. **Dr. Clarimma Sessa** - Heritage Scientists at the Chair of Conservation- Restoration, Art Technology and Science, TUM.
- 08th May **Dr. Clarimma Sessa**. Heritage Scientists at the Chair of Conservation- Restoration, Art Technology and Science, TUM.
Topic: Using X-Rays to discover the past - Macro x-ray fluorescence application in Heritage science studies.
- 15th May **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
- 22nd May **Dr. Luís Manuel de Almeida Nieto**, Researcher, Delft University of Technology. Topic: Comparison of macro x-ray fluorescence and reflectance imaging spectroscopy for the semi-quantitative analysis of pigments in easel paintings: A study on lead white and blue verditer.
- 29th May **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.
- 05th June **Prof. Dr. Daniela Comelli**, Head of the ARTIS Lab group, Politecnico di Milano. Topic: Photonics technologies for Heritage Science.
- 12th June, **Alessia Di Benedetto**, PhD student at ARTIS Lab group, Politecnico di Milano. Topic: Multivariate analysis on fused hyperspectral datasets within Cultural Heritage field.
- 26th June **Dr. Loïc BERTRAND**, HdR Senior researcher ENS Paris-Saclay. Topic: coming soon.
- 10th July **Dr. Clarimma Sessa**. Heritage Scientists at the Chair of Conservation- Restoration, Art Technology and Science, TUM.
Topic: Current projects of the insiTUMlab, analytical infrastructure for non-destructive in-situ studies of Cultural Heritage.
- 17th July **Prof. Dr. Abdelrazek Elnaggar**, Heritage Science Laboratory (HSLL), University of Ljubljana, Slovenia. Topic: Ancient Egyptian Mummified Bodies: Cross-Disciplinary Analysis of Their Smell
- 24th July Seminar's Sum Up. Open discussion with the students and tour of the insiTUMlab. **Dr. Clarimma Sessa** - Heritage scientist at the Chair of Conservation-Restoration, Art Technology and Conservation Science.